

**GEOLOGICAL AND GEOCHEMICAL
ASSESSMENT REPORT**

for the

**CARLIN GOLD CORPORATION - CONSTANTINE METAL
RESOURCES LTD. JOINT-VENTURE (CCJV) PROJECT**

on the

HG PROPERTY GROUP HM02910

HG 1-152 YE13101-YE13252 owned by Carlin Gold Corporation
HG 153-208 YD78369-YD78424 owned by Carlin Gold Corporation

where work was performed from

July through September, 2011

in the

Mayo Mining District, Yukon
NTS Sheet 106/02

centered at

UTM NAD 83 Zone 8, 603000E 7107000N

May 15th, 2012

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SUMMARY

In February and March 2011, Carlin Gold Corporation and Constantine Metal Resources Ltd staked the HG 1-208 quartz claims as part of a joint venture (CCJV). For assessment purposes the HG claims (Property) are Group HM02910.

The Property was staked after reviewing regional silt sample (RGS) data, researching the available geological data (mostly from the Yukon Geological Survey – YGS), and researching the YGS MINFILE database. Staking followed the public announcement by ATAC Resources Ltd. of the discovery of Carlin-style mineralization at the Osiris and nearby Conrad zones in an area that is now being referred to as the Nadaleen trend, defined by ATAC as a zone occupying the ground between two east-west trending regional faults, the Kathleen Lakes fault (north) and the Dawson thrust fault (south). The Nadaleen trend projects to within two kilometers north of the HG property, and may actually include the northern portion of the claims based on projections from recent published mapping. The location of the Dawson thrust fault is uncertain. Recent geologic mapping by the YGS indicates that the Dawson thrust possibly projects through the northern part of the HG property. Future YGS mapping should help clarify this uncertainty.

The main target on the HG property is Carlin-style mineralization similar to the recent discoveries in the Nadaleen trend. The Property is underlain primarily by Neoproterozoic/Lower Cambrian age sedimentary rocks of various lithologies including shale, and calcareous siltstones, sandstones and gritstones, and limestones. The Property is located approximately 30 kilometers northeast of the central west-northwest trending core of the Cretaceous Tombstone suite granitic belt that is associated with several of the major gold deposits of the Tintina Gold Belt (Brewery Creek, Dublin Gulch).

Reconnaissance geochemical sampling was completed using predominantly contour soil and silt traversing, followed up by grid soil sampling in two areas. The sampling program included collection of 1593 soils, 29 silts, and 50 rock chip samples. Field sample preparation of soil and silt samples was done to produce -80 mesh sample material for analysis. Field XRF analysis, primarily for the purpose of arsenic determination, was completed on all soil and silt samples prior to analysis at Acme Analytical Laboratories Ltd. (AcmeLabs) for 36 element ICP-MS analysis, including gold. Based on field XRF arsenic determinations on soils and silts, together with partial limited assay results, the initial contour-based soil traverse work was followed up in two areas with gridded soil sampling.

The 2011 sampling program encountered rather subdued gold geochemistry, however several promising strong patterns in Carlin-type pathfinder elements arsenic, mercury and antimony have been identified. These include a 2.4 kilometer long 300-500 meter wide west-northwest trending combined gold-arsenic soil anomaly delineated on the South Grid that appears to be in part spatially related to a west-northwest trending fold axes, although additional geologic mapping is required to confirm this. In addition, the soil geochemistry in the South Grid, especially antimony and mercury, suggests at least one prominent north-northeast pattern within the overall west-northwest gold-arsenic anomaly. The most notable feature identified on the North Grid is a one kilometer long, 500-700 meter wide west-northwest trending coincident gold-arsenic-antimony-mercury soil anomaly, within which limited rock sampling encountered strongly anomalous mercury up to 34 ppm.

Additional evaluation, including prospecting and rock sampling, is required within the west-northwest gold-arsenic soil anomaly within the South Grid area, and also within the gold-arsenic-antimony-mercury anomaly encountered in the North Grid area. An additional soil sample and prospecting traverse should also be completed above an anomalous gold-antimony silt sample northwest of Ortell Lake. Finally, additional geological evaluation is required to determine the location of Dawson thrust fault. This could have important consequences in the identification of favorable terrain prospective for Carlin-type gold mineralization.

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1. INTRODUCTION

1.1 Location and Access

The Property is located in east-central Yukon centered at UTM NAD83 Zone 8 603000E 7107000N on NTS sheet 106O/02. The Property is situated 230 km north of the community of Ross River and 160 km east of the town of Mayo (Fig. 1). Two air strips are located nearby: the Rackla strip 20 kilometers northwest and the Stewart strip 25 kilometers east.

1.2 Physiography and Vegetation

The Property is located within the Selwyn Mountains. It is located within moderately rugged terrain with elevations ranging from 2200 to 6300 feet. The Property is within the Stewart River basin. Highest elevations are characterized by rubble crop, talus and abundant outcrop along the ridges. Lower elevations are covered by cordilleran boreal spruce and fir forest, with abundant alder growth. This vegetation grades into stunted conifers and buckbrush towards the tree line. Alpine tundra vegetation covers higher elevations. The most prominent physiographic feature is Ortell Lake, located on the southeast edge of the Property.

1.3 Claim Details

The Property consists of 208 contiguous quartz claims covering an area of 42 square kilometers that are located in the Mayo Mining District, Yukon. Carlin Gold Corporation (“Carlin”) is the owner on record with the Yukon Mining Recorder. Carlin and Constantine Metal Resources Ltd collectively hold a 100% interest in the Property, pursuant to a 50/50 joint venture agreement between the two parties (“CCJV”). Table 1 shows the claim summary of the property.

Table 1. Claim Summary for the HG Property

Group HM02910

Claim Name	Claim No.	Grant No. (to)	Total No.	Expiry Date	NTS Sheet	Registered Owner
HG	1-152	YE13101- YE13252	153	15/02/2017	106C/02	Carlin Gold Corporation - 100%
HG	153- 208	YD78369- YD78424	56	03/03/2017	106C/02	Carlin Gold Corporation - 100%

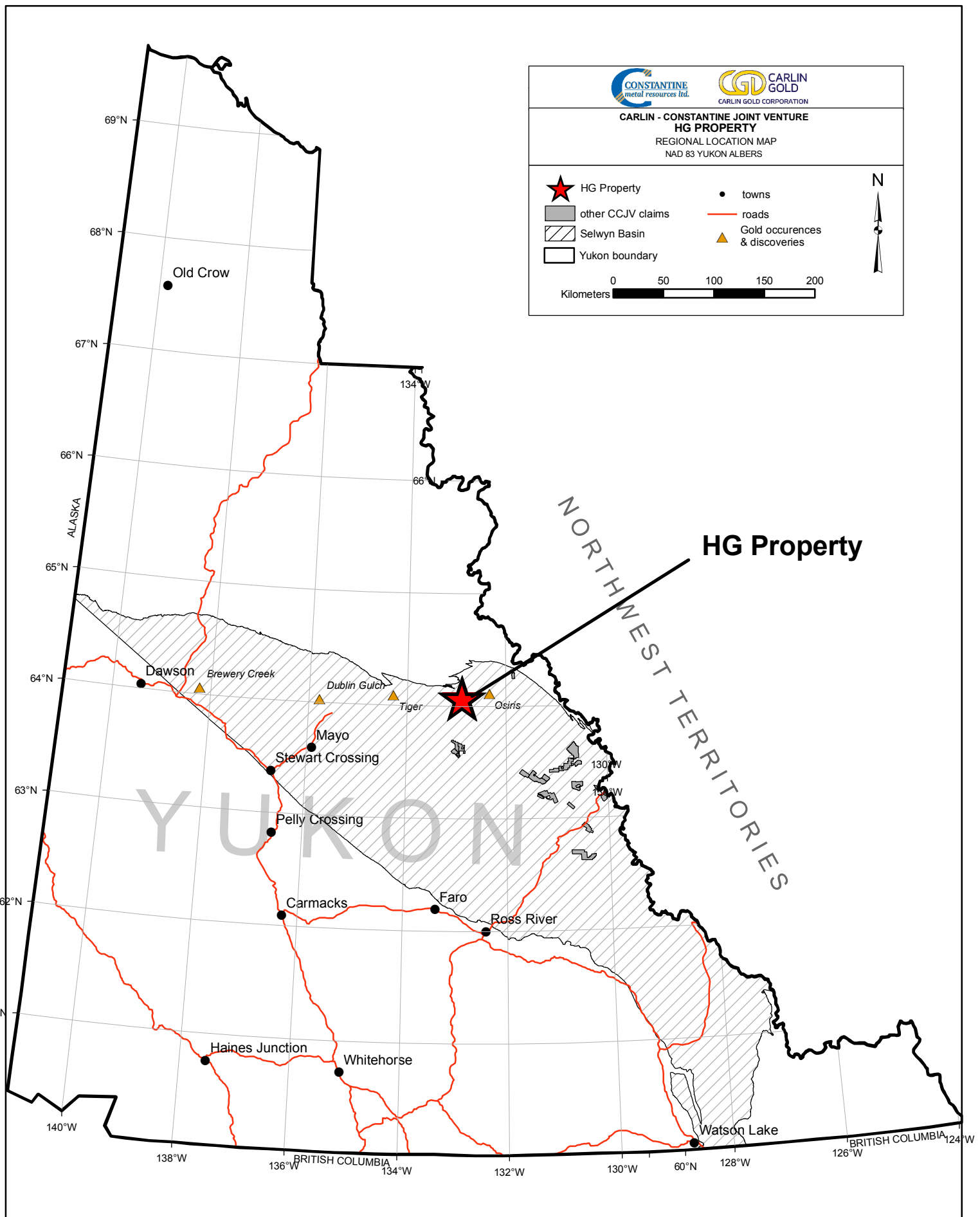


Figure 1. HG Property regional location map

1.4 Exploration History

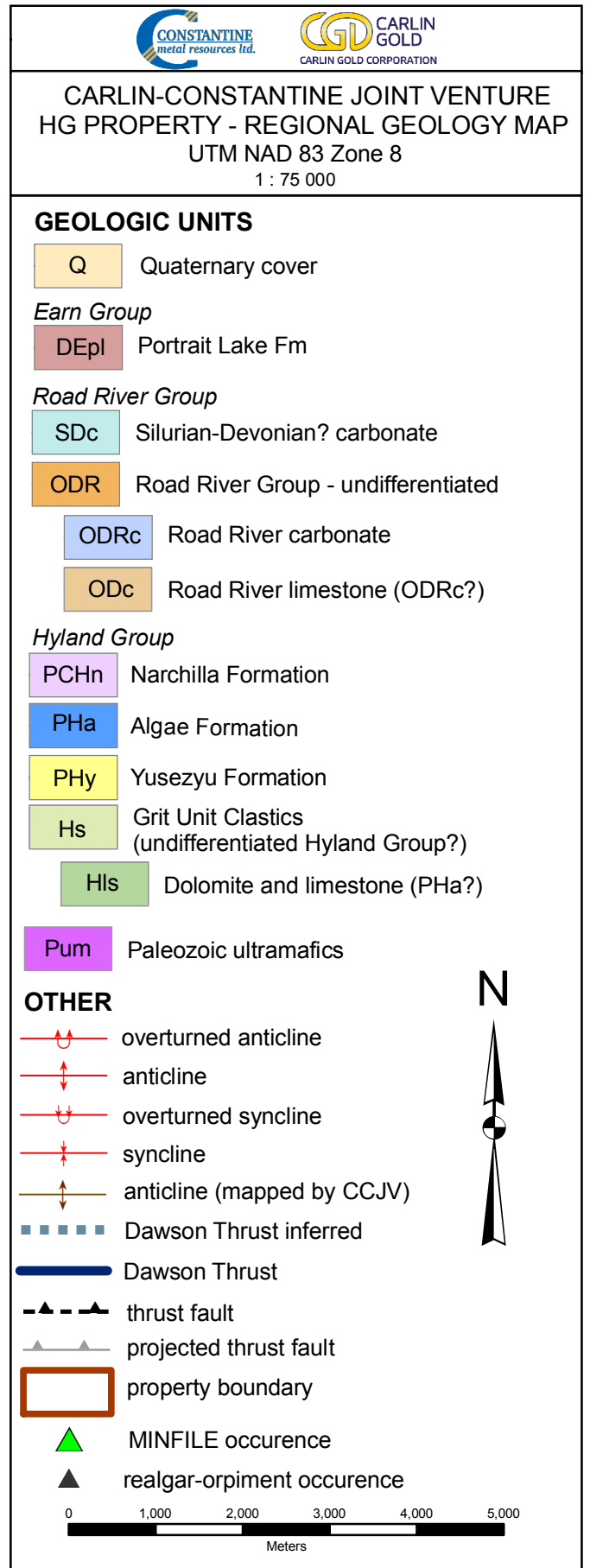
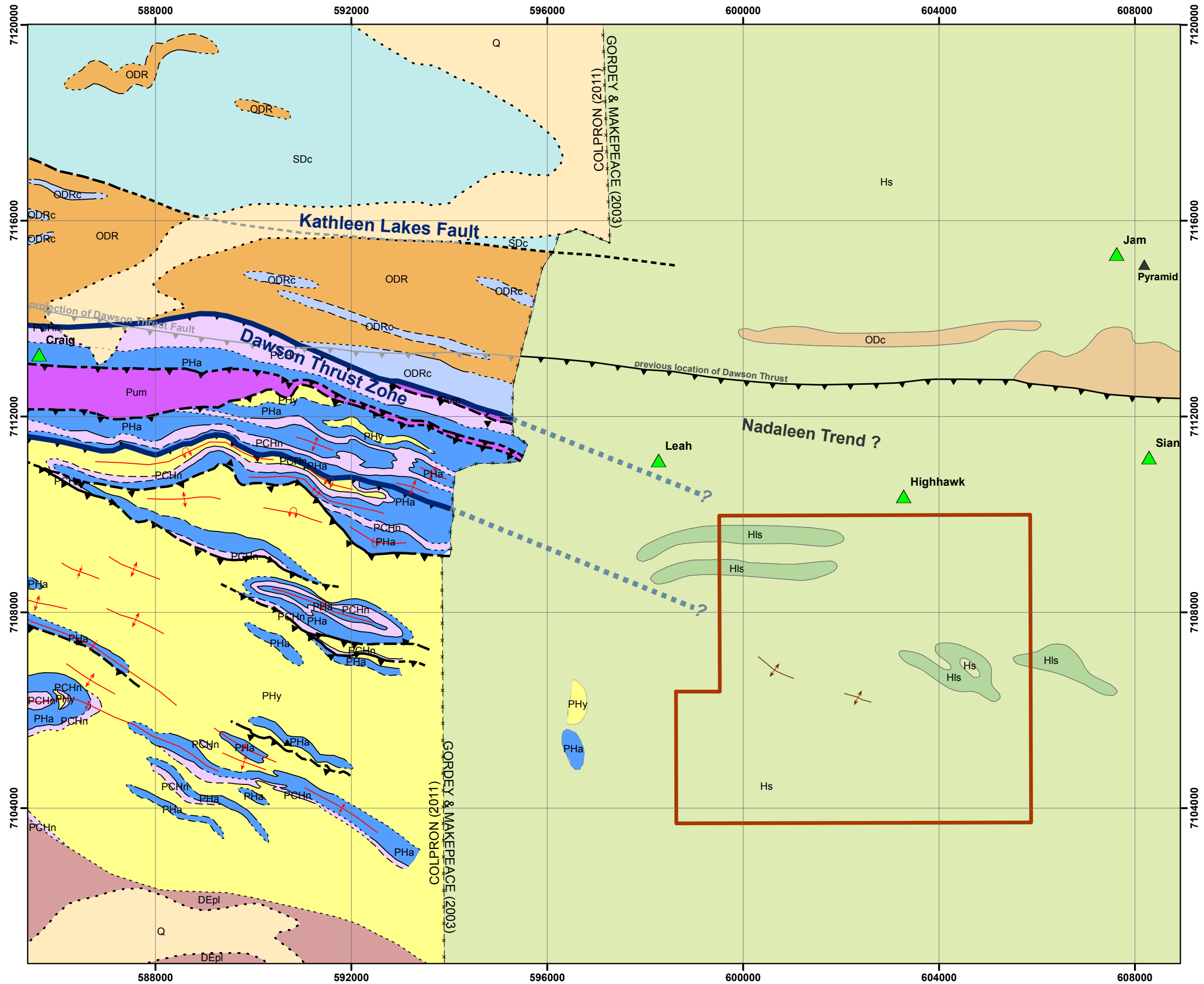
There has been no documented exploration activity on the HG property. There are, however, three MINFILE occurrences within three kilometers of the HG claim boundary (see Figure 2). These are categorized as Mississippi Valley-Type (MVT) lead-zinc occurrences which were actively explored in the 1970s (“Sian” and “Leah”, Figure 2). The closest occurrence, referred to as the “Highhawk” (MINFILE #106C-79) is reported to contain mercury mineralization. The MINFILE document reports that “cinnabar and native mercury occur in a small fracture zone cutting Late Proterozoic dolomite in a block above the Dawson Thrust”. This is one of two mercury occurrences reported in the 2,825 record Yukon MINFILE database. Two additional MVT MINFILE occurrences are located a bit further from the Property (labelled “Jam” and “Crag” on Figure 2). The Crag occurrence, 15 kilometers west-northwest of the property, is reported to contain realgar and orpiment accessory minerals accompanying lead-zinc mineralization within a silicified dolomite breccia.

2. GEOLOGICAL SETTING

2.1 Regional Geology

The Property is located in Selwyn Basin, near its northern edge. The Selwyn Basin lies on the northeast side of the Tintina Trench, within the northwestern Omineca Belt that extends northward from British Columbia, through Yukon and northwest into Alaska. The Selwyn Basin occupies much of central and southeastern Yukon and extends east into the southeast edge of the Northwest Territories (Goodfellow, 2007). It consists of an offshelf continental margin of ancestral North America, containing deep-water shales and clastic wedges (basinal strata of Colpron and Nelson, 2011) bounded by platform carbonates to the northeast (platformal strata of Colpron and Nelson, 2011). This basinal rock sequence ranges in age from Late Proterozoic through Devonian (Gordey and Anderson, 1993) and has undergone folding and faulting subsequent to deposition. Some of the more prominent regional-scale thrust faults that imbricate rocks of the Selwyn Basin include the Robert Service, Tombstone, and Dawson Thrusts; recent mapping to the west suggests that the Dawson thrust may in fact project onto the Property-(Figure 2).

The Property is located directly south of the Nadaleen trend along the northeast edge of the Tintina gold belt (TGB). The TGB follows an arcuate belt of mid- to late- Cretaceous granitoid intrusions extending from eastern Alaska, across central Yukon to the common Yukon-British Columbia-Northwest Territories border, roughly parallel to the accretionary ancestral North American craton boundary. These intrusions are referred to as “Tombstone Suite” intrusions, and also referred to in the Yukon as the Selwyn Intrusive Suite. In southeast Yukon the 98-92 Ma Tombstone/Selwyn intrusions were emplaced into folded and faulted stratigraphy of the Selwyn Basin. These granitoids were intruded following a period of terrane collision, crustal thickening and lower greenschist-facies metamorphism. The main west-northwest/east-southeast corridor of the Tombstone intrusion belt in this region passes about 30 kilometers to the south of the HG property.



2.2 Property Geology

The only published mapping on the HG property is by Blusson (1974). This work indicates that the Property is underlain by a “Grit Unit” described as consisting of “brown, grey, red and green slate, siltstone, feldspathic sandstone and conglomerate, minor grey dolomite and limestone” (Blusson, 1974). Within this material, Blusson (1974) has mapped several west-northwest and east-west striking 200-400 meter thick lenses of grey and orange weathering dolomite and limestone. Both the Grit Unit and the dolomite/limestone are indicated as Hadrynian in age on the Blusson map, and are assigned to the Upper Proterozoic/Cambrian in the Yukon Bedrock Geology map compiled by Gordey and Makepeace (2003). These rocks are assigned to the Hyland Group by Gordey and Makepeace (2003), the oldest exposed unit of the Selwyn Basin (YGS, Selwyn Basin Metallogeny). Observations by CCJV geological personnel are consistent with the lithologic descriptions provided above. Regionally the sedimentary rock units have a west-northwest strike, although a variety of bedding attitudes have been observed on the Property, indicating local structural variance.

On the adjacent Mount Ferrell map, Colpron (2011) divides the Hyland Group into three mappable units: Narchilla Formation (maroon, green, grey shale, siltstone; black gritty sandstone, local green and white sandstone), Algae Formation (light grey to buff weathering dolomitic limestone and dolostone; dark grey limestone), and Yusezyu Formation (brownish-grey sandstone and grit, calcareous near top; rare shale and siltstone). Observations and limited geological mapping by CCJV geologists indicate similar lithologies within the Hyland Group on the HG claims. The thin-to medium-bedded calcareous sandstone and siltstone observed in the central part of the HG property fits the description of Colpron’s Algae Formation. Similarly, some of the more quartzose sandstones observed by CCJV personnel appear to fit the description of the Yusezyu Formation of the Hyland Group. Maroon shales possibly equivalent to the Narchilla Formation have also been observed.

Blusson (1974) maps a prominent east-west fault located 3 kilometers north of the Property. This feature is compiled on the digital Yukon Bedrock Geology map (Gordey & Makepeace, 2003). Although unnamed on the compilation map, the structure represents the eastern projection of the Dawson thrust fault, a major regional structural feature that in part defines the northern boundary of the Selwyn Basin (YGS, Selwyn Basin Metallogeny). Hanging wall is on the south side of this structure. Colpron (2011) recently published a geologic map of the Mount Ferrell map area (NTS 106C/3), adjacent to the west side of the NTS 106C/2 sheet that contains the HG claims. The east edge of Colpron’s map is approximately 5 kilometers west of the west edge of the Property. Colpron maps a 2-2.5 kilometer wide west-northwest trending structural zone referred to as the “Dawson thrust zone”. If this directional trend continues, the Dawson thrust zone projects through the northern half of the HG claims. A similar eastward projection of the Kathleen Lakes fault from the east edge of Colpron’s map would put that regional structure approximately 5 kilometers north of the Property. The Kathleen Lakes fault marks the north edge of the Selwyn Basin in this area, with Paleozoic platform sequences mapped north of this boundary.

Table 2. Regional Geologic Units (Blusson, 1974, Colpron, 2011, and Gordey and Makepeace (compilers) 2003)*

Unit	Name	Age	Description
Pum	Ultramafics	Paleozoic (Cambrian?)	Altered ultramafics (serpentine and bright orange listwaenite), also gabbro sills and dikes (Colpron)
DEpl	Earn Group – Portrait Lake Formation	Middle to Upper Devonian	black shale and chert
SDc	Bouvette Formation(?) <i>(referred to in part as the Road River Group in Blusson, 1974 and Hyland Group by Gordey & Makepeace, 2003)</i>	Silurian to Devonian (?)	Light grey to yellowish-buff weathering dolostone and dolomitic limestone with common black chert nodules. Crudely bedded to massive fossiliferous wackestone to grainstone.
OSDr	Road River Group	Ordovician to Devonian (?)	Black shale and chert, minor limestone. Larger limestone mapped separately as ODC
Hs	“Grit Unit”-Hyland Group	Hadrynian	brown, grey, red and green slate, siltstone, feldspathic sandstone and conglomerate, minor grey dolomite and limestone
Hls	Sub-unit of “Grit Unit”-Hyland Group	Hadrynian	grey and orange weathering dolomite and limestone

* see text for detailed subdivisions of Hyland Group shown in Figure 2

2.3 Mineralization Potential

The HG claims were staked primarily to target areas for sedimentary rock-hosted, Carlin-style gold mineralization hosted in prospective Paleozoic and late Proterozoic lithologies. The claims were staked following the ATAC Resources’ announcement of the discovery of Carlin-style mineralization at the Osiris and Conrad zones approximately 24 kilometers east-northeast of the Property. ATAC describes their Carlin-type discoveries as occurring within the “Nadaleen trend”, an east-west trending 3-4 kilometer wide fault-bound belt of anomalous arsenic geochemistry that projects west from the new discoveries to just north of the Property. The southern and northern boundaries of the Nadaleen trend are, respectively, the Dawson thrust fault and the Kathleen Lakes fault. The Osiris and Conrad discoveries are within the Nadaleen trend, apparently in the footwall (north of) of the Dawson thrust fault.

One of ATAC’s early stage targets, Pyramid, is located 6.5 kilometers northeast of the northeast corner of the Property. Other reported Carlin-type targets are also located northwest of the property (the “Crag” occurrence 15 miles west, mentioned above). The Nadaleen Trend is not currently well defined, and could in fact include a portion of the HG claims.

The Property meets several diagnostic criteria which are characteristic of Carlin-type deposits in Nevada, including the following: 1. ancient continental margin setting (near the north edge of the Selwyn Basin), 2. prominent regional scale thrust faults (the Dawson thrust fault is projected to cross the northern portion of the Property) 3. favourable carbonate-bearing host rock stratigraphy, 4. key pathfinder elements in regional stream sediments, and 6. proximity to documented occurrences of low-temperature arsenic and mercury minerals (realgar and orpiment at the Osiris discovery, the Pyramid occurrence within 6 kilometers to the northeast, the Crag occurrence 15 kilometers to the west-northwest, the Crag East occurrence 8.7 kilometers east and the cinnabar occurrence just north of the HG claim boundary).

Observations by CCJV geological personnel indicate that favorable Carlin-type host units of the Hyland Group rock assemblage, including the Algae Formation, occur on the HG claims. The Algae Formation is considered a host rock for at least one of the area's new Carlin-type discoveries, Conrad (Personal communication with ATAC geologists).

Three silt samples from the regional stream geochemistry database (RGS data) are located on the Property (Fig. 3) with values provided in Table 3. One of these indicated strongly anomalous levels of Carlin-type pathfinder geochemical values – sample 106C011093 contained 72 ppm arsenic (95th percentile for Selwyn Basin portion of the RGS database) and 351 ppm mercury (94th percentile).

Table 3. Regional Silt Stream Sediment (RGS) Data for the HG property

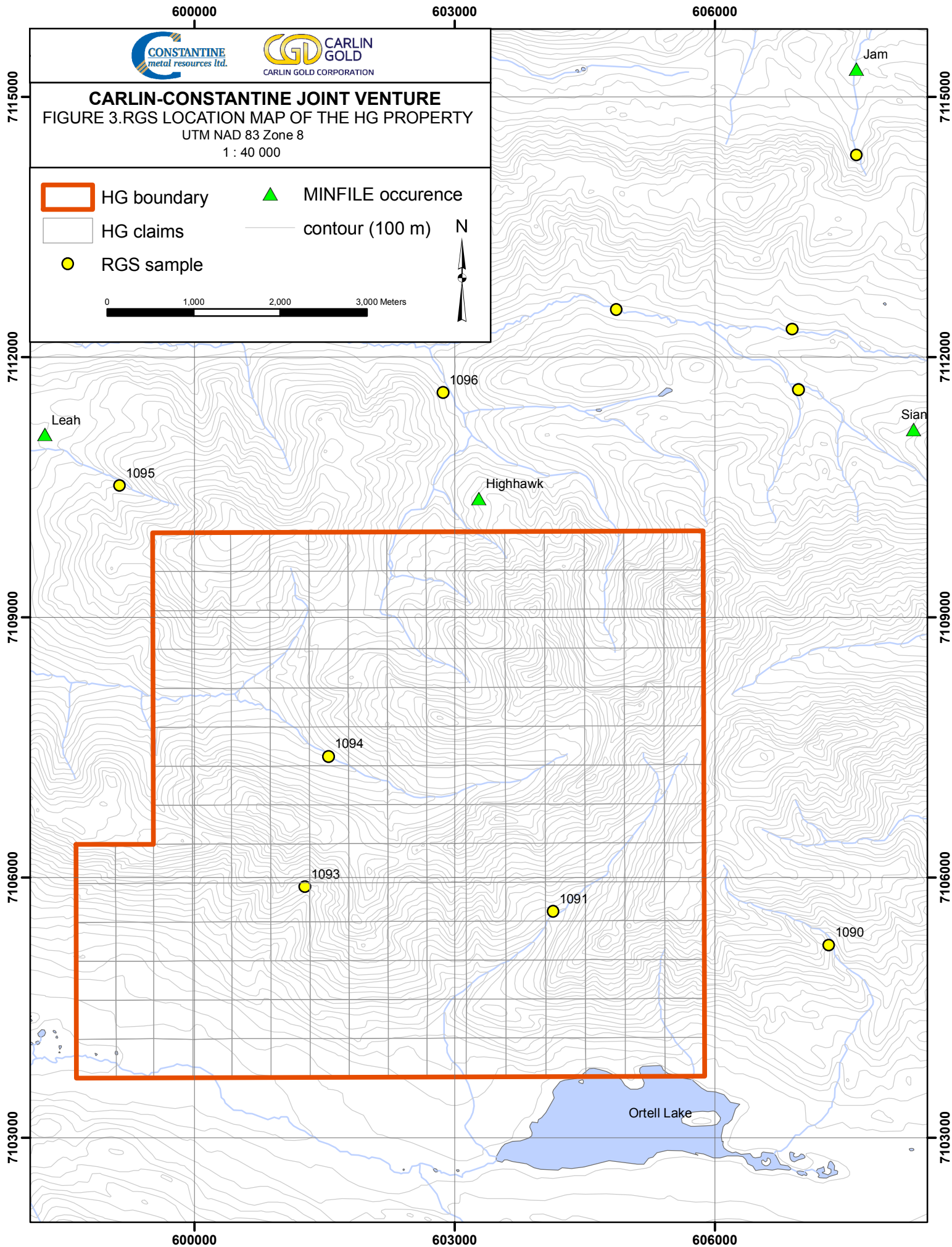
SAMPLE NUMBER	SAMPLE ID	Au (ppb)	As (ppm)	Hg (ppm)	Sb (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Ba (ppm)	U (ppm)	W (ppm)	Zn (ppm)	Tl (ppm)
1090	106C011090	1	23	52	0.9	39.5	0.8	26.6	730	5.4	0.5	99.2	0.05
1091	106C011091	3	21	137	1.1	34	0.7	20.9	680	7	2	67.5	0.04
1093	106C011093	3	72.2	351	1.5	45.4	0.9	17.3	640	3.6	0.5	87.6	0.06
1094	106C011094	4	40	178	1.7	41.3	0.8	22.7	770	7	2	76.5	
1095	106C011095	3	25	183	0.9	37.8	1.0	29.0	820	7.8	2	94.5	0.06
1096	106C011096	3	32	134	1.3	79.8	0.6	26.5	690	0.8	4	88.9	0.05



CARLIN-CONSTANTINE JOINT VENTURE
FIGURE 3.RGS LOCATION MAP OF THE HG PROPERTY
UTM NAD 83 Zone 8
1 : 40 000

- HG boundary
- MINFILE occurrence
- HG claims
- contour (100 m)
- RGS sample

0 1,000 2,000 3,000 Meters



3. WORK PROGRAM

3.1 Sampling Area

A total of 1672 samples were collected on the Property, including 50 rocks, 29 silts, and 1593 soils. Contour sampling was the initial sampling approach with nominal sample spacing at 100-125 m followed by tighter, grid sampling (50 meter sample spacing along lines 100 meters apart) in selected areas. Plate 1 shows the sample locations.

3.2 Sample Preparation and Procedures

All soils and silt samples collected were dried and sieved at a base camp and analyzed with a portable XRF unit prior to shipping to AcmeLabs in Vancouver, B.C. All rock samples were shipped to the AcmeLabs sample preparation facility in Whitehorse, Yukon, for sample preparation and subsequent analysis at AcmeLabs in Vancouver, B.C.

3.2.1 Sampling Procedure

All soils were collected in Kraft Wet Strength 4" by 6" soil bags, and the silts in Hubco New Sentry 5" by 8.5" bags. These bags were pre-labeled and inserted with two of a three part barcoded sample tag series prior to sampling. The third part of the sample tag was left in the sample booklets for the sampler to write notes and/or descriptions which were then recorded in the database. Each sample type have a unique sample series: rock samples have 5-digit sample number, silts have a 9-digit sample number, and soils have a 9-digit sample number. Samples were collected using the blade portion of a Geotul, and dug to depths ranging from 15 cm to 0.5 m (in most cases this was C horizon). Care was taken to sample below organic material and a 2000 year old volcanic ash layer that may be locally present.

3.2.2 Drying Procedure

After sampling, bags were hung orderly in a drying tent at the end of each traverse/sampling day. The drying tents were constructed of canvas tents, with tarps overlain on top of each tent to keep off elements of nature and moisture. Samples were hung on drying racks, with adequate spacing between each sample to ensure air flow. A series of heaters, fans, and de-humidifiers were placed in strategic places in the tents to maintain warm moving air and improve drying time. Soil samples were left to dry for at least 3 days, while silt samples were dried for at least 5 days, with actual drying time dependent on the moisture content of the samples. Occasionally, the samples were broken up using a rubber mallet in order to increase the surface area for drying as they tend to harden throughout the drying process.

3.2.3 Sieving Process

The dried samples were then sieved, using a series of automated Gilson SS15 sieve shakers. Samples were broken up and emptied from the bags, with sample tags removed, and placed into a clean stackable set of Tyler 8" stainless steel collecting pans and 80

mesh sieves. Organic matter was discarded and large rock chips were removed prior to sieving. Each pan-sieve set was then loaded onto the shakers in stacks of three sets and shaken for at least 4 minutes. Once shaken, the pans were unloaded and the fine fractions were poured into Tin Top 3" by 5" pulp bags that were tagged with the first part of the three-part sample tags. The second sample tag was then stapled to the original Kraft soil, into which the coarse fractions was poured back. The pans and sieves were then cleaned using a soft brush for the next batch of samples to be processed.

3.2.4 XRF Sample Cup Preparation

A small portion of -80 mesh sieved sample was placed into a sample cup for analysis by the XRF analyzer. The sample material was poured into a 32 mm Double-Open Ended with Ventable Reservoir Cap Universal XRF sample cups until 3/4 full, with one end covered with a Premier Polypropylene X-Ray film of 6.0 µ; 0.24 mil, all of which were supplied by Premier Lab Supply. The sample material was then pressed tightly against the film with a cotton ball, and sealed with the Ventable Reservoir Cap. The remaining -80 mesh material was kept together with the analyzed cups until completion of the analysis to ensure integrity of the samples.

3.3 XRF Analysis

3.3.1 XRF Analyzing Procedure

All prepared samples were analyzed with the Thermo Scientific Niton Gold XL3t 500 GOLDD™ handheld X-Ray Fluorescence Analyzer. This analyzer was mounted on a portable test stand, and connected to a field computer. All operations were performed remotely via the computer. Analysis was performed in "Soils" mode, running with 3 filters, at 10 seconds per filter for a total of 30 seconds per sample. (Note: All analyses and operations with the XRF analyzer were in compliance with Canada Federal Regulations).

Prior to the analysis, the barcode on each sample was scanned, followed by placing the corresponding sample cup in the analyzer. The test stand lid was closed, locked, and the sample was then analyzed. Data was automatically recorded, saved directly to the analyzer and simultaneously downloaded to the computer. Two internal standards as well as a lab standard was analyzed every 30 readings. The internal standards were soil matrices from Nevada in a mineralized sediment-hosted environment and the lab standard, "Till 4" was a representative standard for a typical soil matrix. After analysis, the sample cups were labelled and stored, while the remaining -80 mesh fraction samples were shipped to the AcmeLabs in Vancouver, B.C., for further analysis. Acme Analytical Laboratories, Vancouver maintains a Certificate of Registration at ISO 9001:2008 for Quality Management System (Certificate No: FM 63007).

3.3.2 XRF Data Analysis

The on-site data XRF analysis allowed for immediate follow-up sampling of areas with anomalous pathfinder elements prior to the return of formal laboratory assay results. The stand mounted handheld XRF analyzer was mainly used for arsenic determination. Arsenic produced the most consistent and reliable data and is strongly correlated with gold in many mineralized environments. To determine the relationship between the field XRF and the assay lab determinations of arsenic, a linear regression analysis was produced (Fig. 4) using the data from the XRF and assay results. This shows a coefficient of determination factor of 0.991 which equates to excellent correlation between both determinations.

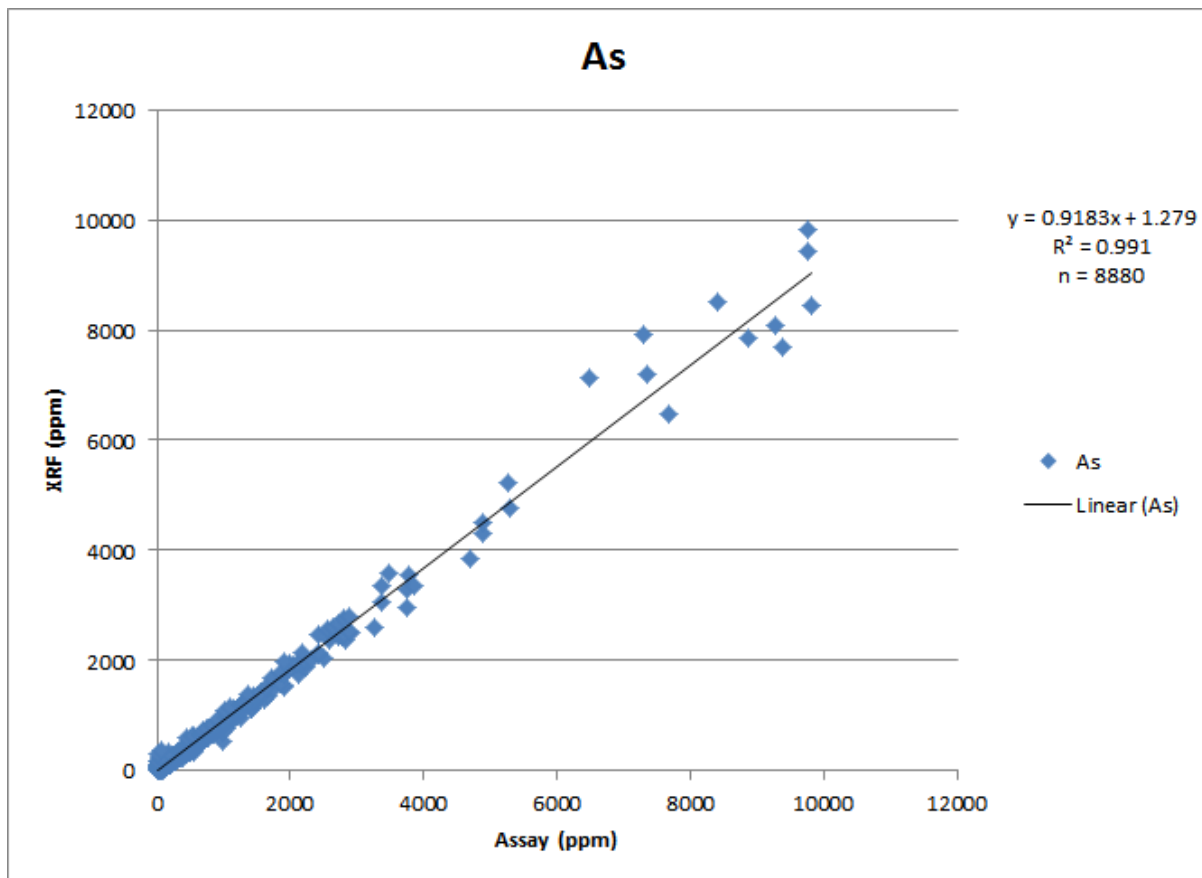


Figure 4. XRF linear regression analysis for Arsenic

3.4 Assay Procedure

The prepped soils and silt samples were shipped to AcmeLabs in Vancouver for “1DX2” assay determination. Sample splits of 15 grams were subjected to a hot (95°) Aqua Regia digestion with a 36 element determination (including gold) by ICP-MS technique. The 15 gram split is deemed an adequate size, for a digestion type analyses, to provide sufficiently reliable gold values for the purpose of the soil and silt surveys.

The rock samples were shipped to the AcmeLabs sample preparation facility in Whitehorse. The rock sample is crushed to 10 mesh, from which a 250 g sample split was produced. The split was pulverized to 200 mesh for analysis. The prepared sample was then shipped to AcmeLabs in Vancouver for analysis. A 0.5 gram subsample was subjected to Aqua Regia digestion and 36 element ICP-MS analysis (AcmeLabs code “1XD1”). A separate 30 gram subsample was analyzed by standard fire assay preparation with Atomic Absorption finish.

For samples reporting upper analytical limit for gold (10 ppm), silver (100 ppm), zinc (10,000 ppm) and lead (10,000 ppm), overlimit assays were completed.

3.5 Personnel

The following personnel did all of the applicable work for assessment:

Geologists

Darwin Green
Robert Thomas
K. Wayne Livingstone
Nathan Steeves
Aisyah Abdkahar
Roy Greig, geologist and sample crew chief (C. J. Greig & Associates Ltd.)

Field Technicians (provided by C.J. Greig & Associates Ltd.)

Brittney Bidlake
Mairi Greig
Hannah Grimsom
Kei Quinn
Thomas Sly
Kelsey Rufiange
Nathan Speijer
Christoph Marie
Lukasz Jarawka

Pilot

Taylor Morrison, Kluane Helicopters

3.6 Expenditures

Table 4. Table of Expenditures for the HG Property

Statement of Expenditures - HG Property Group			
July-September 2011 Reconnaissance Field Program - Soils, Silts, and Prospecting			
LABOUR	UNIT	RATE	TOTAL
Project Manager (R.Thomas/D.Green)	9	600	5,400
Crew Chief (R.Greig)	9	400	3,600
Geologist/Dbase Manager	13.5	350	4,725
Sample Crew (CJ Greig and Assoc.)	45	315	14,175
Prospectors		400	-
Sample prep crew and XRF operator	36	315	11,340
subtotal			39,240
GEOCHEMISTRY	UNIT	RATE	TOTAL
Assay cost (Acme Analytical)			34,440
XRF equipment and prep lab rental and supplies			8,550
Shipping			2,583
subtotal			45,573
CAMP COSTS	UNIT	RATE	TOTAL
Room and Board (all-in camp costs per head)*	112.5	225	25,313
Field Supplies			5,166
subtotal			30,479
FIELD TRANSPORTATION	UNIT	RATE	TOTAL
Helicopter + Fuel (Kluane Helicopters)			38,273
Fixed Wing (Alkan Air)			3,050
subtotal			41,323
REPORT WRITING			3,500
TOTAL			160,114

* all in camp costs include groceries, fuel, general camp supplies, truck rental ,salary of cook, camp manager, camp hands, Whitehorse support costs, expediting/transport of goods, tent and equipment rental etc.

4. GEOCHEMISTRY

4.1 Previous geochemical sampling

Regional, publicly available silt sample data (RGS) is available for the area, although only three samples were actually collected within the Property boundary. The 31,000 sample, Yukon-wide dataset was clipped to the boundaries of the Selwyn Basin, as it was determined that the statistics within this geological boundary would provide more meaningful information. There are a total of 8,119 samples within this clipped RGS dataset. Since the primary exploration target is a Carlin-type deposit, the pathfinder elements associated with this style of mineralization were of particular interest. These elements include gold, arsenic, mercury, antimony and thallium. One RGS sample contained 72.2 ppm arsenic (95th percentile for Selwyn Basin dataset) and 351 ppb mercury (94th percentile). Thallium data for the RGS database is incomplete, so a meaningful statistical analysis of this element was not possible. Thallium values for the Property RGS samples are all < 0.10 ppm, however.

4.2 Project Geochemical Sampling

The 2011 field program consisted primarily of soil geochemical sampling, with lesser silt and rock sampling. Initial contour sampling traverses at a nominal spacing of 100-125 meters were laid out to best take advantage of topography, while providing efficient coverage of the existing mapped prospective geological features, regional RGS geochemical anomalies, and Landsat TM anomalies. Tighter, follow-up grid sampling was carried out in two selected areas. A total of 1672 samples were collected, including 50 rocks, 29 silts, and 1593 soils. Plate 1 shows the sample locations. Sixteen individuals participated in the sampling program. Soil and silt samples were prepped at a base camp and analyzed with a portable Niton XRF unit prior to shipment to the assay laboratory. Following XRF analyses, soil and silt samples were then transported to AcmeLabs in Vancouver, BC, where they were analyzed with a 36 element ICP-MS procedure. Rock samples were prepped in the AcmeLabs Whitehorse laboratory, and then shipped to Vancouver for analysis using ICP-MS and fire assay fusion ICP-ES for gold.

4.3 Geochemical distribution – CCJV Coverage

Soils

Statistical summaries for gold, arsenic, mercury, antimony, thallium, silver, copper, nickel, lead, zinc and bismuth are provided in Table 5 for soils.

Table 5. Statistics for soil samples for the HG property

	Au (ppb)	As (ppm)	Hg (ppm)	Sb (ppm)	Tl (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Ni (ppm)	Pb (ppm)	Bi (ppm)
Max	47.6	720.1	9.52	36	1.0	2.7	1014	5809	251.9	1103.8	6.3
Mean	1.96	33.25	0.19	1.2	0.11	0.14	56.75	84.31	31.1	25.44	0.34
Standard Deviation	2.04	49.83	0.46	1.63	0.04	0.12	55.96	150.88	16.08	41.4	0.19
95th percentile	4.9	85.3	0.61	3.5	0.2	0.3	165.1	127	61.7	46.7	0.5

Although the gold soil geochemistry on the HG property is rather subdued, nine samples exceeded 10 ppb Au (high 47.6 ppb), and several interesting patterns are apparent, especially in combination with other potential Carlin pathfinder elements. These shown in Figures 5a (gold), 5b (arsenic), 5c (antimony), and 5d (mercury) and are discussed below.

Silts

Only 29 silt samples were collected, precluding any meaningful statistical analysis beyond providing maximum and mean values (provided in Table 6). Silt samples were collected mainly in drainages along original soil sample traverses, and in drainages removed from soil traverses in an attempt to provide more complete geochemical coverage of the Property. The highest gold silt value, 15.6 ppb, was encountered up a drainage from the west end of Ortell Lake in the southeastern part of the Property (Figure 5a). This sample also contained the highest antimony silt value of 4.2 ppm Sb (Figure 5c). Very limited soil sampling was conducted up gradient from this silt sample.

Table 6. Statistics for silt samples for the HG property

	Au (ppb)	As (ppm)	Hg (ppm)	Sb (ppm)	Tl (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Ni (ppm)	Pb (ppm)	Bi (ppm)
Max	15.6	184	0.95	4.2	0.2	1.0	180.8	521	69.2	75.7	0.7
Mean	2.01	33.8	0.28	1.18	0.1	0.17	49.01	114.03	33.87	28.02	0.36

Rocks

Maximum and mean values in the rock samples collected on the Property are provided in Table 7.

Table 7. Statistics for rock samples for the HG property

	Au (ppb)	As (ppm)	Hg (ppm)	Sb (ppm)	Tl (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Ni (ppm)	Pb (ppm)	Bi (ppm)
Max	15.0	187.3	33.96	10.1	0.7	3.1	1474.7	6448	190.6	3053.8	0.5
Mean	3.0	23.8	1.17	0.79	0.1	0.2	86.5	264	23.8	102.7	0.12

600000

602000

604000

606000

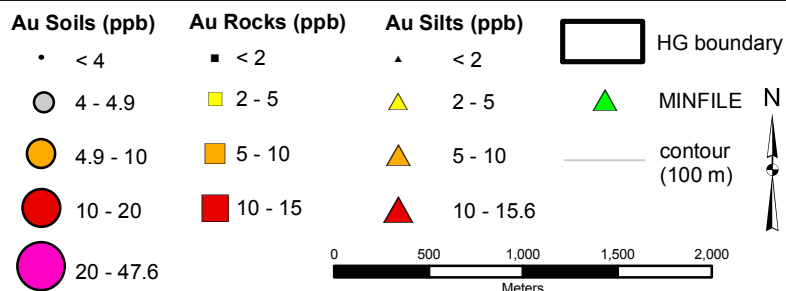


CARLIN-CONSTANTINE JOINT VENTURE

FIGURE 5a. GOLD DISTRIBUTION MAP ON THE HG PROPERTY

UTM NAD 83 Zone 8

1 : 40 000



Highhawk

7112000

7112000

7110000

7110000

7108000

7108000

7106000

7106000

7104000

7104000

20.6 ppb

47.6 ppb

15.6 ppm

Ortell Lake

600000

602000

604000

606000

600000

602000

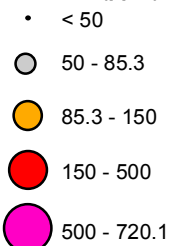
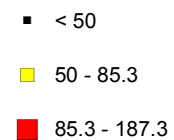
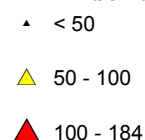
604000

606000

**CARLIN-CONSTANTINE JOINT VENTURE****FIGURE 5b. ARSENIC DISTRIBUTION MAP ON THE HG PROPERTY**

UTM NAD 83 Zone 8

1 : 40 000

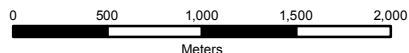
As Soils (ppm)**As Rocks (ppm)****As Silts (ppm)**

HG boundary

MINFILE

contour (100 m)

N



7112000

7110000

7108000

7106000

7104000

7112000

7110000

7108000

7106000

7104000

Highhawk

565.1 ppm

701.2 ppm

689.2 ppm

628.3 ppm

720.1 ppm

667.7 ppm

Ortell Lake

600000

602000

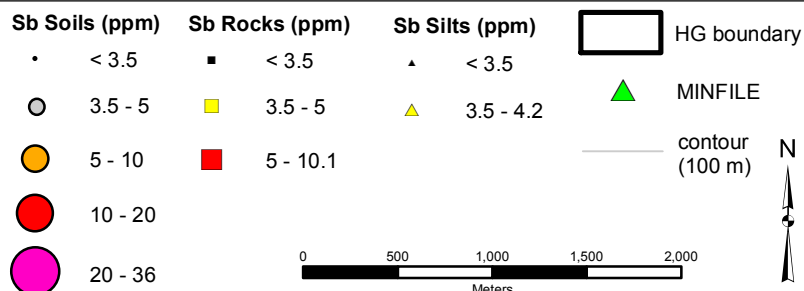
604000

606000

**CARLIN-CONSTANTINE JOINT VENTURE****FIGURE 5c. ANTIMONY DISTRIBUTION MAP ON THE HG PROPERTY**

UTM NAD 83 Zone 8

1 : 40 000



7112000

7112000

7110000

7110000

7108000

7108000

7106000

7106000

7104000

7104000

21.1 ppm

36 ppm

4.2 ppm

Highhawk

Ortell Lake

600000

602000

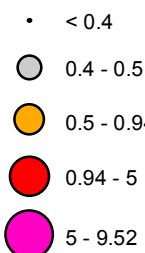
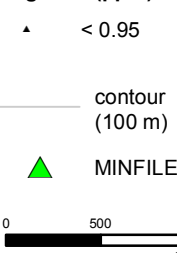
604000

606000

**CARLIN-CONSTANTINE JOINT VENTURE****FIGURE 5d. MERCURY DISTRIBUTION MAP ON THE HG PROPERTY**

UTM NAD 83 Zone 8

1 : 40 000

Hg Soils (ppm)**Hg Rocks (ppm)****Hg Silts (ppm)**

HG boundary

N

contour
(100 m)

▲ MINFILE

0 500 1,000 1,500 2,000

Meters

Highhawk

33.96 ppm

9.52 ppm

7.3 ppm

8.85 ppm

Ortell Lake

600000

602000

604000

606000

7112000

7110000

7108000

7106000

7104000

7112000

7110000

7108000

7106000

7104000

5. DISCUSSION and CONCLUSION

XRF field analysis of the initial soil sample traverses encountered an arsenic anomaly on the west side of the Property. This, combined with partial assay results showing weakly anomalous gold to 20.6 ppb and highly anomalous mercury results to 9.52 ppm coincident with the XRF arsenic anomaly, encouraged the CCJV to conduct soil sampling along two grids in the initial anomalous areas. The grid results, coupled with limited reconnaissance geological observations resulted in interesting patterns for gold and Carlin-type pathfinder elements arsenic, antimony and mercury. In general, the strongest gold values occur within areas underlain by calcareous lithologies, either calcareous siltstones/sandstones, calcareous quartzose sandstones, or platy limestones and rarely more massive limestones. Five of the nine highest gold values (> 10 ppb Au) on the South Grid appear to be aligned along or on the flank of the axes of a west-northwest trending anticlines in a calcareous sandstone/siltstone unit that is tentatively correlated with the Algae Formation mapped by Colpron (2011) in the adjacent 50,000 scale quadrangle to the west of the Property. This general pattern is also encountered in the arsenic soil data. The anomalous gold zone trends for approximately 2 kilometers along this trend, attaining widths up to 400 meters (Figure 5a), and the arsenic anomaly is about 2.4 kilometers long, 200-400 meters wide (Figure 5b). A north-northeast pattern, orthogonal to the west-northwest zone described above, also appears in the South Grid area for gold, arsenic, antimony (Figure 5c) and mercury (Figure 5d).

The North Grid is located within the east-southeast projection of the Dawson thrust fault zone, as described in Section 2.2 Property Geology. Weak west-northwest patterns are seen in the Carlin pathfinder elements (Figures 5a, 5b, 5c, 5d), with the most notable being a one kilometer long, 500-700 meter wide west-northwest trending coincident gold-arsenic-antimony-mercury soil anomaly centered at 600,700E, 7,108,800N UTM. Limited rock sampling in this area encountered strongly anomalous mercury up to 34 ppm within a zone of barite veining in a calcareous grit/sandstone.

6. RECOMMENDATIONS

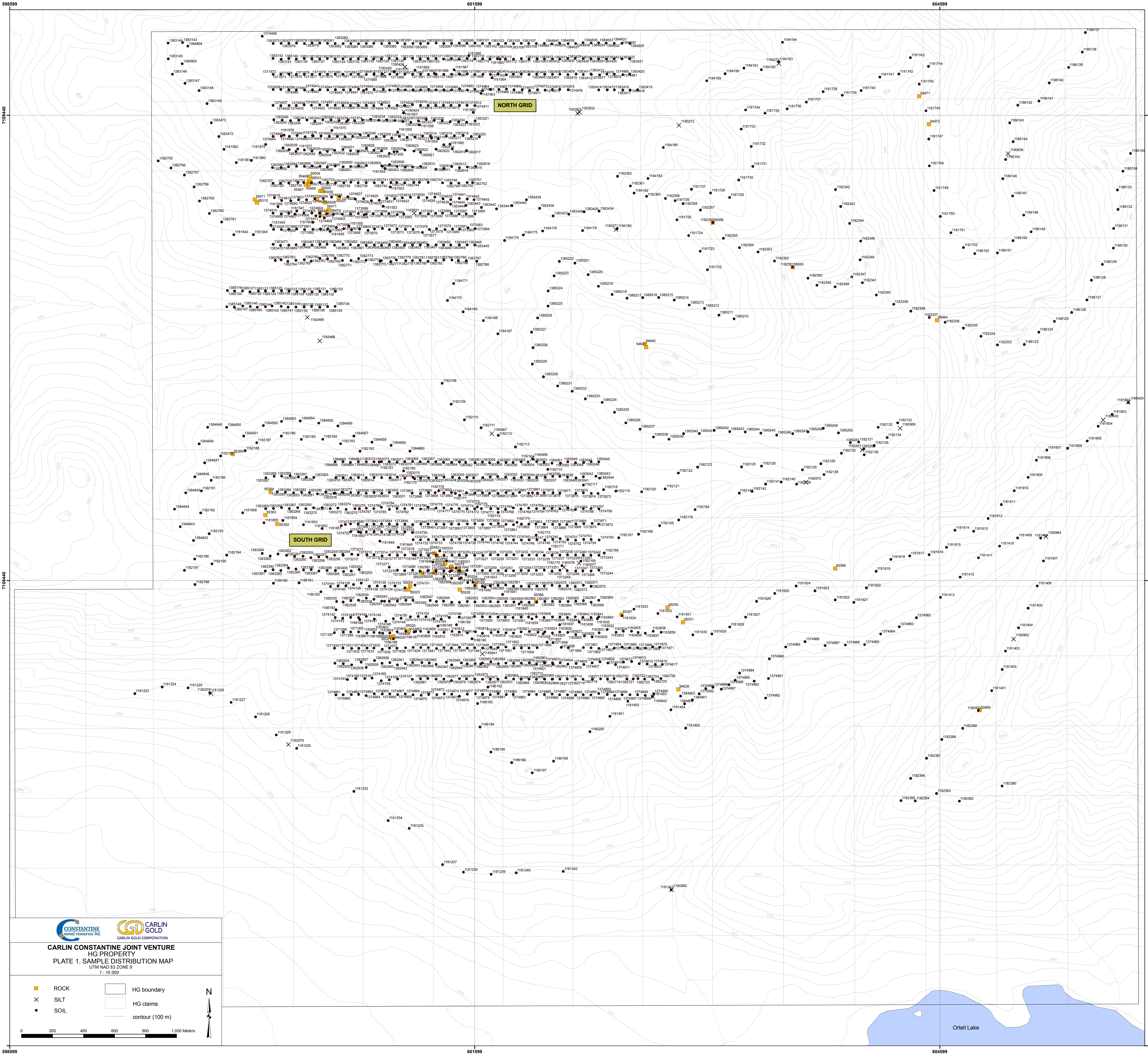
Although strongly anomalous gold has not yet been encountered on the HG property, additional work is warranted. Prospecting and rock sampling is required within the west-northwest gold-arsenic soil anomaly within the South Grid, and also within the gold-arsenic-antimony-mercury anomaly encountered in the North Grid. Additional soil sample and prospecting traverses should be completed above the high gold-antimony silt sample northwest of Ortell Lake.

Further investigation, sampling and prospecting of the northeast anomaly trend, which may represent an important cross structure, is also warranted and recommended.

Additional geological evaluation is required to determine the location of Dawson thrust fault. Most of the Carlin-type discoveries so far known are apparently located in the footwall (north side) of this fault zone, therefore it is important to determine if this feature crosses the property. It should also be kept in mind, however, that neither the economic significance or location of the Nadaleen trend is well understood. Not all of the nearby Carlin-type prospects, for example, are within this “trend” as it is currently defined.

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- Yukon Geological Survey website, 2011, Selwyn Basin Metallogeny – accessed July 2011



CARLIN CONSTANTINE JOINT VENTURE
HG PROPERTY
PLATE 1. SAMPLE DISTRIBUTION MAP
UTM NAD 83 ZONE 9
1 : 10 000

- | | | | |
|--|------|--|-----------------|
| | ROCK | | HG boundary |
| | SILT | | HG claims |
| | SOIL | | contour (100 m) |



APPENDIX A

STATEMENT OF QUALIFICATIONS

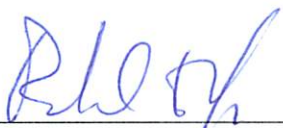
STATEMENT OF QUALIFICATIONS

I, Robert D. Thomas, Jr, CPG., do hereby certify that:

1. I am currently Vice President of Exploration for Carlin Gold Corporation with an office at:

320-800 West Pender Street,
Vancouver, British Columbia, Canada
V6C 2V6.
2. I graduated with a B.A. degree from Bates College, Lewiston, Maine, USA in 1969 and an M.A. degree in geology from Wesleyan University, Middletown, Connecticut, USA in 1974.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the HG property in 2011 and am an author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 39 years. My work experience has been in exploration for gold and base metal mineralization in North America and Central America for both major and junior mining companies.
5. I am a Certified Professional Geologist registered with the American Institute of Professional Geologists (CPG #10314).

Dated this 15th Day of May, 2012.



Signature of Qualified Person

"Robert D. Thomas, Jr"

Print name of Qualified Person

STATEMENT OF QUALIFICATIONS

I, Darwin Green, P.Geo., do hereby certify that:

1. I am currently Vice President of Exploration for Constantine Metal Resources Ltd. with an office at:

320-800 West Pender Street,
Vancouver, British Columbia, Canada
V6C 2V6.
2. I graduated with a degree in Geological Sciences (B.Sc.) from the University of British Columbia in 1995. In addition, I was granted a M.Sc. degree in geology from Carleton University at Ottawa in 2001.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the HG property in 2011 and I am an author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 18 years. My work experience has been in exploration for gold and base metal mineralization in North America, South America and Central America for both major and junior mining companies.

Dated this 15th Day of May, 2012.



Signature of Qualified Person

"Darwin Green"
Print name of Qualified Person

APPENDIX B

ASSAY CERTIFICATES



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Carlin Gold Corporation**
320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Submitted By: K. Wayne Livingstone
Receiving Lab: Canada-Vancouver
Received: July 22, 2011
Report Date: August 01, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11003364.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number HG-01
Number of Samples: 192

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	192	Sorting of samples on arrival and labeling			VAN
1DX2	190	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Liz Cornejo
Darwin Green
J. Garfield MacVeigh
Bob Thomas



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



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Carlin Gold Corporation**
320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: August 01, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003364.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1180271	Soil Pulp																							
1180272	Soil Pulp																							
1180273	Soil Pulp																							
1180423	Soil Pulp																							
1180424	Soil Pulp																							
1180425	Soil Pulp																							
1180426	Soil Pulp																							
1180636	Soil Pulp																							
1181543	Soil Pulp																							
1181544	Soil Pulp																							
1181545	Soil Pulp																							
1181546	Soil Pulp																							
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1181563	Soil Pulp																							
1181564	Soil Pulp																							
1181565	Soil Pulp																							



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: August 01, 2011

Page: 2 of 8 **Part** 2

CERTIFICATE OF ANALYSIS

VAN11003364.1

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180271	Soil Pulp	27	0.74	135	0.005	3	1.25	0.005	0.10	<0.1	0.21	8.3	<0.1	<0.05	4	1.0	<0.2
1180272	Soil Pulp	3	1.07	74	<0.001	2	0.26	0.004	0.06	<0.1	0.14	2.1	<0.1	0.05	<1	0.8	<0.2
1180273	Soil Pulp	32	0.80	71	0.003	<1	2.20	0.007	0.06	<0.1	<0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
1180423	Soil Pulp	12	0.34	132	0.002	2	0.86	0.003	0.06	<0.1	0.21	3.2	<0.1	<0.05	3	0.7	<0.2
1180424	Soil Pulp	8	2.73	133	0.003	4	0.48	0.006	0.07	<0.1	0.95	2.1	0.1	0.06	1	1.4	<0.2
1180425	Soil Pulp	9	0.34	256	0.002	2	0.54	0.004	0.10	<0.1	0.48	5.8	0.1	<0.05	1	1.1	<0.2
1180426	Soil Pulp	7	0.62	254	0.001	2	0.40	0.003	0.08	<0.1	0.80	3.7	<0.1	0.07	1	0.8	<0.2
1180636	Soil Pulp	8	0.11	115	0.004	2	0.41	0.003	0.22	<0.1	0.03	2.7	0.1	<0.05	2	0.6	<0.2
1181543	Soil Pulp	11	0.22	72	0.001	2	0.43	0.003	0.06	<0.1	0.53	7.5	<0.1	<0.05	1	1.0	0.2
1181544	Soil Pulp	16	0.24	497	0.004	<1	0.88	0.004	0.07	0.1	0.16	4.1	<0.1	<0.05	3	0.6	<0.2
1181545	Soil Pulp	33	0.36	153	0.002	<1	1.03	0.004	0.06	<0.1	0.08	6.4	<0.1	<0.05	5	0.5	<0.2
1181546	Soil Pulp	14	0.18	166	0.003	1	0.71	0.004	0.06	<0.1	0.13	5.7	<0.1	<0.05	2	0.9	<0.2
1181547	Soil Pulp	16	0.13	798	0.003	4	0.89	0.003	0.09	<0.1	0.17	2.2	0.1	<0.05	5	0.6	<0.2
1181548	Soil Pulp	9	0.71	605	0.003	4	0.48	0.004	0.08	<0.1	2.71	4.7	0.2	0.10	1	0.7	<0.2
1181549	Soil Pulp	27	0.12	89	0.003	1	0.79	0.003	0.05	<0.1	0.29	4.8	<0.1	<0.05	4	0.6	<0.2
1181550	Soil Pulp	12	0.07	35	<0.001	2	0.74	0.003	0.06	<0.1	0.25	9.3	0.1	<0.05	2	0.7	<0.2
1181551	Soil Pulp	13	0.22	227	0.006	2	0.88	0.005	0.06	<0.1	0.72	2.4	<0.1	<0.05	4	<0.5	<0.2
1181552	Soil Pulp	13	0.27	231	0.006	2	0.79	0.004	0.05	<0.1	9.52	4.1	0.1	0.08	3	1.0	<0.2
1181553	Soil Pulp	11	0.06	671	0.014	2	0.59	0.003	0.05	0.1	0.08	1.0	<0.1	<0.05	5	<0.5	<0.2
1181554	Soil Pulp	7	0.06	189	<0.001	2	0.38	0.002	0.07	<0.1	0.41	3.7	<0.1	<0.05	1	1.0	<0.2
1181555	Soil Pulp	27	0.56	72	0.006	3	1.77	0.004	0.07	<0.1	0.05	2.2	<0.1	<0.05	6	0.5	<0.2
1181556	Soil Pulp	16	0.17	77	0.006	2	0.93	0.004	0.08	<0.1	0.04	0.7	<0.1	<0.05	5	0.7	<0.2
1181557	Soil Pulp	7	0.22	84	0.001	6	0.43	0.004	0.07	<0.1	0.42	3.9	<0.1	<0.05	1	1.0	<0.2
1181558	Soil Pulp	22	0.33	144	0.009	2	1.21	0.004	0.09	<0.1	0.06	1.5	0.1	<0.05	5	0.6	<0.2
1181559	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181560	Soil Pulp	15	0.31	76	0.004	2	0.74	0.004	0.05	<0.1	0.11	3.3	<0.1	<0.05	2	0.8	<0.2
1181562	Soil Pulp	32	0.31	258	0.007	1	1.18	0.006	0.07	<0.1	0.04	1.7	<0.1	<0.05	7	0.6	<0.2
1181563	Soil Pulp	14	0.15	281	0.004	2	0.87	0.003	0.10	<0.1	0.19	1.8	<0.1	<0.05	3	0.7	<0.2
1181564	Soil Pulp	23	0.27	69	0.012	3	1.27	0.003	0.10	<0.1	0.05	1.8	0.1	<0.05	6	0.8	<0.2
1181565	Soil Pulp	22	0.16	55	0.017	1	0.99	0.003	0.07	<0.1	0.03	1.0	0.1	<0.05	8	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181566	Soil Pulp	0.9	30.5	24.9	59	<0.1	14.7	11.2	913	3.46	5.6	<0.5	2.0	10	0.1	0.6	0.5	27	0.05	0.089
1181567	Soil Pulp	1.2	33.5	31.7	67	0.1	28.3	18.3	1927	4.65	28.8	1.3	3.3	19	0.2	1.9	0.5	18	1.77	0.068
1181568	Soil Pulp	1.0	12.9	22.5	227	<0.1	16.8	8.1	2533	6.05	14.9	1.6	1.3	14	0.6	1.0	0.3	43	0.60	0.161
1181569	Soil Pulp	1.1	19.3	19.3	123	<0.1	16.2	9.4	948	3.45	9.4	1.1	0.5	13	0.3	0.8	0.4	34	0.28	0.129
1181570	Soil Pulp	0.9	38.5	23.1	69	0.1	32.7	15.2	343	4.12	86.3	0.6	4.1	28	<0.1	1.4	0.6	15	0.38	0.049
1181571	Soil Pulp	0.9	20.2	16.1	81	<0.1	16.8	11.9	689	2.87	7.5	1.2	0.6	13	0.2	0.5	0.4	26	0.16	0.083
1181572	Soil Pulp	0.8	20.8	16.8	79	<0.1	19.9	7.2	423	2.74	13.5	0.8	1.6	24	0.2	0.4	0.3	23	0.49	0.066
1181574	Soil Pulp	0.6	30.4	15.1	69	<0.1	26.7	11.6	497	2.89	7.7	2.2	2.4	114	0.2	0.5	0.3	20	3.45	0.075
1181575	Soil Pulp	0.9	18.6	18.0	75	<0.1	18.3	8.0	356	2.75	11.6	0.7	0.4	6	0.2	0.5	0.3	27	0.05	0.071
1181576	Soil Pulp	1.0	18.7	16.1	64	0.2	13.3	6.7	295	2.26	8.3	1.4	0.2	6	0.1	0.6	0.2	31	0.01	0.082
1181577	Soil Pulp	1.1	20.9	20.8	63	<0.1	18.7	8.9	369	2.99	9.0	1.1	3.0	10	0.2	0.5	0.3	37	0.04	0.037
1181578	Soil Pulp	0.6	28.4	22.3	79	<0.1	25.4	13.9	468	3.22	10.9	1.6	2.2	20	0.1	0.3	0.4	10	0.30	0.062
1181579	Soil Pulp	0.5	28.1	14.5	52	0.1	17.8	8.1	331	1.64	6.9	3.7	2.5	552	0.3	0.4	0.1	10	14.46	0.059
1181580	Soil Pulp	1.0	39.3	19.0	90	0.1	30.6	12.2	271	2.64	14.0	2.5	2.5	39	0.2	0.7	0.3	16	1.34	0.062
1181581	Soil Pulp	0.6	42.4	8.0	55	<0.1	19.1	10.3	442	2.19	4.6	1.3	2.5	49	0.3	0.4	0.3	13	2.43	0.075
1181582	Soil Pulp	1.2	41.7	20.5	87	0.2	29.0	13.0	442	2.80	12.9	2.5	2.2	34	0.4	0.7	0.3	21	0.68	0.069
1181722	Soil Pulp	0.8	21.3	18.3	53	<0.1	16.3	8.2	369	2.70	10.4	1.5	1.8	42	0.2	0.5	0.3	22	0.70	0.049
1181723	Soil Pulp	0.6	41.3	25.3	84	0.2	32.2	16.5	383	3.38	20.6	1.4	3.5	18	<0.1	0.6	0.3	8	0.44	0.043
1181724	Soil Pulp	0.6	44.6	23.4	83	<0.1	37.4	15.4	301	3.12	16.6	1.2	4.3	31	<0.1	0.6	0.4	8	0.60	0.045
1181725	Soil Pulp	0.7	29.7	14.8	37	<0.1	21.1	9.3	239	1.88	15.9	3.3	2.2	312	0.1	0.6	0.2	8	8.32	0.071
1181726	Soil Pulp	1.1	45.3	16.0	52	0.1	26.1	11.5	344	2.18	11.4	4.8	5.4	158	0.3	0.6	0.2	10	6.73	0.087
1181727	Soil Pulp	1.4	57.4	29.6	85	<0.1	37.0	19.7	688	3.25	20.2	2.0	8.0	116	0.2	0.6	0.4	11	3.66	0.098
1181728	Soil Pulp	1.6	49.2	18.5	52	<0.1	24.8	11.8	335	2.28	14.9	2.5	6.1	231	0.3	0.7	0.3	9	9.01	0.079
1181729	Soil Pulp	1.7	32.7	17.0	69	<0.1	19.1	9.2	420	2.12	11.1	3.2	3.6	94	0.3	0.5	0.2	12	5.84	0.080
1181730	Soil Pulp	0.6	51.7	36.8	82	<0.1	33.7	21.1	860	4.44	27.9	<0.5	2.2	14	<0.1	0.6	0.9	15	0.19	0.061
1181731	Soil Pulp	0.2	12.4	23.6	31	<0.1	10.9	5.9	1070	1.84	39.7	<0.5	1.0	36	<0.1	0.8	0.1	3	11.16	0.075
1181732	Soil Pulp	3.4	321.6	23.8	53	0.2	36.2	43.9	2283	3.02	52.4	1.7	3.4	16	<0.1	0.8	0.6	16	0.44	0.063
1181733	Soil Pulp	0.7	41.5	26.6	75	<0.1	25.0	19.6	1299	3.31	10.4	1.0	3.3	16	<0.1	0.4	0.5	11	0.38	0.062
1181734	Soil Pulp	0.8	32.6	24.8	57	0.1	17.3	17.0	759	2.61	8.7	0.8	1.9	16	<0.1	0.4	0.3	13	0.32	0.076
1181735	Soil Pulp	0.7	52.2	30.1	64	<0.1	27.0	18.1	898	3.32	12.6	1.1	3.5	16	<0.1	0.3	0.4	10	0.22	0.050



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181566	Soil Pulp	16	0.17	79	0.005	1	1.16	0.003	0.18	<0.1	0.06	1.3	0.1	<0.05	5	0.5	<0.2
1181567	Soil Pulp	10	0.85	425	0.002	4	0.70	0.004	0.10	<0.1	0.26	4.9	0.1	<0.05	2	0.8	<0.2
1181568	Soil Pulp	26	0.37	243	0.010	2	1.72	0.003	0.06	<0.1	0.19	2.7	0.2	<0.05	4	1.1	<0.2
1181569	Soil Pulp	19	0.22	286	0.006	2	1.20	0.004	0.10	<0.1	0.04	1.0	0.1	<0.05	4	0.7	<0.2
1181570	Soil Pulp	12	0.19	191	0.001	1	0.58	0.003	0.06	<0.1	0.75	3.6	<0.1	<0.05	2	<0.5	<0.2
1181571	Soil Pulp	18	0.23	158	0.006	2	1.00	0.003	0.12	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1181572	Soil Pulp	13	0.18	130	0.003	<1	0.80	0.002	0.04	0.1	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1181574	Soil Pulp	15	0.34	104	0.003	2	0.62	0.003	0.06	<0.1	0.04	3.5	<0.1	<0.05	2	<0.5	<0.2
1181575	Soil Pulp	13	0.13	88	0.003	<1	0.83	0.002	0.05	<0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
1181576	Soil Pulp	14	0.13	61	0.005	<1	0.67	0.002	0.05	<0.1	0.05	0.3	<0.1	<0.05	3	<0.5	<0.2
1181577	Soil Pulp	17	0.22	60	0.003	<1	1.19	0.002	0.07	<0.1	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1181578	Soil Pulp	8	0.08	45	<0.001	2	0.34	0.001	0.07	<0.1	0.31	2.7	<0.1	<0.05	1	<0.5	<0.2
1181579	Soil Pulp	9	0.58	71	0.002	2	0.48	0.003	0.06	<0.1	0.05	2.5	<0.1	<0.05	1	0.6	<0.2
1181580	Soil Pulp	12	0.30	118	0.002	2	0.49	0.003	0.07	<0.1	0.07	3.6	<0.1	<0.05	1	0.6	<0.2
1181581	Soil Pulp	7	1.06	113	0.001	3	0.36	0.004	0.09	<0.1	0.03	4.3	<0.1	<0.05	<1	0.6	<0.2
1181582	Soil Pulp	13	0.20	124	0.003	2	0.65	0.003	0.06	<0.1	0.09	3.8	<0.1	<0.05	2	<0.5	<0.2
1181722	Soil Pulp	12	0.14	130	0.003	1	0.83	0.004	0.06	<0.1	0.06	2.2	<0.1	<0.05	3	0.6	<0.2
1181723	Soil Pulp	7	0.17	51	<0.001	1	0.42	0.003	0.08	<0.1	0.12	4.7	<0.1	<0.05	1	<0.5	<0.2
1181724	Soil Pulp	10	0.24	43	<0.001	1	0.53	0.003	0.10	<0.1	0.10	4.5	<0.1	<0.05	1	<0.5	<0.2
1181725	Soil Pulp	8	1.40	36	0.001	2	0.27	0.005	0.06	<0.1	0.14	2.9	<0.1	<0.05	<1	0.8	<0.2
1181726	Soil Pulp	8	2.70	37	0.001	3	0.31	0.006	0.07	<0.1	0.08	4.4	<0.1	<0.05	<1	1.0	<0.2
1181727	Soil Pulp	12	1.27	93	0.002	3	0.75	0.005	0.07	<0.1	0.08	5.3	<0.1	<0.05	2	<0.5	<0.2
1181728	Soil Pulp	7	2.55	35	0.001	2	0.33	0.007	0.05	<0.1	0.06	4.6	<0.1	<0.05	<1	0.8	<0.2
1181729	Soil Pulp	7	2.80	42	0.001	2	0.28	0.007	0.06	<0.1	0.07	4.0	<0.1	<0.05	<1	0.8	<0.2
1181730	Soil Pulp	11	0.21	116	0.002	1	0.78	0.002	0.09	<0.1	0.10	5.5	<0.1	<0.05	2	<0.5	<0.2
1181731	Soil Pulp	2	6.43	193	0.001	3	0.19	0.006	0.04	<0.1	0.09	1.3	<0.1	<0.05	<1	<0.5	<0.2
1181732	Soil Pulp	10	0.26	315	0.002	3	0.74	0.002	0.18	<0.1	0.06	5.8	<0.1	<0.05	2	<0.5	<0.2
1181733	Soil Pulp	8	0.13	251	<0.001	1	0.62	0.003	0.11	<0.1	0.05	3.2	<0.1	<0.05	2	<0.5	<0.2
1181734	Soil Pulp	9	0.14	247	0.002	2	0.51	0.004	0.10	<0.1	0.10	3.1	<0.1	<0.05	2	<0.5	<0.2
1181735	Soil Pulp	8	0.16	334	0.001	2	0.49	0.003	0.11	<0.1	0.07	4.3	<0.1	<0.05	1	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181736	Soil Pulp	0.6	35.1	41.6	64	<0.1	27.7	17.7	763	3.76	21.1	0.7	4.3	31	<0.1	0.5	0.4	10	1.72	0.089
1181737	Soil Pulp	0.7	71.5	47.4	61	<0.1	28.6	25.5	1339	3.23	7.8	1.2	3.5	16	<0.1	0.5	0.4	16	0.17	0.066
1181738	Soil Pulp	0.6	40.9	38.8	75	<0.1	29.9	29.6	1726	3.65	7.3	0.9	4.8	25	<0.1	0.4	0.5	20	0.18	0.072
1181739	Soil Pulp	0.6	75.0	39.6	60	<0.1	31.8	27.2	1025	3.20	12.3	1.1	4.6	16	<0.1	0.5	0.4	15	0.10	0.046
1181740	Soil Pulp	0.6	51.1	61.7	86	<0.1	33.7	29.7	1584	4.08	6.9	0.8	4.5	19	<0.1	0.5	0.5	20	0.09	0.055
1181741	Soil Pulp	0.7	44.9	37.3	77	<0.1	31.8	25.9	1320	3.95	2.9	1.1	4.0	19	<0.1	0.3	0.5	24	0.07	0.057
1181742	Soil Pulp	0.8	58.2	44.2	87	<0.1	36.0	27.1	1313	4.33	5.1	0.9	5.6	15	<0.1	0.3	0.7	24	0.05	0.035
1181743	Soil Pulp	1.4	21.8	21.0	53	<0.1	12.8	8.6	640	4.28	7.8	1.6	1.6	6	<0.1	0.7	0.4	43	0.03	0.065
1181744	Soil Pulp	0.8	24.3	19.0	62	<0.1	13.6	11.9	1054	3.66	6.9	0.8	3.0	6	<0.1	0.5	0.4	27	0.02	0.058
1181745	Soil Pulp	0.6	42.3	61.8	105	<0.1	38.7	28.9	1080	4.54	10.3	0.6	7.2	23	<0.1	0.3	0.7	26	0.07	0.032
1181746	Soil Pulp	0.5	63.0	47.1	106	<0.1	39.7	19.9	480	5.16	16.2	<0.5	7.4	104	<0.1	0.9	1.0	19	0.14	0.034
1181747	Soil Pulp	0.4	57.0	51.1	94	<0.1	41.7	35.1	1363	4.31	8.1	<0.5	7.0	31	<0.1	0.4	0.8	17	0.14	0.039
1181748	Soil Pulp	0.4	23.5	27.9	76	<0.1	21.6	11.7	481	2.19	13.8	<0.5	5.7	109	0.1	0.3	0.5	<2	3.33	0.041
1181749	Soil Pulp	0.5	29.5	49.5	155	<0.1	28.5	19.1	851	2.98	28.0	<0.5	4.5	29	0.1	1.4	0.5	<2	6.17	0.070
1181750	Soil Pulp	0.5	32.5	38.0	76	<0.1	32.0	16.3	640	2.92	17.2	<0.5	5.2	25	<0.1	0.8	0.5	<2	2.28	0.044
1181751	Soil Pulp	0.7	51.6	37.9	111	0.1	43.0	19.7	500	4.29	12.5	<0.5	6.0	33	<0.1	0.4	0.6	13	0.33	0.050
1181752	Soil Pulp	1.7	37.9	25.2	72	0.2	29.6	11.4	194	3.06	14.8	<0.5	3.8	56	0.1	0.6	0.5	12	0.77	0.106
1182108	Soil Pulp	0.2	4.5	1.9	8	<0.1	4.1	1.4	89	0.34	2.7	<0.5	0.3	167	<0.1	0.1	0.2	<2	26.37	0.010
1182109	Soil Pulp	1.0	26.8	10.4	46	<0.1	16.7	8.4	288	2.36	15.5	<0.5	0.5	8	0.2	0.8	0.3	35	0.24	0.038
1182110	Soil Pulp	1.4	26.3	11.6	54	<0.1	14.5	7.6	382	2.68	11.9	<0.5	0.5	16	0.2	1.0	0.4	62	0.28	0.044
1182111	Soil Pulp	0.5	47.6	15.2	110	<0.1	30.3	15.1	449	3.14	19.2	2.1	1.4	41	0.4	1.4	0.4	13	1.24	0.062
1182112	Soil Pulp	1.1	45.7	16.1	106	<0.1	32.0	17.5	605	3.80	24.6	<0.5	0.9	13	0.3	1.4	0.4	42	0.19	0.058
1182113	Soil Pulp	1.3	30.1	21.8	68	<0.1	22.9	14.7	341	3.59	30.5	0.6	2.3	30	0.2	1.6	0.4	24	0.44	0.070
1182114	Soil Pulp	1.6	11.6	8.1	28	<0.1	8.7	3.2	122	1.10	10.8	<0.5	0.1	6	<0.1	0.8	0.3	40	0.04	0.044
1182115	Soil Pulp	0.8	29.5	13.2	75	0.2	20.7	8.3	364	2.59	15.7	<0.5	1.0	76	0.3	0.5	0.6	24	1.38	0.127
1182117	Soil Pulp	1.4	26.8	12.4	81	<0.1	17.2	11.2	576	2.70	17.9	<0.5	0.4	11	0.2	0.8	0.4	38	0.10	0.100
1182118	Soil Pulp	1.4	32.2	18.9	70	0.1	19.7	10.0	507	3.45	19.7	<0.5	0.2	8	0.2	1.0	0.4	44	0.04	0.070
1182119	Soil Pulp	1.3	24.4	18.6	69	<0.1	19.3	9.8	357	3.49	16.0	<0.5	0.8	8	0.1	0.9	0.3	48	0.04	0.076
1182120	Soil Pulp	1.4	14.1	12.4	39	0.1	10.9	5.1	184	1.92	10.1	0.8	<0.1	7	<0.1	0.6	0.3	37	0.04	0.081
1182121	Soil Pulp	1.1	21.3	12.1	67	<0.1	16.7	8.9	480	2.46	15.2	<0.5	0.2	7	0.3	0.6	0.4	36	0.04	0.069



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181736	Soil Pulp	9	0.73	290	<0.001	5	0.62	0.005	0.15	<0.1	0.12	3.9	0.1	<0.05	2	<0.5	<0.2
1181737	Soil Pulp	19	0.32	109	0.003	3	1.32	0.004	0.15	<0.1	0.06	3.0	0.1	<0.05	4	<0.5	<0.2
1181738	Soil Pulp	26	0.39	78	0.004	2	1.45	0.004	0.16	<0.1	0.06	3.0	0.1	<0.05	5	<0.5	<0.2
1181739	Soil Pulp	18	0.32	147	0.003	2	1.17	0.004	0.17	<0.1	0.02	3.2	0.1	<0.05	4	<0.5	<0.2
1181740	Soil Pulp	27	0.56	74	0.004	<1	1.72	0.004	0.11	<0.1	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
1181741	Soil Pulp	28	0.53	121	0.005	1	1.68	0.005	0.09	<0.1	0.05	4.7	<0.1	<0.05	5	<0.5	<0.2
1181742	Soil Pulp	29	0.64	86	0.004	<1	1.81	0.003	0.06	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1181743	Soil Pulp	22	0.19	55	0.009	<1	1.23	0.003	0.07	0.1	0.05	1.7	0.1	<0.05	7	<0.5	<0.2
1181744	Soil Pulp	21	0.19	60	0.003	1	1.15	0.002	0.11	<0.1	0.06	1.7	<0.1	<0.05	5	<0.5	<0.2
1181745	Soil Pulp	36	0.74	52	0.004	1	1.96	0.005	0.06	<0.1	0.02	4.7	<0.1	<0.05	8	<0.5	<0.2
1181746	Soil Pulp	37	0.90	90	0.003	2	2.37	0.013	0.07	<0.1	<0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
1181747	Soil Pulp	30	0.71	80	0.005	1	1.81	0.004	0.13	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1181748	Soil Pulp	4	0.66	236	0.001	2	0.32	0.003	0.09	<0.1	0.16	2.3	<0.1	0.07	<1	<0.5	<0.2
1181749	Soil Pulp	5	3.18	144	<0.001	2	0.31	0.006	0.08	<0.1	0.17	3.4	0.1	0.13	<1	<0.5	<0.2
1181750	Soil Pulp	6	1.13	60	0.002	3	0.45	0.003	0.06	<0.1	0.26	3.4	<0.1	0.17	1	<0.5	<0.2
1181751	Soil Pulp	21	0.56	70	0.002	3	1.31	0.005	0.08	<0.1	0.06	5.9	<0.1	<0.05	4	<0.5	<0.2
1181752	Soil Pulp	13	0.48	83	0.003	3	0.96	0.004	0.08	<0.1	0.07	4.8	<0.1	0.07	3	<0.5	<0.2
1182108	Soil Pulp	2	0.52	71	0.001	2	0.10	0.002	0.02	<0.1	0.03	0.6	<0.1	0.26	<1	<0.5	<0.2
1182109	Soil Pulp	16	0.15	93	0.008	3	0.69	0.003	0.05	<0.1	0.02	1.6	<0.1	0.10	3	<0.5	<0.2
1182110	Soil Pulp	21	0.23	134	0.028	<1	0.98	0.005	0.07	0.2	0.01	1.5	<0.1	0.11	6	<0.5	<0.2
1182111	Soil Pulp	15	0.43	81	0.006	1	0.67	0.008	0.08	<0.1	0.11	3.7	<0.1	0.15	2	<0.5	<0.2
1182112	Soil Pulp	25	0.37	116	0.008	2	1.16	0.004	0.06	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1182113	Soil Pulp	18	0.32	115	0.007	2	0.94	0.009	0.09	<0.1	0.09	5.1	<0.1	0.07	3	<0.5	<0.2
1182114	Soil Pulp	10	0.05	46	0.005	<1	0.55	0.004	0.05	<0.1	0.04	0.2	0.1	<0.05	5	<0.5	<0.2
1182115	Soil Pulp	15	0.29	215	0.005	<1	0.95	0.008	0.05	<0.1	0.08	1.9	<0.1	0.16	3	0.7	<0.2
1182117	Soil Pulp	15	0.11	101	0.005	3	0.89	0.004	0.06	<0.1	0.04	0.9	0.1	0.09	4	<0.5	<0.2
1182118	Soil Pulp	18	0.16	73	0.007	<1	0.91	0.003	0.06	<0.1	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2
1182119	Soil Pulp	23	0.21	81	0.017	1	1.07	0.003	0.06	0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1182120	Soil Pulp	13	0.09	64	0.004	<1	0.71	0.004	0.05	<0.1	0.05	<0.1	<0.1	<0.05	4	0.8	<0.2
1182121	Soil Pulp	16	0.19	85	0.004	<1	0.88	0.003	0.05	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1182122	Soil Pulp	1.3	14.8	14.6	57	0.2	13.1	6.7	475	2.55	11.9	<0.5	0.2	7	0.1	0.4	0.4	54	0.04	0.086
1182123	Soil Pulp	1.0	13.5	14.9	93	<0.1	16.0	8.3	215	2.86	16.4	<0.5	0.7	11	<0.1	0.5	0.3	22	0.16	0.049
1182125	Soil Pulp	1.0	20.4	10.0	57	0.2	15.7	8.2	653	2.12	15.5	<0.5	0.3	9	<0.1	0.3	0.3	40	0.06	0.116
1182126	Soil Pulp	0.7	28.7	18.6	105	0.2	25.3	9.9	212	3.00	21.3	<0.5	2.5	34	0.2	0.7	0.4	13	0.74	0.078
1182128	Soil Pulp	1.2	19.5	15.0	83	<0.1	17.9	8.7	642	2.62	11.9	<0.5	0.9	34	0.2	0.4	0.4	43	0.55	0.243
1182129	Soil Pulp	0.9	14.7	10.6	56	<0.1	12.5	5.2	147	2.38	16.0	<0.5	0.9	18	<0.1	0.4	0.3	20	0.25	0.081
1182130	Soil Pulp	0.6	9.8	8.3	33	<0.1	8.2	3.8	145	1.56	10.5	<0.5	0.6	18	<0.1	0.3	0.2	20	0.28	0.115
1182131	Soil Pulp	1.0	29.0	19.7	92	<0.1	27.3	11.7	370	3.36	15.4	<0.5	1.5	20	0.2	0.5	0.4	27	0.22	0.092
1182132	Soil Pulp	1.4	15.5	10.8	49	<0.1	11.3	5.0	306	1.86	7.1	0.6	0.3	11	0.1	0.5	0.3	42	0.08	0.097
1182133	Soil Pulp	1.3	18.3	16.3	66	<0.1	20.1	7.5	251	2.96	12.9	0.8	0.4	9	0.1	1.0	0.3	53	0.06	0.062
1182134	Soil Pulp	0.8	39.8	18.0	64	0.1	26.0	12.6	391	2.15	10.8	0.7	7.9	170	0.3	0.5	0.2	8	6.46	0.082
1182135	Soil Pulp	1.2	41.6	24.4	79	<0.1	32.4	18.1	566	3.20	18.2	<0.5	5.4	59	0.2	0.8	0.3	6	1.38	0.064
1182136	Soil Pulp	1.4	40.5	15.6	61	<0.1	27.3	11.8	274	2.38	6.9	1.1	7.0	130	0.3	0.5	0.2	3	5.23	0.090
1182138	Soil Pulp	0.7	55.6	28.2	103	0.1	45.6	19.1	380	3.65	9.9	1.2	5.7	27	<0.1	0.6	0.4	4	0.45	0.063
1182139	Soil Pulp	0.9	43.4	32.7	85	0.1	36.9	17.9	331	3.75	17.5	0.6	3.5	29	<0.1	1.0	0.4	5	0.43	0.051
1182140	Soil Pulp	0.8	58.1	27.4	104	0.1	38.8	16.2	360	3.34	14.1	3.7	4.0	36	0.2	0.8	0.4	15	0.59	0.070
1182141	Soil Pulp	0.9	67.8	8.0	894	<0.1	149.2	76.1	1560	33.42	3.0	2.0	3.2	26	0.8	0.2	0.1	5	0.61	0.026
1182142	Soil Pulp	0.7	54.5	17.0	84	<0.1	25.8	12.3	365	2.69	7.5	3.4	7.4	66	0.4	0.5	0.3	13	3.52	0.092
1182143	Soil Pulp	0.7	46.4	18.0	81	<0.1	25.5	11.5	421	2.29	6.6	2.8	7.7	118	0.3	0.4	0.2	14	4.60	0.089
1182333	Soil Pulp	0.6	41.7	35.2	75	0.2	25.8	19.7	1051	3.60	7.8	0.8	2.9	12	<0.1	0.3	0.4	18	0.08	0.115
1182334	Soil Pulp	1.0	61.3	64.0	98	0.1	44.5	43.7	2179	4.08	14.7	4.1	4.8	29	<0.1	0.5	0.3	18	0.17	0.055
1182335	Soil Pulp	0.6	43.6	26.3	91	0.1	33.3	14.5	277	3.37	13.1	1.9	4.1	74	<0.1	0.6	0.4	10	1.16	0.073
1182336	Soil Pulp	1.4	43.2	22.3	81	0.1	32.4	14.5	223	2.62	20.5	2.3	4.1	462	0.2	0.6	0.3	7	8.45	0.125
1182337	Soil Pulp	1.6	42.3	14.5	61	0.2	20.9	12.0	389	1.80	9.4	4.1	4.5	94	0.4	1.0	0.2	14	5.97	0.071
1182338	Soil Pulp	0.8	39.3	14.3	49	0.1	17.9	9.1	400	1.75	7.3	4.8	4.3	176	0.4	0.5	0.2	12	9.01	0.087
1182339	Soil Pulp	0.7	34.9	16.2	84	<0.1	24.0	11.4	396	2.26	5.8	5.4	5.0	149	0.4	0.5	0.2	14	6.64	0.097
1182340	Soil Pulp	0.9	45.7	16.5	80	0.1	23.7	9.5	453	2.66	2.7	1.2	4.2	28	0.4	0.3	0.2	27	0.92	0.096
1182341	Soil Pulp	0.7	46.0	43.3	87	<0.1	32.5	28.8	1789	3.69	12.8	0.9	2.6	12	<0.1	0.5	0.3	27	0.05	0.043
1182342	Soil Pulp	0.3	11.2	19.8	44	<0.1	24.2	10.7	304	1.94	2.5	<0.5	7.4	383	<0.1	<0.1	0.2	4	8.80	0.039
1182343	Soil Pulp	0.5	36.9	20.6	67	<0.1	31.9	16.4	692	3.40	14.2	<0.5	4.2	14	<0.1	0.5	0.5	15	0.13	0.026



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182122	Soil Pulp	20	0.17	88	0.005	<1	1.10	0.004	0.05	<0.1	0.04	0.2	0.1	<0.05	5	<0.5	<0.2
1182123	Soil Pulp	14	0.24	65	0.004	<1	0.84	0.003	0.07	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1182125	Soil Pulp	12	0.06	119	0.004	1	0.80	0.003	0.07	<0.1	0.03	0.5	0.1	<0.05	5	<0.5	<0.2
1182126	Soil Pulp	16	0.32	148	0.002	<1	0.86	0.005	0.08	<0.1	0.17	3.7	<0.1	<0.05	3	<0.5	<0.2
1182128	Soil Pulp	22	0.21	180	0.010	<1	1.15	0.004	0.06	<0.1	0.03	1.2	0.1	0.14	5	<0.5	<0.2
1182129	Soil Pulp	9	0.12	99	0.002	<1	0.68	0.003	0.06	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1182130	Soil Pulp	10	0.11	80	0.002	<1	0.67	0.004	0.08	<0.1	0.02	1.0	0.1	0.06	3	<0.5	<0.2
1182131	Soil Pulp	20	0.38	81	0.003	<1	1.17	0.004	0.08	<0.1	0.03	2.3	<0.1	<0.05	4	0.6	<0.2
1182132	Soil Pulp	12	0.08	96	0.005	<1	0.79	0.003	0.06	<0.1	0.03	0.5	0.1	<0.05	4	<0.5	<0.2
1182133	Soil Pulp	28	0.38	70	0.013	<1	1.41	0.005	0.06	0.1	0.03	1.0	0.1	<0.05	6	<0.5	<0.2
1182134	Soil Pulp	12	2.26	67	0.003	2	0.43	0.008	0.08	<0.1	0.10	3.5	<0.1	0.07	1	<0.5	<0.2
1182135	Soil Pulp	10	0.55	64	0.002	<1	0.56	0.003	0.06	<0.1	0.11	3.5	<0.1	0.11	2	<0.5	<0.2
1182136	Soil Pulp	9	1.67	67	0.003	1	0.33	0.007	0.08	<0.1	0.05	4.5	<0.1	0.09	<1	<0.5	<0.2
1182138	Soil Pulp	13	0.25	56	<0.001	<1	0.56	0.002	0.07	<0.1	0.08	4.3	<0.1	0.10	1	<0.5	<0.2
1182139	Soil Pulp	9	0.15	52	<0.001	3	0.42	0.003	0.07	<0.1	0.15	3.9	<0.1	0.12	1	<0.5	<0.2
1182140	Soil Pulp	14	0.35	81	0.001	3	0.66	0.003	0.09	<0.1	0.17	3.9	<0.1	<0.05	2	0.8	<0.2
1182141	Soil Pulp	8	0.45	84	0.002	1	0.68	0.004	0.05	<0.1	0.04	2.2	<0.1	<0.05	1	0.5	<0.2
1182142	Soil Pulp	11	1.79	125	0.002	4	0.42	0.006	0.09	<0.1	0.04	5.4	<0.1	<0.05	1	0.5	<0.2
1182143	Soil Pulp	15	2.09	97	0.003	3	0.70	0.006	0.10	<0.1	0.05	4.3	<0.1	<0.05	2	<0.5	<0.2
1182333	Soil Pulp	20	0.44	50	0.003	1	1.36	0.003	0.08	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
1182334	Soil Pulp	23	0.74	66	0.004	3	1.56	0.003	0.08	<0.1	0.04	3.9	0.1	<0.05	4	<0.5	<0.2
1182335	Soil Pulp	10	0.37	83	<0.001	3	0.74	0.002	0.08	<0.1	0.09	4.7	<0.1	<0.05	2	<0.5	<0.2
1182336	Soil Pulp	6	0.24	149	0.002	4	0.40	0.003	0.06	<0.1	0.28	3.1	<0.1	<0.05	1	0.6	<0.2
1182337	Soil Pulp	10	2.13	48	0.002	4	0.62	0.006	0.08	<0.1	0.03	3.5	0.1	<0.05	2	<0.5	<0.2
1182338	Soil Pulp	6	2.40	65	0.001	4	0.25	0.007	0.08	<0.1	0.03	3.6	<0.1	<0.05	<1	<0.5	<0.2
1182339	Soil Pulp	16	2.98	50	0.003	3	0.63	0.008	0.07	<0.1	0.09	3.6	<0.1	<0.05	2	0.9	<0.2
1182340	Soil Pulp	20	1.13	73	0.003	3	1.21	0.003	0.11	<0.1	0.03	4.1	<0.1	<0.05	3	<0.5	<0.2
1182341	Soil Pulp	24	0.63	65	0.006	1	1.53	0.003	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1182342	Soil Pulp	4	0.15	48	<0.001	2	0.27	0.003	0.07	<0.1	0.10	2.7	<0.1	<0.05	<1	<0.5	<0.2
1182343	Soil Pulp	13	0.28	58	<0.001	<1	0.88	0.002	0.05	<0.1	0.04	4.9	<0.1	<0.05	2	<0.5	<0.2



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Client: **Carlin Gold Corporation**
320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: August 01, 2011

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CERTIFICATE OF ANALYSIS

VAN11003364.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1182344	Soil Pulp	0.6	29.2	18.7	72	<0.1	20.6	16.0	1023	3.08	5.7	<0.5	1.4	7	<0.1	0.3	0.4	15	0.02	0.053
1182345	Soil Pulp	0.7	33.1	21.5	75	0.1	31.3	12.6	233	2.64	18.5	<0.5	6.7	364	<0.1	0.3	0.3	14	9.92	0.043
1182346	Soil Pulp	0.5	46.5	38.4	119	0.2	35.4	19.2	958	3.60	20.0	<0.5	5.3	60	<0.1	0.4	0.5	14	0.52	0.062
1182347	Soil Pulp	0.5	40.2	28.6	91	<0.1	34.8	18.6	1107	3.79	4.5	<0.5	2.6	14	<0.1	0.2	0.4	24	0.05	0.070
1182348	Soil Pulp	1.0	46.0	36.5	98	<0.1	34.0	19.4	1107	3.87	15.9	0.8	4.5	28	0.1	0.6	0.4	28	0.31	0.066
1182349	Soil Pulp	0.6	49.0	22.4	91	<0.1	40.4	19.7	345	3.19	10.7	<0.5	9.5	208	<0.1	0.5	0.3	10	7.65	0.208
1182350	Soil Pulp	0.9	59.9	20.9	93	0.2	33.8	14.4	422	2.71	8.0	10.1	7.6	106	0.4	0.8	0.4	15	5.18	0.100
1182351	Soil Pulp	0.4	37.1	13.5	65	<0.1	19.8	9.2	318	1.93	12.0	2.2	5.4	126	0.2	0.5	0.2	10	7.72	0.072
1182352	Soil Pulp	0.4	34.7	12.7	40	<0.1	28.2	11.5	246	2.05	19.9	2.7	8.2	217	<0.1	0.7	0.3	8	9.78	0.101
1182353	Soil Pulp	0.4	35.0	8.2	50	<0.1	33.0	13.0	370	2.14	25.9	1.2	7.2	129	0.2	0.7	0.3	6	8.91	0.082
1182354	Soil Pulp	0.8	51.8	32.0	79	0.2	30.7	11.9	322	4.48	14.0	2.8	4.0	55	<0.1	0.5	0.5	8	0.59	0.064
1182355	Soil Pulp	0.5	39.0	22.7	76	<0.1	23.7	12.7	405	2.99	7.4	1.1	1.9	12	<0.1	0.3	0.4	13	0.05	0.060
1182356	Soil Pulp	0.2	21.8	13.2	75	<0.1	38.6	12.6	294	2.32	2.8	<0.5	6.1	161	0.1	0.2	0.3	9	7.59	0.066
1182357	Soil Pulp	1.1	31.6	12.7	29	0.2	22.7	9.4	303	2.08	18.4	12.6	4.1	530	0.1	1.1	0.1	14	14.37	0.104
1182358	Soil Pulp	2.5	44.5	12.7	52	0.2	22.8	10.6	442	2.49	11.5	5.1	2.1	87	0.4	0.6	0.2	16	4.94	0.100
1182359	Soil Pulp	0.8	38.7	14.2	49	<0.1	25.3	11.9	368	2.18	14.5	1.8	5.4	108	0.3	0.6	0.3	10	6.45	0.095
1182360	Soil Pulp	0.6	39.9	17.0	62	<0.1	29.4	13.8	397	2.64	11.1	<0.5	5.1	45	0.2	0.5	0.3	11	2.45	0.088
1182361	Soil Pulp	0.5	45.1	20.2	78	0.1	37.0	13.8	261	3.38	20.7	2.4	3.1	28	<0.1	0.9	0.4	8	0.58	0.058
1182362	Soil Pulp	1.3	32.8	19.1	88	0.2	26.2	12.2	767	3.65	20.5	2.1	2.0	138	0.9	0.9	0.2	27	2.25	0.067
1184167	Soil Pulp	0.9	144.5	13.5	60	<0.1	54.2	34.1	1132	5.80	52.1	2.8	1.8	6	0.1	1.6	0.2	57	0.26	0.071
1184168	Soil Pulp	0.8	105.7	12.6	112	0.2	38.9	25.9	1425	5.27	26.3	2.2	0.4	9	0.7	1.0	0.2	89	0.19	0.086
1184169	Soil Pulp	0.9	98.7	9.7	70	0.2	41.7	30.8	1786	6.58	28.1	2.1	0.2	14	0.3	0.7	0.2	173	0.46	0.116
1184170	Soil Pulp	1.9	120.5	13.4	48	0.2	37.5	21.5	540	5.36	32.3	1.1	0.4	11	0.2	1.6	0.2	49	0.29	0.096
1184171	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1184174	Soil Pulp	0.8	132.3	18.6	110	0.1	54.3	28.0	2088	8.81	46.1	4.0	2.3	8	0.3	1.4	0.2	66	0.19	0.082
1184175	Soil Pulp	0.5	132.9	9.6	67	0.1	47.0	26.1	746	5.45	58.4	5.5	0.7	16	0.2	1.1	0.1	46	0.89	0.101
1184176	Soil Pulp	1.2	101.7	42.1	132	0.3	50.5	28.1	1114	5.76	56.9	3.7	2.5	23	0.4	3.4	0.3	34	0.55	0.065
1184178	Soil Pulp	3.6	57.4	24.0	31	0.2	39.6	19.6	445	3.70	32.7	2.6	0.9	7	<0.1	4.6	0.3	24	0.01	0.048
1184180	Soil Pulp	0.9	15.2	12.9	45	<0.1	14.0	5.8	244	2.48	23.4	<0.5	0.7	36	<0.1	0.4	0.2	32	0.40	0.074
1184182	Soil Pulp	0.8	25.4	22.9	66	<0.1	21.5	9.7	598	2.85	9.0	1.7	2.2	32	0.2	0.4	0.2	19	0.80	0.063



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182344	Soil Pulp	11	0.17	47	0.002	1	0.73	0.002	0.05	<0.1	0.03	3.0	<0.1	<0.05	2	<0.5	<0.2
1182345	Soil Pulp	15	0.40	36	0.001	2	0.76	0.004	0.05	<0.1	0.06	4.5	<0.1	<0.05	2	<0.5	<0.2
1182346	Soil Pulp	12	0.31	43	0.002	2	0.85	0.003	0.06	<0.1	0.03	5.9	<0.1	<0.05	3	<0.5	<0.2
1182347	Soil Pulp	27	0.63	105	0.002	3	1.74	0.003	0.07	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
1182348	Soil Pulp	25	0.78	182	0.003	2	1.80	0.003	0.09	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
1182349	Soil Pulp	12	1.19	74	0.002	3	0.86	0.003	0.12	<0.1	0.10	4.8	<0.1	<0.05	3	<0.5	<0.2
1182350	Soil Pulp	8	1.95	60	0.001	3	0.34	0.006	0.10	<0.1	0.05	4.6	<0.1	<0.05	<1	0.6	<0.2
1182351	Soil Pulp	9	3.25	21	<0.001	4	0.27	0.008	0.07	<0.1	0.02	4.9	<0.1	<0.05	<1	1.6	<0.2
1182352	Soil Pulp	10	1.62	29	<0.001	1	0.29	0.004	0.06	<0.1	0.03	5.3	<0.1	<0.05	<1	<0.5	<0.2
1182353	Soil Pulp	6	0.97	33	<0.001	2	0.19	0.003	0.08	<0.1	0.02	6.0	<0.1	<0.05	<1	<0.5	<0.2
1182354	Soil Pulp	7	0.10	79	<0.001	3	0.48	0.004	0.16	<0.1	0.21	3.4	0.1	0.18	1	0.6	<0.2
1182355	Soil Pulp	11	0.15	62	0.001	<1	0.61	0.002	0.08	<0.1	0.07	2.0	<0.1	<0.05	2	<0.5	<0.2
1182356	Soil Pulp	12	1.04	22	0.002	2	0.57	0.003	0.06	<0.1	0.03	4.7	<0.1	<0.05	2	<0.5	<0.2
1182357	Soil Pulp	10	2.28	38	0.001	2	0.23	0.007	0.06	<0.1	0.25	3.3	<0.1	<0.05	<1	0.8	<0.2
1182358	Soil Pulp	9	1.89	46	0.002	3	0.41	0.006	0.08	<0.1	0.08	3.5	0.1	0.08	<1	<0.5	<0.2
1182359	Soil Pulp	10	3.11	31	<0.001	3	0.34	0.008	0.08	<0.1	0.07	5.3	<0.1	0.06	<1	1.1	<0.2
1182360	Soil Pulp	11	1.31	49	0.001	1	0.47	0.005	0.09	<0.1	0.03	4.9	<0.1	<0.05	1	0.6	<0.2
1182361	Soil Pulp	8	0.11	56	<0.001	4	0.52	0.002	0.07	<0.1	0.13	4.8	<0.1	<0.05	1	<0.5	<0.2
1182362	Soil Pulp	17	0.36	93	0.003	2	0.81	0.002	0.05	<0.1	0.17	4.3	<0.1	<0.05	2	0.9	<0.2
1184167	Soil Pulp	36	0.43	71	0.002	1	1.24	0.003	0.07	<0.1	0.06	11.0	<0.1	<0.05	4	<0.5	<0.2
1184168	Soil Pulp	43	0.50	150	0.014	2	1.41	0.005	0.10	<0.1	0.06	3.8	<0.1	<0.05	5	<0.5	<0.2
1184169	Soil Pulp	69	0.62	127	0.008	3	1.54	0.005	0.07	<0.1	0.05	3.6	<0.1	<0.05	8	<0.5	<0.2
1184170	Soil Pulp	23	0.32	71	0.004	2	1.20	0.004	0.07	0.2	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
1184171	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1184174	Soil Pulp	38	0.39	115	0.003	2	1.30	0.004	0.06	<0.1	0.14	13.7	<0.1	<0.05	4	0.8	<0.2
1184175	Soil Pulp	30	0.39	66	0.002	4	0.91	0.008	0.09	<0.1	0.10	12.6	<0.1	<0.05	3	0.6	<0.2
1184176	Soil Pulp	20	0.25	105	0.002	3	0.76	0.004	0.09	<0.1	0.45	8.4	<0.1	<0.05	2	1.0	<0.2
1184178	Soil Pulp	8	0.05	32	0.002	3	0.53	0.002	0.08	<0.1	0.13	4.2	0.1	<0.05	2	0.6	<0.2
1184180	Soil Pulp	16	0.36	96	0.003	<1	1.02	0.004	0.06	<0.1	0.04	1.3	0.1	<0.05	4	<0.5	<0.2
1184182	Soil Pulp	14	0.26	188	0.002	2	0.89	0.004	0.07	<0.1	0.07	3.2	<0.1	<0.05	3	0.6	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1184183	Soil Pulp	2.9	49.2	22.9	86	0.3	28.7	13.0	448	2.87	17.5	2.9	5.1	55	0.5	0.7	0.3	16	3.45	0.096
1184185	Soil Pulp	0.7	35.6	27.2	64	0.1	27.9	12.3	392	3.22	14.9	1.5	2.2	42	0.2	0.4	0.3	16	1.11	0.069
1184189	Soil Pulp	0.5	47.5	75.1	311	<0.1	35.2	19.4	481	3.61	19.3	1.1	2.9	26	0.2	0.9	0.4	10	1.63	0.100
1184190	Soil Pulp	0.5	35.3	18.8	64	0.1	21.6	9.6	282	2.41	6.5	<0.5	2.4	31	<0.1	0.3	0.3	12	1.43	0.072
1184191	Soil Pulp	0.9	51.5	51.1	77	<0.1	36.9	25.6	1468	5.21	11.5	<0.5	4.6	22	<0.1	0.4	0.5	16	0.11	0.057
1184192	Soil Pulp	0.9	52.6	36.1	79	<0.1	39.2	25.9	1386	4.19	9.0	1.2	4.3	20	<0.1	0.5	0.4	21	0.14	0.054
1184193	Soil Pulp	1.3	25.0	40.3	74	<0.1	19.4	17.9	2093	3.79	10.6	<0.5	0.8	7	<0.1	0.4	0.3	31	0.05	0.090
1184194	Soil Pulp	0.9	28.2	31.1	82	<0.1	23.8	14.5	616	3.96	12.9	1.5	4.8	11	0.2	0.4	0.4	32	0.05	0.045
1185531	Soil Pulp	0.9	47.3	23.4	62	0.2	38.6	17.4	3459	20.68	47.1	7.1	2.0	29	0.4	1.5	0.2	28	1.03	0.087
1185532	Soil Pulp	0.9	342.1	7.0	51	0.2	93.8	42.8	2069	10.99	36.5	2.0	0.9	8	0.2	0.7	<0.1	86	0.47	0.050
1185533	Soil Pulp	0.9	193.4	15.0	92	0.3	61.7	34.5	1203	8.71	40.0	4.4	1.7	11	0.3	0.9	0.1	92	0.48	0.092
1185534	Soil Pulp	0.9	38.7	18.1	58	0.2	31.6	14.2	2246	12.26	38.7	2.4	1.6	19	0.3	1.4	0.2	30	0.65	0.060
1186123	Soil Pulp	0.8	32.3	32.1	89	<0.1	27.9	16.7	470	3.55	7.8	0.7	1.5	9	0.1	0.4	0.3	31	0.09	0.073
1186124	Soil Pulp	0.8	56.7	44.7	107	0.2	46.3	18.8	349	4.05	18.6	<0.5	7.2	19	<0.1	0.4	0.4	11	0.33	0.050
1186125	Soil Pulp	0.9	26.3	46.7	98	0.1	31.3	16.0	648	3.97	27.7	1.1	5.0	11	<0.1	0.7	0.3	18	0.24	0.058
1186126	Soil Pulp	1.2	41.2	38.8	180	0.3	50.8	15.7	474	5.36	14.6	1.0	5.5	52	0.2	0.4	0.5	7	0.98	0.040
1186127	Soil Pulp	0.7	32.4	35.3	40	<0.1	25.1	17.1	739	3.40	16.6	<0.5	6.0	22	<0.1	0.5	0.5	8	0.15	0.044
1186128	Soil Pulp	8.1	27.7	74.3	39	<0.1	13.5	9.4	1890	3.57	53.9	<0.5	1.1	33	<0.1	1.2	0.2	9	8.35	0.061
1186129	Soil Pulp	0.5	39.8	21.4	65	<0.1	23.2	17.4	833	3.60	9.1	0.9	3.6	14	<0.1	0.3	0.4	12	0.10	0.046
1186130	Soil Pulp	1.0	27.2	22.5	50	0.1	15.0	13.2	1026	2.72	8.1	1.5	0.7	10	<0.1	0.5	0.3	21	0.06	0.077
1186131	Soil Pulp	1.1	33.9	56.9	63	<0.1	31.5	22.1	1020	4.96	3.8	1.2	3.8	13	<0.1	0.4	0.5	23	0.07	0.070
1186132	Soil Pulp	0.7	31.6	27.1	60	<0.1	15.5	13.5	566	2.72	7.3	1.0	2.2	20	<0.1	0.4	0.4	22	0.03	0.077
1186133	Soil Pulp	0.7	34.2	24.0	57	<0.1	30.5	16.7	353	3.66	1.5	1.3	2.0	7	<0.1	0.5	0.4	25	0.03	0.053
1186134	Soil Pulp	0.7	20.6	22.1	76	<0.1	17.0	12.1	502	2.61	5.3	1.3	2.4	14	<0.1	0.3	0.3	23	0.12	0.066
1186135	Soil Pulp	1.3	29.0	29.2	61	<0.1	26.8	17.7	1547	3.41	4.4	1.2	3.3	12	<0.1	0.5	0.3	19	0.25	0.073
1186136	Soil Pulp	0.5	25.2	49.4	21	<0.1	27.4	7.8	117	1.67	29.8	1.2	4.6	220	<0.1	1.4	0.3	7	1.83	0.180
1186137	Soil Pulp	0.2	10.9	37.9	61	<0.1	7.6	4.4	1136	1.63	14.2	<0.5	0.7	57	0.1	0.4	0.2	6	11.44	0.091
1186138	Soil Pulp	0.6	48.1	46.4	102	0.1	39.6	19.6	661	3.72	15.6	<0.5	6.1	77	<0.1	0.3	0.6	16	1.71	0.035
1186139	Soil Pulp	0.4	18.0	48.5	72	0.2	24.3	8.5	391	2.19	7.6	<0.5	6.3	179	<0.1	0.2	0.3	6	6.86	0.073
1186140	Soil Pulp	0.3	25.5	38.4	46	<0.1	32.0	30.4	990	3.89	11.5	<0.5	3.3	20	<0.1	0.5	0.7	10	1.35	0.081



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1184183	Soil Pulp	10	1.53	80	0.001	3	0.57	0.006	0.11	<0.1	0.14	5.4	<0.1	<0.05	1	0.7	<0.2
1184185	Soil Pulp	14	0.23	101	0.002	2	0.88	0.003	0.08	<0.1	0.17	3.7	<0.1	<0.05	2	<0.5	<0.2
1184189	Soil Pulp	8	0.35	975	0.001	7	0.53	0.005	0.14	<0.1	0.31	5.0	0.2	0.07	2	<0.5	<0.2
1184190	Soil Pulp	14	0.26	293	0.004	4	0.85	0.008	0.12	<0.1	0.07	2.6	0.1	0.07	3	0.6	<0.2
1184191	Soil Pulp	24	0.40	65	0.002	1	1.47	0.007	0.11	<0.1	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
1184192	Soil Pulp	21	0.38	102	0.005	2	1.26	0.007	0.10	<0.1	0.06	4.1	0.1	<0.05	4	<0.5	<0.2
1184193	Soil Pulp	26	0.34	129	0.005	<1	1.02	0.004	0.07	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1184194	Soil Pulp	24	0.30	70	0.004	1	1.46	0.005	0.08	<0.1	0.08	3.0	0.1	<0.05	6	0.5	<0.2
1185531	Soil Pulp	12	0.44	271	0.004	2	0.54	0.003	0.05	<0.1	0.30	4.2	<0.1	<0.05	2	0.7	<0.2
1185532	Soil Pulp	29	0.19	124	0.001	1	0.51	0.004	0.07	<0.1	0.08	19.2	<0.1	<0.05	2	0.5	<0.2
1185533	Soil Pulp	44	0.49	78	0.003	2	1.27	0.003	0.06	<0.1	0.15	21.3	<0.1	<0.05	4	0.7	<0.2
1185534	Soil Pulp	15	0.34	206	0.007	2	0.81	0.003	0.05	0.1	0.34	4.0	<0.1	<0.05	2	0.8	<0.2
1186123	Soil Pulp	30	0.46	87	0.005	2	1.59	0.004	0.08	<0.1	0.04	1.4	0.1	<0.05	6	<0.5	<0.2
1186124	Soil Pulp	10	0.13	44	<0.001	1	0.59	0.003	0.08	<0.1	0.10	5.1	<0.1	<0.05	2	0.5	<0.2
1186125	Soil Pulp	14	0.13	115	0.002	2	0.67	0.002	0.06	<0.1	0.07	5.3	<0.1	<0.05	2	<0.5	<0.2
1186126	Soil Pulp	6	0.13	109	<0.001	2	0.36	0.002	0.10	<0.1	0.53	4.9	0.2	0.19	1	1.4	<0.2
1186127	Soil Pulp	4	0.07	127	<0.001	2	0.34	0.003	0.12	<0.1	0.08	3.8	<0.1	0.07	1	<0.5	<0.2
1186128	Soil Pulp	5	4.91	208	<0.001	3	0.28	0.004	0.06	<0.1	0.24	3.6	<0.1	0.12	<1	<0.5	<0.2
1186129	Soil Pulp	9	0.14	125	0.001	2	0.63	0.002	0.09	<0.1	0.06	3.2	<0.1	<0.05	2	<0.5	<0.2
1186130	Soil Pulp	13	0.15	85	0.004	2	0.79	0.004	0.10	<0.1	0.08	0.9	<0.1	<0.05	4	<0.5	<0.2
1186131	Soil Pulp	25	0.44	79	0.005	2	1.65	0.004	0.11	<0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
1186132	Soil Pulp	17	0.22	128	0.004	2	1.22	0.003	0.20	<0.1	0.04	1.3	0.1	<0.05	5	<0.5	<0.2
1186133	Soil Pulp	22	0.38	82	0.011	2	1.11	0.003	0.11	<0.1	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1186134	Soil Pulp	19	0.26	150	0.004	3	1.15	0.003	0.20	<0.1	0.07	1.3	0.1	<0.05	5	<0.5	<0.2
1186135	Soil Pulp	15	0.28	178	0.006	3	1.03	0.002	0.15	<0.1	0.04	4.5	<0.1	<0.05	3	<0.5	<0.2
1186136	Soil Pulp	8	0.04	682	0.002	1	0.33	0.002	0.06	<0.1	0.21	1.3	<0.1	0.07	<1	<0.5	<0.2
1186137	Soil Pulp	5	6.44	310	0.002	4	0.20	0.009	0.03	<0.1	1.22	1.0	<0.1	0.13	<1	<0.5	<0.2
1186138	Soil Pulp	17	0.43	77	0.001	2	1.02	0.004	0.07	<0.1	0.04	3.4	<0.1	0.12	3	<0.5	<0.2
1186139	Soil Pulp	5	1.28	61	0.001	4	0.19	0.005	0.07	<0.1	0.24	2.4	0.1	0.13	<1	<0.5	<0.2
1186140	Soil Pulp	7	0.43	244	0.001	5	0.42	0.003	0.14	<0.1	0.15	5.1	0.1	0.19	1	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1186141	Soil Pulp	5.5	89.7	42.5	54	<0.1	40.0	25.7	483	3.37	12.7	<0.5	9.1	29	<0.1	0.8	0.5	8	0.10	0.034
1186142	Soil Pulp	0.7	28.4	54.1	27	<0.1	14.5	10.3	253	3.40	10.4	<0.5	7.9	90	<0.1	0.4	0.5	8	0.17	0.031
1186143	Soil Pulp	0.6	49.8	49.7	59	0.1	36.5	33.5	2524	4.75	13.9	1.2	5.2	33	<0.1	0.6	0.6	14	0.47	0.068
1186144	Soil Pulp	1.2	60.9	30.1	64	<0.1	27.4	16.5	658	3.07	9.0	0.5	5.9	18	<0.1	0.5	0.5	15	0.25	0.042
1186145	Soil Pulp	0.6	24.9	31.6	46	<0.1	18.9	10.7	320	2.70	7.4	0.8	5.5	26	<0.1	0.2	0.5	12	0.10	0.033
1186146	Soil Pulp	0.5	45.6	36.4	59	<0.1	31.1	22.4	1386	3.64	6.4	0.7	3.7	19	<0.1	0.3	0.6	16	0.23	0.061
1186147	Soil Pulp	0.7	56.8	56.2	46	0.1	27.3	27.6	2106	4.04	11.1	<0.5	5.7	33	<0.1	0.5	0.6	14	0.13	0.054
1186148	Soil Pulp	0.7	37.2	28.8	63	<0.1	29.8	17.8	877	3.61	5.3	<0.5	5.0	15	<0.1	0.3	0.5	20	0.06	0.036
1186149	Soil Pulp	0.6	35.4	31.3	81	<0.1	26.1	17.4	753	3.16	15.1	<0.5	4.4	35	<0.1	0.5	0.4	13	2.19	0.047
1186150	Soil Pulp	0.4	25.5	33.4	80	0.1	24.0	10.5	375	2.77	14.6	<0.5	4.2	29	<0.1	0.5	0.3	9	0.53	0.044
1186151	Soil Pulp	0.5	36.6	33.3	91	<0.1	33.5	18.5	530	3.32	13.7	<0.5	9.0	35	<0.1	0.3	0.4	13	0.22	0.042
1186152	Soil Pulp	0.6	51.8	59.2	112	<0.1	45.4	24.7	972	4.49	14.4	0.7	5.6	22	<0.1	0.4	0.5	23	0.16	0.039



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1186141	Soil Pulp	6	0.12	129	0.003	1	0.36	0.007	0.20	<0.1	0.04	3.6	0.1	0.40	1	<0.5	<0.2
1186142	Soil Pulp	10	0.13	81	0.002	5	0.58	0.016	0.39	<0.1	0.09	2.6	0.1	0.69	2	<0.5	<0.2
1186143	Soil Pulp	18	0.37	132	0.003	3	1.24	0.004	0.22	<0.1	0.07	4.1	0.1	0.18	4	<0.5	<0.2
1186144	Soil Pulp	12	0.19	130	0.005	2	0.72	0.004	0.18	<0.1	0.03	3.1	0.1	0.11	2	<0.5	<0.2
1186145	Soil Pulp	15	0.18	120	0.004	2	0.69	0.004	0.25	<0.1	0.02	2.1	0.1	0.19	3	<0.5	<0.2
1186146	Soil Pulp	21	0.31	111	0.003	3	1.10	0.003	0.16	<0.1	0.05	2.8	0.1	0.12	4	<0.5	<0.2
1186147	Soil Pulp	19	0.33	110	0.002	2	1.28	0.007	0.20	<0.1	0.04	3.8	0.2	0.19	4	<0.5	<0.2
1186148	Soil Pulp	24	0.44	82	0.005	2	1.34	0.004	0.12	<0.1	0.02	2.9	<0.1	0.08	5	<0.5	<0.2
1186149	Soil Pulp	9	1.00	310	0.004	2	0.49	0.003	0.08	<0.1	0.12	3.1	<0.1	0.08	2	<0.5	<0.2
1186150	Soil Pulp	9	0.15	69	<0.001	<1	0.54	0.002	0.05	<0.1	0.20	3.2	<0.1	0.09	2	<0.5	<0.2
1186151	Soil Pulp	15	0.41	63	0.002	1	0.86	0.004	0.08	<0.1	0.03	3.4	<0.1	0.06	3	<0.5	<0.2
1186152	Soil Pulp	31	0.77	71	0.006	2	1.83	0.004	0.06	<0.1	0.04	4.1	<0.1	0.07	6	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
1180423	Soil Pulp	0.9	35.8	33.8	122	0.1	30.1	15.4	460	3.46	17.2	1.5	2.7	40	0.7	1.3	0.4	15	0.49	0.049
REP 1180423	QC	0.9	36.3	33.0	123	0.1	31.5	15.4	450	3.55	17.2	0.9	2.7	40	0.9	1.3	0.4	15	0.49	0.049
1181569	Soil Pulp	1.1	19.3	19.3	123	<0.1	16.2	9.4	948	3.45	9.4	1.1	0.5	13	0.3	0.8	0.4	34	0.28	0.129
REP 1181569	QC	1.1	19.6	18.2	116	<0.1	16.1	9.2	880	3.30	8.8	<0.5	0.5	13	0.2	0.8	0.4	32	0.29	0.116
1181581	Soil Pulp	0.6	42.4	8.0	55	<0.1	19.1	10.3	442	2.19	4.6	1.3	2.5	49	0.3	0.4	0.3	13	2.43	0.075
REP 1181581	QC	0.7	43.3	8.6	57	<0.1	19.9	10.3	455	2.25	4.7	1.6	2.6	49	0.4	0.3	0.3	14	2.45	0.079
1181732	Soil Pulp	3.4	321.6	23.8	53	0.2	36.2	43.9	2283	3.02	52.4	1.7	3.4	16	<0.1	0.8	0.6	16	0.44	0.063
REP 1181732	QC	3.6	323.1	23.7	53	0.2	35.6	43.9	2313	3.06	53.7	0.8	3.4	16	<0.1	0.8	0.6	16	0.45	0.062
1181749	Soil Pulp	0.5	29.5	49.5	155	<0.1	28.5	19.1	851	2.98	28.0	<0.5	4.5	29	0.1	1.4	0.5	<2	6.17	0.070
REP 1181749	QC	0.5	28.7	48.1	155	<0.1	28.8	18.9	843	2.94	26.4	<0.5	4.3	30	0.2	1.2	0.4	<2	6.16	0.069
1182138	Soil Pulp	0.7	55.6	28.2	103	0.1	45.6	19.1	380	3.65	9.9	1.2	5.7	27	<0.1	0.6	0.4	4	0.45	0.063
REP 1182138	QC	0.8	58.3	29.0	108	0.1	46.3	19.8	407	3.79	11.8	0.8	5.8	28	0.1	0.5	0.5	6	0.44	0.063
1182142	Soil Pulp	0.7	54.5	17.0	84	<0.1	25.8	12.3	365	2.69	7.5	3.4	7.4	66	0.4	0.5	0.3	13	3.52	0.092
REP 1182142	QC	0.7	51.2	16.5	82	<0.1	25.1	11.9	348	2.55	7.3	3.4	7.3	63	0.4	0.5	0.3	12	3.32	0.087
1182357	Soil Pulp	1.1	31.6	12.7	29	0.2	22.7	9.4	303	2.08	18.4	12.6	4.1	530	0.1	1.1	0.1	14	14.37	0.104
REP 1182357	QC	1.1	33.7	13.4	31	0.2	22.8	10.0	314	2.16	19.6	13.6	4.4	569	0.1	1.1	0.1	14	15.42	0.110
1184168	Soil Pulp	0.8	105.7	12.6	112	0.2	38.9	25.9	1425	5.27	26.3	2.2	0.4	9	0.7	1.0	0.2	89	0.19	0.086
REP 1184168	QC	0.9	100.7	13.4	111	0.2	37.3	25.3	1429	5.14	25.7	1.2	0.4	8	0.7	1.0	0.2	88	0.18	0.080
1186125	Soil Pulp	0.9	26.3	46.7	98	0.1	31.3	16.0	648	3.97	27.7	1.1	5.0	11	<0.1	0.7	0.3	18	0.24	0.058
REP 1186125	QC	0.9	26.4	46.4	97	0.1	32.3	15.8	644	3.93	27.2	2.0	5.1	11	0.1	0.6	0.3	18	0.24	0.056
1186128	Soil Pulp	8.1	27.7	74.3	39	<0.1	13.5	9.4	1890	3.57	53.9	<0.5	1.1	33	<0.1	1.2	0.2	9	8.35	0.061
REP 1186128	QC	7.8	27.6	76.2	40	<0.1	13.4	9.7	1859	3.55	52.0	1.3	1.1	33	0.1	1.1	0.2	9	8.79	0.061
1186145	Soil Pulp	0.6	24.9	31.6	46	<0.1	18.9	10.7	320	2.70	7.4	0.8	5.5	26	<0.1	0.2	0.5	12	0.10	0.033
REP 1186145	QC	0.6	25.4	32.2	46	<0.1	19.3	11.2	309	2.70	7.2	<0.5	5.6	25	<0.1	0.2	0.5	13	0.10	0.034
Reference Materials																				
STD DS8	Standard	12.2	105.9	121.1	284	1.7	36.0	7.2	572	2.29	24.7	115.2	6.3	59	2.2	4.9	5.9	40	0.61	0.071
STD DS8	Standard	13.1	108.1	124.0	294	1.7	37.3	7.5	587	2.38	25.4	106.8	6.7	63	2.2	5.4	6.3	42	0.64	0.074
STD DS8	Standard	14.0	110.0	140.4	311	1.9	40.9	8.0	660	2.64	28.6	104.8	7.0	81	2.3	6.8	7.7	44	0.76	0.084



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1180423	Soil Pulp	12	0.34	132	0.002	2	0.86	0.003	0.06	<0.1	0.21	3.2	<0.1	<0.05	3	0.7	<0.2
REP 1180423	QC	13	0.35	131	0.002	2	0.87	0.003	0.07	<0.1	0.22	3.2	<0.1	<0.05	2	0.7	<0.2
1181569	Soil Pulp	19	0.22	286	0.006	2	1.20	0.004	0.10	<0.1	0.04	1.0	0.1	<0.05	4	0.7	<0.2
REP 1181569	QC	17	0.21	281	0.005	2	1.11	0.004	0.10	<0.1	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
1181581	Soil Pulp	7	1.06	113	0.001	3	0.36	0.004	0.09	<0.1	0.03	4.3	<0.1	<0.05	<1	0.6	<0.2
REP 1181581	QC	8	1.08	115	0.002	1	0.36	0.004	0.08	<0.1	0.02	4.3	<0.1	<0.05	<1	<0.5	<0.2
1181732	Soil Pulp	10	0.26	315	0.002	3	0.74	0.002	0.18	<0.1	0.06	5.8	<0.1	<0.05	2	<0.5	<0.2
REP 1181732	QC	10	0.26	316	0.002	4	0.72	0.002	0.18	<0.1	0.06	5.7	0.1	<0.05	2	<0.5	<0.2
1181749	Soil Pulp	5	3.18	144	<0.001	2	0.31	0.006	0.08	<0.1	0.17	3.4	0.1	0.13	<1	<0.5	<0.2
REP 1181749	QC	5	3.13	139	0.001	5	0.31	0.005	0.08	<0.1	0.16	3.5	0.1	0.16	<1	<0.5	<0.2
1182138	Soil Pulp	13	0.25	56	<0.001	<1	0.56	0.002	0.07	<0.1	0.08	4.3	<0.1	0.10	1	<0.5	<0.2
REP 1182138	QC	13	0.26	56	0.001	<1	0.59	0.002	0.07	<0.1	0.09	4.5	<0.1	0.09	2	1.0	<0.2
1182142	Soil Pulp	11	1.79	125	0.002	4	0.42	0.006	0.09	<0.1	0.04	5.4	<0.1	<0.05	1	0.5	<0.2
REP 1182142	QC	10	1.72	121	0.002	3	0.41	0.005	0.09	<0.1	0.05	5.0	<0.1	<0.05	1	0.7	<0.2
1182357	Soil Pulp	10	2.28	38	0.001	2	0.23	0.007	0.06	<0.1	0.25	3.3	<0.1	<0.05	<1	0.8	<0.2
REP 1182357	QC	10	2.43	41	<0.001	3	0.25	0.007	0.07	<0.1	0.25	3.7	<0.1	<0.05	<1	0.7	<0.2
1184168	Soil Pulp	43	0.50	150	0.014	2	1.41	0.005	0.10	<0.1	0.06	3.8	<0.1	<0.05	5	<0.5	<0.2
REP 1184168	QC	43	0.46	149	0.013	1	1.33	0.004	0.09	<0.1	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
1186125	Soil Pulp	14	0.13	115	0.002	2	0.67	0.002	0.06	<0.1	0.07	5.3	<0.1	<0.05	2	<0.5	<0.2
REP 1186125	QC	14	0.14	114	0.002	1	0.68	0.003	0.06	<0.1	0.08	5.2	<0.1	<0.05	2	<0.5	<0.2
1186128	Soil Pulp	5	4.91	208	<0.001	3	0.28	0.004	0.06	<0.1	0.24	3.6	<0.1	0.12	<1	<0.5	<0.2
REP 1186128	QC	6	4.72	208	<0.001	3	0.29	0.004	0.06	<0.1	0.28	3.5	<0.1	0.13	<1	<0.5	<0.2
1186145	Soil Pulp	15	0.18	120	0.004	2	0.69	0.004	0.25	<0.1	0.02	2.1	0.1	0.19	3	<0.5	<0.2
REP 1186145	QC	15	0.19	121	0.004	1	0.69	0.004	0.25	<0.1	0.03	2.2	0.1	0.23	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	110	0.59	252	0.097	2	0.85	0.094	0.40	2.5	0.20	2.2	5.2	0.05	4	5.1	4.6
STD DS8	Standard	123	0.61	267	0.108	2	0.91	0.094	0.40	2.8	0.20	2.3	5.2	0.08	4	4.8	4.6
STD DS8	Standard	121	0.64	309	0.134	3	0.95	0.098	0.48	3.2	0.22	2.2	5.5	0.13	5	6.8	5.3



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Project: CCJV

Report Date: August 01, 2011

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QUALITY CONTROL REPORT

VAN11003364.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
STD DS8	Standard	14.0	109.1	139.0	319	1.9	40.3	7.9	655	2.57	28.4	132.0	7.1	78	2.3	6.8	7.6	42	0.73	0.082	16
STD DS8	Standard	13.5	112.0	125.0	296	1.5	37.8	7.8	583	2.38	23.9	104.6	6.7	68	2.1	6.0	6.2	40	0.65	0.071	14
STD DS8	Standard	14.1	119.7	131.6	308	1.7	39.4	8.6	637	2.55	26.5	111.3	7.3	72	2.5	6.2	6.6	46	0.71	0.080	16
STD DS8	Standard	14.4	114.3	129.9	323	1.8	38.8	7.9	630	2.55	27.3	116.6	7.1	64	2.3	5.3	5.9	44	0.74	0.083	15
STD DS8	Standard	13.4	109.8	130.1	316	1.8	38.1	7.7	633	2.53	27.0	109.7	6.9	62	2.3	5.4	5.9	42	0.72	0.077	15
STD DS8	Standard	12.4	102.7	118.4	289	1.6	35.9	7.3	581	2.29	24.3	107.1	6.5	56	2.2	5.0	5.9	41	0.64	0.075	13
STD DS8	Standard	13.0	105.9	121.8	295	1.7	36.8	7.3	581	2.30	24.2	99.4	6.7	60	2.1	5.3	5.9	42	0.66	0.076	14
STD DS8	Standard	12.3	103.5	115.5	291	1.6	35.7	7.2	573	2.31	24.9	102.0	6.2	57	1.9	5.0	6.1	40	0.65	0.074	13
STD DS8	Standard	12.7	102.7	119.6	299	1.6	36.8	7.3	592	2.34	25.2	138.4	6.6	59	2.4	5.0	6.3	42	0.67	0.075	14
STD DS8	Standard	13.6	101.6	127.5	301	1.9	37.1	7.6	607	2.45	25.2	123.5	6.1	66	2.3	5.5	6.2	43	0.69	0.080	14
STD DS8	Standard	13.2	103.9	129.5	309	1.7	37.6	7.7	617	2.50	24.6	114.3	6.3	63	2.1	5.5	6.4	44	0.69	0.081	13
STD DS8	Standard	13.2	108.5	125.4	328	1.9	38.1	7.7	612	2.51	25.3	106.1	7.3	72	2.2	5.8	7.5	41	0.68	0.073	15
STD DS8	Standard	12.8	105.1	126.5	318	1.9	36.8	7.2	625	2.48	25.6	121.4	7.4	75	2.0	6.1	7.4	42	0.71	0.072	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

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QUALITY CONTROL REPORT

VAN11003364.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	117	0.65	298	0.129	3	0.97	0.099	0.44	3.3	0.20	2.1	5.5	0.12	5	6.1	5.4
STD DS8	Standard	121	0.64	261	0.120	3	0.90	0.087	0.40	2.8	0.16	1.9	4.9	0.14	4	4.2	4.6
STD DS8	Standard	131	0.70	282	0.130	2	0.97	0.096	0.43	2.9	0.18	2.2	5.2	0.14	4	6.2	5.1
STD DS8	Standard	120	0.64	289	0.118	2	0.98	0.090	0.44	3.0	0.19	2.5	5.4	0.12	5	5.8	5.4
STD DS8	Standard	118	0.60	286	0.119	3	0.92	0.093	0.42	3.0	0.19	2.4	5.5	0.13	5	5.2	5.6
STD DS8	Standard	110	0.57	256	0.105	2	0.85	0.084	0.39	2.7	0.19	2.0	4.9	0.06	4	4.7	4.2
STD DS8	Standard	111	0.57	265	0.108	2	0.85	0.083	0.39	2.8	0.20	2.1	5.0	0.07	4	4.7	4.8
STD DS8	Standard	112	0.57	260	0.102	3	0.83	0.082	0.40	2.8	0.19	2.0	5.0	0.14	4	5.0	4.5
STD DS8	Standard	112	0.61	268	0.108	3	0.90	0.092	0.41	2.7	0.20	1.9	5.0	0.14	4	4.9	4.7
STD DS8	Standard	115	0.60	279	0.110	2	0.90	0.085	0.41	3.2	0.21	2.0	5.3	0.16	5	5.1	5.0
STD DS8	Standard	115	0.61	277	0.110	2	0.90	0.084	0.42	3.2	0.20	2.0	5.6	0.16	5	5.2	5.0
STD DS8	Standard	120	0.60	262	0.120	2	0.86	0.087	0.40	2.9	0.21	1.9	5.5	0.20	5	4.9	5.7
STD DS8	Standard	117	0.62	270	0.126	3	0.89	0.086	0.39	3.0	0.20	2.0	5.4	0.21	5	5.6	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: K. Wayne Livingstone

Receiving Lab: Canada-Vancouver

Received: July 22, 2011

Report Date: August 01, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN11003381.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID: HG-03
P.O. Number
Number of Samples: 93

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	93	Sorting of samples on arrival and labeling			VAN
1DX2	88	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Bob Thomas
J. Garfield MacVeigh
Darwin Green
Liz Cornejo



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



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Project: CCJV
Report Date: August 01, 2011

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CERTIFICATE OF ANALYSIS

VAN11003381.1

	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1182183	Soil Pulp		1.1	130.9	22.3	79	<0.1	47.3	30.9	1067	5.54	36.6	5.2	0.9	7	<0.1	1.1	0.2	47	0.19	0.060	6
1182184	Soil Pulp		1.1	112.5	23.5	80	<0.1	46.0	30.3	1119	6.12	36.1	4.2	0.7	7	0.2	1.3	0.2	68	0.14	0.065	7
1182185	Soil Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1182186	Soil Pulp		1.9	163.3	22.6	88	0.3	54.2	39.8	1755	6.73	38.0	6.8	2.4	12	0.3	0.9	0.2	93	0.30	0.081	18
1182187	Soil Pulp		1.3	223.6	20.8	59	0.1	56.0	41.1	701	7.15	10.1	9.1	2.4	8	0.2	1.2	0.3	37	0.21	0.072	5
1182188	Soil Pulp		0.8	212.5	13.6	100	0.2	56.9	44.0	1302	7.47	23.2	20.6	2.1	9	0.3	0.4	0.3	68	0.19	0.086	4
1182189	Soil Pulp		1.4	31.6	11.0	51	0.1	19.7	9.8	276	2.99	11.5	2.2	1.7	6	0.1	0.8	0.2	62	0.06	0.027	9
1182190	Soil Pulp		1.3	99.4	17.7	92	<0.1	42.1	28.1	1207	5.44	23.1	2.4	0.7	11	0.5	1.0	0.3	69	0.18	0.080	11
1182191	Soil Pulp		1.5	92.1	12.6	60	<0.1	32.7	24.1	772	5.09	21.8	2.7	1.2	8	0.1	0.9	0.2	82	0.10	0.080	11
1182192	Soil Pulp		1.1	61.5	8.4	57	0.2	24.2	17.0	1124	4.25	9.7	1.6	0.2	20	0.3	0.5	0.2	90	0.55	0.112	7
1182193	Soil Pulp		1.3	78.2	12.0	62	<0.1	31.3	27.7	2045	6.59	20.2	2.2	2.1	10	0.3	0.6	0.2	80	0.37	0.087	12
1182194	Soil Pulp		0.8	65.4	16.0	27	0.1	24.0	13.9	343	2.50	69.5	4.8	1.8	17	<0.1	1.8	0.2	21	0.55	0.059	2
1182195	Soil Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1182196	Soil Pulp		1.0	99.7	39.4	110	0.1	55.7	31.4	313	4.62	13.2	5.0	5.0	138	0.6	0.6	0.4	23	1.57	0.166	25
1182197	Soil Pulp		1.1	34.1	24.7	92	0.1	25.7	15.9	1276	3.44	17.3	1.9	1.0	19	0.4	0.6	0.3	42	0.29	0.116	10
1182198	Soil Pulp		0.9	46.9	19.5	70	0.2	32.5	19.9	829	3.87	16.7	1.6	1.1	8	0.1	0.6	0.3	36	0.08	0.068	6
1182390	Soil Pulp		0.5	34.2	26.2	48	0.1	28.9	18.9	446	2.93	20.5	2.2	1.9	19	0.1	0.5	0.3	21	0.98	0.080	17
1182392	Soil Pulp		0.8	18.5	25.3	59	<0.1	20.2	11.6	409	3.69	14.2	1.0	2.6	13	<0.1	0.5	0.3	33	0.29	0.036	10
1182393	Soil Pulp		0.8	21.7	16.6	53	0.1	18.6	8.8	518	2.46	10.5	3.1	0.9	17	0.2	0.5	0.2	23	0.56	0.108	13
1182394	Soil Pulp		0.6	23.2	36.7	145	0.2	22.5	11.2	365	2.84	22.4	0.6	1.3	27	0.2	1.4	0.3	22	1.48	0.091	20
1182395	Soil Pulp		0.2	32.0	13.9	28	<0.1	17.6	10.3	327	2.94	6.3	1.7	6.9	19	0.1	0.3	0.6	16	0.97	0.065	42
1182396	Soil Pulp		0.4	27.0	32.4	65	<0.1	25.9	11.3	380	2.48	15.6	2.2	1.3	44	0.3	0.7	0.3	13	1.72	0.084	39
1182397	Soil Pulp		0.6	21.4	33.4	97	<0.1	19.7	10.5	1981	3.54	14.1	0.5	0.7	31	0.4	0.8	0.3	17	2.45	0.136	17
1182398	Soil Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1182399	Soil Pulp		1.1	25.6	19.9	61	<0.1	19.1	10.1	557	2.65	13.2	2.4	0.9	18	<0.1	0.7	0.4	23	0.70	0.113	9
1182400	Soil Pulp		1.2	24.8	31.2	50	0.1	26.8	15.3	981	3.45	30.8	1.3	2.3	53	<0.1	2.0	0.3	10	8.87	0.135	9
1186180	Soil Pulp		1.2	60.8	13.2	71	0.2	31.1	19.0	832	4.75	14.4	2.5	0.5	12	0.2	0.6	0.2	80	0.27	0.096	11
1186181	Soil Pulp		1.0	116.9	16.7	87	<0.1	35.6	50.0	2842	5.50	10.8	2.8	1.4	16	0.7	0.5	0.2	139	0.41	0.118	11
1186182	Soil Pulp		1.3	160.8	19.5	44	<0.1	61.3	61.7	2430	9.09	34.0	5.3	3.0	11	0.4	1.2	0.3	41	0.29	0.056	26
1186183	Soil Pulp		1.2	24.1	15.4	55	0.1	15.1	9.9	698	2.51	10.8	1.3	0.2	11	0.6	0.6	0.2	37	0.15	0.082	8



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182183	Soil Pulp	22	0.25	127	0.006	2	0.74	0.002	0.06	<0.1	0.05	7.3	<0.1	<0.05	3	0.7	<0.2
1182184	Soil Pulp	32	0.31	84	0.010	2	1.11	0.003	0.05	<0.1	0.08	6.2	<0.1	<0.05	4	0.8	<0.2
1182185	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182186	Soil Pulp	47	0.82	244	0.008	3	2.00	0.004	0.06	<0.1	0.07	15.7	0.2	<0.05	6	0.8	<0.2
1182187	Soil Pulp	19	0.56	108	0.002	2	1.16	0.002	0.05	<0.1	0.08	14.3	<0.1	<0.05	3	1.1	0.3
1182188	Soil Pulp	28	0.86	200	0.003	2	1.60	0.002	0.05	<0.1	0.17	19.2	<0.1	<0.05	5	1.1	0.4
1182189	Soil Pulp	26	0.38	72	0.024	<1	1.27	0.003	0.03	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
1182190	Soil Pulp	36	0.58	104	0.014	1	1.59	0.004	0.07	<0.1	0.06	4.4	<0.1	<0.05	6	0.6	<0.2
1182191	Soil Pulp	37	0.57	113	0.010	1	1.85	0.004	0.06	0.1	0.05	4.8	0.1	<0.05	7	<0.5	<0.2
1182192	Soil Pulp	38	0.48	112	0.014	2	1.31	0.005	0.06	<0.1	0.05	2.5	<0.1	0.10	7	<0.5	<0.2
1182193	Soil Pulp	40	0.41	127	0.008	2	1.61	0.002	0.09	<0.1	0.05	8.7	<0.1	<0.05	6	0.6	<0.2
1182194	Soil Pulp	10	0.13	89	0.001	3	0.73	0.004	0.11	<0.1	0.57	4.5	0.1	<0.05	2	0.8	<0.2
1182195	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182196	Soil Pulp	21	0.46	81	0.004	4	1.16	0.009	0.13	<0.1	0.09	7.6	<0.1	<0.05	3	0.7	<0.2
1182197	Soil Pulp	23	0.29	198	0.008	2	1.40	0.003	0.08	0.1	0.07	2.6	0.1	<0.05	4	0.8	<0.2
1182198	Soil Pulp	23	0.45	96	0.009	2	1.31	0.003	0.09	<0.1	0.05	3.1	0.1	<0.05	4	0.7	<0.2
1182390	Soil Pulp	14	0.20	80	0.004	3	0.78	0.003	0.08	<0.1	0.60	4.7	<0.1	<0.05	2	0.6	<0.2
1182392	Soil Pulp	21	0.29	89	0.007	2	1.16	0.003	0.09	0.1	0.27	2.7	<0.1	<0.05	4	0.8	<0.2
1182393	Soil Pulp	15	0.20	157	0.008	3	0.83	0.004	0.09	<0.1	0.06	2.3	<0.1	<0.05	3	0.6	<0.2
1182394	Soil Pulp	14	0.19	108	0.005	3	0.91	0.004	0.13	<0.1	0.16	2.9	<0.1	0.06	3	0.6	<0.2
1182395	Soil Pulp	14	0.26	107	0.002	4	1.13	0.006	0.13	<0.1	0.06	9.3	<0.1	<0.05	3	0.7	<0.2
1182396	Soil Pulp	9	0.12	83	0.002	3	0.55	0.003	0.07	<0.1	0.16	2.4	<0.1	0.07	2	0.9	<0.2
1182397	Soil Pulp	11	0.69	166	0.003	4	0.77	0.005	0.06	<0.1	0.12	1.8	<0.1	0.11	2	1.0	<0.2
1182398	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182399	Soil Pulp	13	0.13	142	0.004	2	0.80	0.005	0.07	<0.1	0.06	2.5	<0.1	0.06	3	0.6	<0.2
1182400	Soil Pulp	8	4.77	70	0.002	3	0.38	0.007	0.09	<0.1	0.11	3.3	<0.1	0.09	1	<0.5	<0.2
1186180	Soil Pulp	41	0.48	153	0.013	2	1.60	0.004	0.09	0.1	0.04	3.4	<0.1	<0.05	6	0.6	<0.2
1186181	Soil Pulp	53	0.76	108	0.115	3	2.00	0.006	0.09	<0.1	0.07	11.1	0.1	<0.05	8	0.7	<0.2
1186182	Soil Pulp	24	0.39	95	<0.001	2	1.67	0.002	0.11	<0.1	0.04	9.1	<0.1	<0.05	3	0.8	<0.2
1186183	Soil Pulp	16	0.12	130	0.007	1	0.65	0.003	0.08	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1186184	Soil Pulp	1.2	32.9	21.4	75	<0.1	22.3	17.9	1128	3.76	13.1	1.6	0.6	10	0.4	0.7	0.3	47	0.06	0.087	10
1186185	Soil Pulp	0.9	27.4	14.5	53	<0.1	21.0	12.7	669	3.25	18.9	4.3	0.4	6	<0.1	0.6	0.2	29	0.08	0.059	6
1186186	Soil Pulp	1.1	65.7	41.8	23	0.6	80.1	52.0	1351	8.51	197.0	18.8	4.9	172	<0.1	5.1	0.5	21	6.26	0.099	6
1186187	Soil Pulp	0.8	46.7	14.3	52	0.1	32.4	19.0	1205	4.50	49.4	1.5	1.5	14	<0.1	0.8	0.2	20	0.57	0.106	3
1186188	Soil Pulp	0.6	27.2	13.9	50	0.2	20.5	9.8	397	3.28	18.3	2.2	1.1	91	0.3	0.5	0.2	24	1.35	0.132	15
1186190	Soil Pulp	1.3	67.7	14.7	66	<0.1	39.0	22.3	673	4.27	50.5	2.9	1.9	13	0.1	1.1	0.5	26	0.16	0.061	5
1186191	Soil Pulp	1.2	26.7	22.8	80	0.1	18.2	9.0	526	3.34	16.2	1.2	0.2	9	0.2	0.8	0.5	39	0.04	0.070	8
1186192	Soil Pulp	1.1	31.5	18.4	93	<0.1	19.6	8.7	346	2.90	23.6	1.9	0.3	7	0.1	0.8	0.4	22	0.05	0.070	7
1186193	Soil Pulp	1.2	62.5	35.8	117	0.1	43.2	17.7	351	3.24	43.1	3.1	4.8	49	0.3	0.6	0.5	17	1.19	0.119	21
1186194	Soil Pulp	0.4	11.4	9.1	67	<0.1	7.5	5.2	206	1.28	2.9	0.8	0.5	22	0.4	0.2	0.3	20	0.17	0.055	5
1186195	Soil Pulp	0.9	27.4	26.3	128	0.2	28.1	16.1	1074	3.92	7.3	0.6	1.3	28	0.4	0.4	0.4	31	0.33	0.070	6
1186196	Soil Pulp	0.5	15.8	18.4	47	0.1	13.9	5.9	482	2.07	3.9	<0.5	1.3	61	0.2	0.2	0.2	10	1.07	0.094	5
1186197	Soil Pulp	0.9	18.9	15.1	60	<0.1	21.5	9.3	684	2.95	13.0	0.6	2.0	21	0.1	0.3	0.3	34	0.30	0.052	6
1186198	Soil Pulp	1.2	26.1	24.8	98	<0.1	26.0	11.2	622	3.20	18.5	1.0	2.0	31	0.4	0.8	0.3	36	0.35	0.073	12
1186200	Soil Pulp	0.9	29.8	24.1	67	<0.1	22.5	10.2	302	2.88	20.3	1.5	0.5	19	0.2	0.5	0.4	22	0.13	0.072	7
1181223	Soil Pulp	1.2	24.1	13.8	53	0.2	18.5	9.1	236	2.78	12.8	1.5	0.6	9	0.3	0.7	0.2	34	0.11	0.040	9
1181224	Soil Pulp	1.6	50.6	24.4	77	0.1	25.2	10.0	194	3.36	22.5	1.7	3.6	37	0.2	1.2	0.3	10	0.15	0.037	6
1181225	Soil Pulp	1.1	40.5	12.6	57	0.2	18.9	9.0	575	2.54	14.6	1.2	0.5	17	0.4	0.4	0.3	29	0.20	0.108	7
1181226	Soil Pulp	0.9	30.2	21.4	44	0.1	17.0	23.0	1264	2.62	12.3	2.5	0.5	30	0.1	0.5	0.4	30	0.50	0.124	4
1181227	Soil Pulp	0.8	30.7	17.9	82	<0.1	27.4	11.1	397	2.85	13.3	1.6	4.4	34	0.2	0.6	0.3	33	0.70	0.049	13
1181228	Soil Pulp	0.7	22.7	18.7	70	<0.1	21.9	10.4	498	2.64	11.4	1.3	2.5	26	0.7	0.5	0.3	33	0.38	0.044	10
1181229	Soil Pulp	0.8	24.0	19.4	77	<0.1	22.1	9.7	461	2.42	12.1	1.9	2.3	52	0.2	0.6	0.2	22	1.47	0.045	9
1181230	Soil Pulp	0.5	24.7	19.4	70	<0.1	21.6	10.3	425	2.53	11.5	1.3	2.0	73	0.2	0.5	0.3	18	1.32	0.039	8
1181232	Soil Pulp	1.9	74.9	27.3	93	0.2	45.7	27.2	1191	4.31	43.6	2.8	2.7	65	0.2	1.5	0.4	11	1.06	0.050	5
1181234	Soil Pulp	0.8	36.8	24.5	81	<0.1	29.4	15.5	646	3.60	22.3	1.4	4.3	39	0.2	0.5	0.3	23	0.76	0.027	9
1181235	Soil Pulp	0.8	27.7	25.9	67	<0.1	26.9	12.4	915	3.22	11.4	1.6	4.7	77	0.2	0.4	0.3	31	1.62	0.034	21
1181237	Soil Pulp	0.8	20.7	17.7	65	<0.1	19.4	9.4	224	3.42	13.4	1.2	3.7	9	0.2	0.5	0.3	33	0.08	0.020	9
1181238	Soil Pulp	1.5	18.7	57.8	127	0.2	14.5	20.3	1184	3.56	11.5	0.9	2.4	23	0.3	0.4	0.6	76	0.28	0.039	9
1181239	Soil Pulp	1.4	13.7	30.3	95	<0.1	15.3	11.5	442	2.64	20.6	0.9	1.9	16	0.2	0.5	0.3	44	0.19	0.045	9
1181240	Soil Pulp	0.9	10.5	15.5	141	0.2	16.6	12.3	727	3.09	8.3	0.7	2.6	10	0.2	0.5	0.4	41	0.09	0.035	8



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1186184	Soil Pulp	25	0.26	160	0.012	2	1.15	0.003	0.10	<0.1	0.03	1.8	<0.1	<0.05	5	0.6	<0.2
1186185	Soil Pulp	13	0.15	97	0.005	2	0.67	0.002	0.08	<0.1	0.06	1.3	<0.1	<0.05	3	0.7	<0.2
1186186	Soil Pulp	15	0.93	71	0.006	5	0.43	0.004	0.14	<0.1	0.58	5.4	0.2	<0.05	2	1.1	<0.2
1186187	Soil Pulp	9	0.15	111	0.002	2	0.37	0.002	0.09	<0.1	0.19	5.9	<0.1	<0.05	1	0.6	<0.2
1186188	Soil Pulp	15	0.16	99	0.005	2	0.83	0.008	0.07	<0.1	0.09	3.7	<0.1	0.06	2	0.6	<0.2
1186190	Soil Pulp	13	0.20	106	0.003	3	0.61	0.003	0.08	<0.1	0.15	4.1	<0.1	<0.05	2	<0.5	<0.2
1186191	Soil Pulp	15	0.11	166	0.006	2	0.77	0.003	0.07	<0.1	0.04	0.4	<0.1	<0.05	4	<0.5	<0.2
1186192	Soil Pulp	8	0.06	64	0.005	2	0.44	0.003	0.06	<0.1	0.05	0.6	<0.1	<0.05	2	<0.5	<0.2
1186193	Soil Pulp	23	0.54	115	0.001	5	0.73	0.003	0.10	<0.1	0.11	4.0	<0.1	0.07	2	<0.5	<0.2
1186194	Soil Pulp	11	0.18	57	0.004	2	0.61	0.007	0.05	<0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1186195	Soil Pulp	24	0.36	139	0.006	2	1.26	0.005	0.09	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1186196	Soil Pulp	9	0.17	87	0.003	5	0.60	0.004	0.08	<0.1	0.04	1.4	<0.1	0.10	1	<0.5	<0.2
1186197	Soil Pulp	22	0.41	159	0.004	2	1.29	0.004	0.07	<0.1	0.09	1.7	0.1	<0.05	4	<0.5	<0.2
1186198	Soil Pulp	22	0.42	192	0.007	2	1.30	0.005	0.08	0.1	0.10	3.2	<0.1	<0.05	4	<0.5	<0.2
1186200	Soil Pulp	13	0.13	124	0.003	2	0.67	0.003	0.08	<0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1181223	Soil Pulp	12	0.08	59	0.008	2	0.49	0.003	0.07	<0.1	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1181224	Soil Pulp	8	0.15	47	0.002	3	0.47	0.003	0.07	<0.1	0.43	4.8	0.1	<0.05	1	0.9	<0.2
1181225	Soil Pulp	15	0.16	204	0.004	2	0.91	0.006	0.07	<0.1	0.05	1.8	0.1	<0.05	3	<0.5	<0.2
1181226	Soil Pulp	14	0.26	129	0.008	4	0.77	0.008	0.10	0.1	0.05	2.2	0.1	<0.05	3	<0.5	<0.2
1181227	Soil Pulp	20	0.48	154	0.011	3	1.16	0.008	0.07	<0.1	0.11	4.0	<0.1	<0.05	3	<0.5	<0.2
1181228	Soil Pulp	20	0.37	168	0.007	2	1.24	0.007	0.07	<0.1	0.10	2.7	<0.1	<0.05	4	<0.5	<0.2
1181229	Soil Pulp	14	0.48	126	0.006	3	0.88	0.006	0.07	<0.1	0.16	2.5	<0.1	<0.05	3	<0.5	<0.2
1181230	Soil Pulp	14	0.41	154	0.003	5	0.92	0.007	0.08	<0.1	0.17	2.5	<0.1	0.06	3	<0.5	<0.2
1181232	Soil Pulp	7	0.23	71	<0.001	4	0.33	0.003	0.08	<0.1	0.58	5.6	0.1	0.08	<1	1.6	0.2
1181234	Soil Pulp	18	0.46	150	0.002	3	1.13	0.005	0.10	<0.1	0.24	4.0	<0.1	<0.05	3	<0.5	<0.2
1181235	Soil Pulp	23	0.76	130	0.007	3	1.57	0.008	0.07	<0.1	0.07	4.9	<0.1	<0.05	4	<0.5	<0.2
1181237	Soil Pulp	18	0.26	153	0.002	1	1.46	0.003	0.06	<0.1	0.15	2.7	0.1	<0.05	4	<0.5	<0.2
1181238	Soil Pulp	26	0.25	162	0.011	1	1.79	0.005	0.05	0.1	0.03	2.1	0.1	<0.05	9	<0.5	<0.2
1181239	Soil Pulp	19	0.26	117	0.006	1	1.36	0.005	0.08	0.1	0.03	1.4	0.2	<0.05	5	<0.5	<0.2
1181240	Soil Pulp	20	0.25	193	0.008	2	1.42	0.006	0.09	<0.1	0.05	1.7	0.1	<0.05	5	<0.5	<0.2



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VAN11003381.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181242	Soil Pulp	1.9	47.7	15.0	53	<0.1	40.8	25.3	636	5.89	14.8	0.6	4.1	9	<0.1	0.7	0.5	28	0.13	0.040
1181243	Soil Pulp	0.7	32.9	19.2	64	<0.1	27.3	13.7	537	2.80	14.9	1.1	4.7	158	0.2	0.6	0.3	12	5.29	0.055
1181401	Soil Pulp	1.0	32.6	23.4	73	<0.1	22.6	13.4	865	3.70	15.2	0.6	0.4	9	0.1	0.6	0.5	26	0.08	0.068
1181402	Soil Pulp	0.6	55.2	53.1	104	0.2	56.9	28.5	375	3.87	22.0	1.4	7.2	59	<0.1	0.7	0.6	10	0.93	0.035
1181403	Soil Pulp	0.8	54.3	22.5	89	<0.1	38.2	16.3	365	3.09	14.6	2.6	4.5	69	0.2	0.7	0.5	10	1.89	0.125
1181404	Soil Pulp	0.7	41.3	27.7	94	<0.1	32.9	14.0	235	3.46	15.6	1.0	3.8	43	0.1	0.5	0.4	15	0.58	0.078
1181405	Soil Pulp	0.9	57.1	19.6	84	0.1	31.5	13.2	354	2.81	6.7	2.5	3.6	35	0.3	0.5	0.4	16	0.69	0.089
1181406	Soil Pulp	1.3	42.1	16.4	64	0.1	26.2	11.7	276	2.41	9.1	5.6	6.0	124	0.3	0.6	0.3	14	4.47	0.084
1181407	Soil Pulp	1.2	48.6	29.5	91	0.1	38.3	17.4	546	3.82	15.3	2.5	5.4	40	0.2	0.5	0.4	18	0.42	0.049
1181408	Soil Pulp	0.5	42.8	21.0	79	<0.1	32.6	15.3	407	3.41	38.9	2.5	3.8	38	0.1	0.6	0.4	12	0.50	0.058
1181409	Soil Pulp	0.5	38.3	22.3	63	0.1	26.1	9.5	196	2.65	14.7	1.0	2.1	59	0.3	1.3	0.4	10	1.08	0.079
1181410	Soil Pulp	0.3	33.8	13.6	60	<0.1	25.6	10.6	303	2.62	6.4	<0.5	4.3	154	0.2	0.3	0.4	11	6.41	0.071
1181411	Soil Pulp	0.8	18.8	16.6	45	<0.1	16.8	8.6	380	2.95	12.9	0.9	2.3	23	<0.1	0.6	0.3	22	0.26	0.070
1181412	Soil Pulp	0.3	20.9	21.0	63	<0.1	18.1	8.0	315	3.32	8.6	<0.5	2.7	83	0.1	0.3	0.4	15	0.99	0.108
1181413	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182164	Soil Pulp	1.1	36.2	22.1	77	0.2	23.8	10.4	239	2.71	12.4	1.8	2.9	126	0.3	0.5	0.4	15	1.44	0.087
1182165	Soil Pulp	0.6	46.9	26.9	106	0.1	38.9	14.4	291	2.95	9.8	2.8	6.7	54	0.2	0.5	0.4	14	0.91	0.088
1182166	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182167	Soil Pulp	0.4	32.0	30.9	90	<0.1	33.2	15.6	510	4.69	16.8	<0.5	5.4	15	<0.1	0.7	0.5	21	0.12	0.054
1182168	Soil Pulp	0.7	33.2	29.5	78	<0.1	27.4	14.8	386	3.85	33.6	0.8	2.4	13	<0.1	1.3	0.5	13	0.10	0.059
1182169	Soil Pulp	1.7	27.0	11.8	70	<0.1	17.9	7.5	380	2.52	20.4	<0.5	0.2	8	<0.1	0.8	0.4	34	0.01	0.065
1182170	Soil Pulp	1.2	33.7	19.4	74	<0.1	26.7	14.8	548	3.80	18.3	0.9	0.8	8	0.1	1.1	0.4	41	0.04	0.055
1182171	Soil Pulp	0.8	27.8	16.7	72	0.1	27.0	10.2	289	2.86	24.5	<0.5	1.2	20	0.2	0.9	0.3	33	0.30	0.063
1182172	Soil Pulp	1.0	47.0	19.7	70	<0.1	29.3	15.7	445	3.65	43.7	<0.5	0.4	13	0.2	1.2	0.4	28	0.16	0.074
1182173	Soil Pulp	1.5	45.6	23.9	69	0.1	28.0	14.3	573	4.26	88.0	0.7	1.3	14	0.1	2.9	0.4	24	0.29	0.071
1182174	Soil Pulp	1.1	43.7	22.8	64	0.1	29.2	13.8	512	4.16	34.7	1.0	1.7	38	0.1	1.4	0.3	26	0.52	0.091
1182175	Soil Pulp	1.8	71.9	34.2	77	0.2	44.5	25.4	923	5.12	73.7	3.7	3.4	24	0.1	3.0	0.5	25	0.33	0.062
1182177	Soil Pulp	1.3	79.4	41.0	125	0.2	49.3	29.3	1283	5.33	89.7	3.0	2.3	79	0.2	2.0	0.5	18	0.85	0.083
1182178	Soil Pulp	1.9	65.5	27.1	97	0.1	37.4	21.1	606	4.57	35.7	2.1	1.7	15	0.2	1.5	0.4	27	0.17	0.067
1182179	Soil Pulp	0.7	194.4	20.5	99	0.3	57.4	42.5	1805	8.26	49.0	3.9	1.9	18	0.3	0.9	0.2	60	0.54	0.115



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181242	Soil Pulp	14	0.18	197	0.002	1	1.13	0.003	0.13	<0.1	0.04	5.0	<0.1	<0.05	3	<0.5	<0.2
1181243	Soil Pulp	11	1.15	111	0.003	2	0.55	0.005	0.07	<0.1	0.19	3.3	<0.1	0.06	2	<0.5	<0.2
1181401	Soil Pulp	10	0.07	74	0.003	1	0.44	0.003	0.06	<0.1	0.05	1.1	<0.1	0.07	2	<0.5	<0.2
1181402	Soil Pulp	11	0.28	122	<0.001	3	0.73	0.004	0.09	<0.1	0.11	4.2	0.2	0.08	2	<0.5	<0.2
1181403	Soil Pulp	11	0.75	100	0.002	4	0.38	0.005	0.13	<0.1	0.08	5.4	<0.1	0.10	1	<0.5	<0.2
1181404	Soil Pulp	15	0.34	78	0.002	3	0.98	0.004	0.08	<0.1	0.04	5.2	<0.1	<0.05	3	<0.5	<0.2
1181405	Soil Pulp	14	0.35	94	0.003	2	0.53	0.003	0.09	<0.1	0.07	4.7	<0.1	<0.05	1	<0.5	<0.2
1181406	Soil Pulp	12	1.85	81	0.003	4	0.54	0.007	0.11	<0.1	0.06	4.2	<0.1	0.05	2	0.7	<0.2
1181407	Soil Pulp	21	0.65	59	0.002	2	1.28	0.004	0.09	<0.1	0.06	5.6	<0.1	<0.05	4	<0.5	<0.2
1181408	Soil Pulp	11	0.18	42	0.001	2	0.44	0.003	0.10	<0.1	0.25	4.2	<0.1	<0.05	1	<0.5	<0.2
1181409	Soil Pulp	7	0.19	47	0.001	5	0.37	0.006	0.09	<0.1	0.22	3.0	<0.1	0.25	1	<0.5	<0.2
1181410	Soil Pulp	13	1.39	46	0.003	3	0.60	0.005	0.09	<0.1	0.03	3.6	<0.1	0.07	2	<0.5	<0.2
1181411	Soil Pulp	15	0.14	117	0.003	1	0.90	0.003	0.07	<0.1	0.04	2.7	<0.1	0.07	2	<0.5	<0.2
1181412	Soil Pulp	9	0.10	173	0.004	2	0.80	0.005	0.07	<0.1	0.09	4.3	<0.1	0.12	2	<0.5	<0.2
1181413	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182164	Soil Pulp	14	0.52	129	0.004	3	0.98	0.006	0.09	<0.1	0.10	3.2	<0.1	0.11	3	<0.5	<0.2
1182165	Soil Pulp	22	0.81	91	0.002	4	0.94	0.005	0.10	<0.1	0.10	3.7	<0.1	<0.05	3	<0.5	<0.2
1182166	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1182167	Soil Pulp	14	0.31	64	0.010	1	1.08	0.007	0.10	<0.1	0.11	3.8	<0.1	<0.05	3	<0.5	<0.2
1182168	Soil Pulp	7	0.08	70	0.003	<1	0.50	0.004	0.06	<0.1	0.09	3.2	<0.1	0.09	2	<0.5	<0.2
1182169	Soil Pulp	9	0.05	47	0.005	1	0.48	0.003	0.06	<0.1	0.05	0.3	0.1	0.06	3	<0.5	<0.2
1182170	Soil Pulp	17	0.21	71	0.009	1	1.02	0.003	0.05	<0.1	0.06	2.2	0.1	<0.05	4	<0.5	<0.2
1182171	Soil Pulp	19	0.38	100	0.007	<1	1.05	0.004	0.05	0.1	0.13	2.5	<0.1	0.07	4	<0.5	<0.2
1182172	Soil Pulp	12	0.13	100	0.004	1	0.63	0.003	0.07	<0.1	0.07	2.0	0.1	0.09	3	<0.5	<0.2
1182173	Soil Pulp	12	0.17	98	0.005	1	0.67	0.005	0.06	<0.1	0.85	3.4	0.1	0.08	2	<0.5	<0.2
1182174	Soil Pulp	13	0.16	95	0.004	2	0.73	0.005	0.07	<0.1	0.26	4.8	<0.1	0.08	2	<0.5	<0.2
1182175	Soil Pulp	8	0.06	64	0.005	2	0.44	0.006	0.12	<0.1	0.61	6.9	<0.1	0.44	1	<0.5	<0.2
1182177	Soil Pulp	8	0.07	110	0.002	1	0.51	0.003	0.05	<0.1	0.92	8.1	0.1	0.11	1	0.6	<0.2
1182178	Soil Pulp	13	0.11	58	0.002	2	0.63	0.003	0.06	<0.1	0.20	5.7	0.1	<0.05	2	1.1	<0.2
1182179	Soil Pulp	40	0.69	94	0.004	2	1.70	0.002	0.08	<0.1	0.08	17.4	<0.1	<0.05	5	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1182181	Soil Pulp	0.9	166.0	14.8	84	0.2	59.1	36.7	1497	6.86	42.7	3.3	2.3	11	0.2	1.0	0.2	100	0.27	0.052	12
1182182	Soil Pulp	0.7	188.6	10.6	92	0.2	59.3	37.4	1477	7.20	49.9	4.4	1.9	12	0.2	1.0	0.2	130	0.38	0.105	14
1186189	Soil Pulp	1.0	40.2	11.5	56	<0.1	23.8	18.0	1078	3.87	49.2	<0.5	1.0	13	0.2	0.9	0.3	32	0.22	0.087	5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182181	Soil Pulp	48	0.66	245	0.004	1	1.38	0.003	0.07	<0.1	0.13	13.7	<0.1	<0.05	5	0.6	<0.2
1182182	Soil Pulp	62	0.85	312	0.008	2	1.75	0.004	0.07	<0.1	0.13	23.0	0.1	<0.05	7	0.6	<0.2
1186189	Soil Pulp	14	0.11	136	0.005	<1	0.71	0.002	0.11	<0.1	0.08	2.8	<0.1	<0.05	3	<0.5	<0.2



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QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1182186	Soil Pulp	1.9	163.3	22.6	88	0.3	54.2	39.8	1755	6.73	38.0	6.8	2.4	12	0.3	0.9	0.2	93	0.30	0.081	18
REP 1182186	QC	2.0	161.6	22.9	91	0.3	55.3	40.3	1793	6.82	37.9	6.8	2.4	12	0.4	1.0	0.2	98	0.31	0.080	18
1182189	Soil Pulp	1.4	31.6	11.0	51	0.1	19.7	9.8	276	2.99	11.5	2.2	1.7	6	0.1	0.8	0.2	62	0.06	0.027	9
REP 1182189	QC	1.5	32.1	10.9	53	0.1	20.0	10.2	280	3.10	11.8	1.3	1.7	6	0.1	0.8	0.2	63	0.07	0.028	10
1182393	Soil Pulp	0.8	21.7	16.6	53	0.1	18.6	8.8	518	2.46	10.5	3.1	0.9	17	0.2	0.5	0.2	23	0.56	0.108	13
REP 1182393	QC	0.8	22.0	17.7	54	0.1	18.8	9.1	551	2.52	10.7	1.3	1.0	17	0.2	0.6	0.2	22	0.59	0.111	13
1181224	Soil Pulp	1.6	50.6	24.4	77	0.1	25.2	10.0	194	3.36	22.5	1.7	3.6	37	0.2	1.2	0.3	10	0.15	0.037	6
REP 1181224	QC	1.5	49.5	23.3	75	0.1	24.7	9.6	189	3.29	21.7	2.2	3.5	36	0.1	1.2	0.3	10	0.16	0.035	6
1181408	Soil Pulp	0.5	42.8	21.0	79	<0.1	32.6	15.3	407	3.41	38.9	2.5	3.8	38	0.1	0.6	0.4	12	0.50	0.058	13
REP 1181408	QC	0.6	43.5	20.8	80	<0.1	32.2	16.0	412	3.46	39.6	2.7	3.9	39	0.2	0.7	0.4	12	0.50	0.058	13
1182170	Soil Pulp	1.2	33.7	19.4	74	<0.1	26.7	14.8	548	3.80	18.3	0.9	0.8	8	0.1	1.1	0.4	41	0.04	0.055	9
REP 1182170	QC	1.1	32.1	18.7	71	<0.1	25.6	14.1	532	3.59	17.1	<0.5	0.7	7	0.1	1.0	0.4	38	0.03	0.049	8
Reference Materials																					
STD DS8	Standard	14.4	113.6	123.3	313	1.8	39.3	8.0	613	2.46	26.8	115.2	6.9	66	2.4	5.6	6.3	43	0.69	0.080	15
STD DS8	Standard	14.6	115.3	124.9	306	1.7	38.5	7.7	613	2.47	25.5	129.3	6.8	65	2.3	5.4	6.1	43	0.69	0.074	15
STD DS8	Standard	13.6	109.7	122.4	303	1.6	37.4	7.6	593	2.41	25.3	110.5	6.6	58	2.2	4.7	5.8	43	0.69	0.080	14
STD DS8	Standard	12.9	107.5	123.0	305	1.8	37.8	7.7	588	2.43	26.1	107.7	6.7	59	2.2	4.7	5.8	44	0.68	0.076	14
STD DS8	Standard	14.1	113.7	125.5	321	1.8	38.9	7.9	621	2.52	27.0	112.8	7.0	72	2.4	6.1	6.6	42	0.67	0.080	16
STD DS8	Standard	14.7	118.0	126.7	325	1.8	41.5	8.2	635	2.57	27.0	109.7	7.4	72	2.3	6.0	6.4	45	0.72	0.083	16
STD DS8	Standard	13.6	101.6	127.5	301	1.9	37.1	7.6	607	2.45	25.2	123.5	6.1	66	2.3	5.5	6.2	43	0.69	0.080	14
STD DS8	Standard	13.2	103.9	129.5	309	1.7	37.6	7.7	617	2.50	24.6	114.3	6.3	63	2.1	5.5	6.4	44	0.69	0.081	13
STD DS8	Standard	13.2	108.5	125.4	328	1.9	38.1	7.7	612	2.51	25.3	106.1	7.3	72	2.2	5.8	7.5	41	0.68	0.073	15
STD DS8	Standard	12.8	105.1	126.5	318	1.9	36.8	7.2	625	2.48	25.6	121.4	7.4	75	2.0	6.1	7.4	42	0.71	0.072	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	1.7	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: August 01, 2011

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QUALITY CONTROL REPORT

VAN11003381.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1182186	Soil Pulp	47	0.82	244	0.008	3	2.00	0.004	0.06	<0.1	0.07	15.7	0.2	<0.05	6	0.8	<0.2
REP 1182186	QC	48	0.82	244	0.009	2	1.97	0.008	0.06	<0.1	0.07	15.8	0.1	<0.05	6	0.8	<0.2
1182189	Soil Pulp	26	0.38	72	0.024	<1	1.27	0.003	0.03	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
REP 1182189	QC	26	0.39	76	0.026	1	1.28	0.003	0.03	0.2	0.04	2.4	0.1	<0.05	6	<0.5	<0.2
1182393	Soil Pulp	15	0.20	157	0.008	3	0.83	0.004	0.09	<0.1	0.06	2.3	<0.1	<0.05	3	0.6	<0.2
REP 1182393	QC	15	0.20	158	0.006	2	0.84	0.004	0.09	<0.1	0.07	2.4	<0.1	0.06	2	0.7	<0.2
1181224	Soil Pulp	8	0.15	47	0.002	3	0.47	0.003	0.07	<0.1	0.43	4.8	0.1	<0.05	1	0.9	<0.2
REP 1181224	QC	7	0.14	47	<0.001	2	0.45	0.003	0.07	<0.1	0.39	4.7	0.1	<0.05	1	0.7	<0.2
1181408	Soil Pulp	11	0.18	42	0.001	2	0.44	0.003	0.10	<0.1	0.25	4.2	<0.1	<0.05	1	<0.5	<0.2
REP 1181408	QC	11	0.18	43	<0.001	2	0.46	0.002	0.09	<0.1	0.25	4.4	<0.1	<0.05	1	<0.5	<0.2
1182170	Soil Pulp	17	0.21	71	0.009	1	1.02	0.003	0.05	<0.1	0.06	2.2	0.1	<0.05	4	<0.5	<0.2
REP 1182170	QC	16	0.20	67	0.007	1	0.97	0.003	0.05	<0.1	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	119	0.63	280	0.115	3	0.92	0.093	0.42	3.0	0.21	2.2	5.3	0.12	5	5.0	5.3
STD DS8	Standard	121	0.61	289	0.119	2	0.91	0.088	0.41	3.1	0.22	2.3	5.4	0.11	5	5.3	4.5
STD DS8	Standard	117	0.60	274	0.112	3	0.91	0.087	0.40	2.9	0.17	2.3	5.2	0.13	5	5.3	4.5
STD DS8	Standard	115	0.60	275	0.111	2	0.89	0.090	0.41	2.7	0.20	2.2	5.3	0.12	5	5.3	4.7
STD DS8	Standard	119	0.62	288	0.130	3	0.94	0.092	0.43	3.1	0.20	2.2	5.3	0.12	5	5.2	4.9
STD DS8	Standard	124	0.64	285	0.138	3	0.96	0.098	0.44	3.0	0.19	2.3	5.3	0.15	5	5.0	5.1
STD DS8	Standard	115	0.60	279	0.110	2	0.90	0.085	0.41	3.2	0.21	2.0	5.3	0.16	5	5.1	5.0
STD DS8	Standard	115	0.61	277	0.110	2	0.90	0.084	0.42	3.2	0.20	2.0	5.6	0.16	5	5.2	5.0
STD DS8	Standard	120	0.60	262	0.120	2	0.86	0.087	0.40	2.9	0.21	1.9	5.5	0.20	5	4.9	5.7
STD DS8	Standard	117	0.62	270	0.126	3	0.89	0.086	0.39	3.0	0.20	2.0	5.4	0.21	5	5.6	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: CCJV

Report Date: August 01, 2011

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QUALITY CONTROL REPORT

VAN11003381.1

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



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Page: 2 of 2 **Part** 2

QUALITY CONTROL REPORT

VAN11003381.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 20, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11003581.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID: HG-05
P.O. Number
Number of Samples: 75

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	74	Sorting of samples on arrival and labeling			VAN
1DX2	72	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
Report Date: August 20, 2011

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CERTIFICATE OF ANALYSIS

VAN11003581.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1180278	Soil Pulp	1.6	46.2	23.5	69	0.1	24.0	9.3	221	3.30	20.0	2.0	3.2	45	0.1	1.0	0.4	14	0.30	0.037
1180279	Soil Pulp	0.4	25.1	17.7	88	0.1	21.3	9.6	312	2.37	13.0	<0.5	1.8	55	0.2	0.6	0.2	13	1.59	0.052
1180280	Soil Pulp	6.6	69.3	11.9	220	1.0	49.3	8.8	1495	3.05	43.5	15.6	1.9	74	2.0	4.2	0.2	54	0.51	0.120
1180280	Soil Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1180430	Soil Pulp	0.6	47.8	23.2	54	<0.1	39.4	21.3	707	3.66	26.5	0.7	4.7	31	<0.1	1.1	0.4	12	0.35	0.048
1180567	Soil Pulp	0.7	44.2	16.2	59	0.2	31.0	14.6	436	3.05	37.7	1.0	1.5	40	0.3	1.9	0.2	24	4.06	0.045
1180569	Soil Pulp	0.9	37.7	24.6	80	0.1	31.2	17.6	613	3.25	19.2	0.8	4.7	59	0.2	0.6	0.3	10	1.30	0.072
1180570	Soil Pulp	0.7	43.2	31.6	90	<0.1	40.8	21.9	525	3.98	18.2	<0.5	4.5	22	<0.1	0.6	0.4	8	0.21	0.045
1180577	Soil Pulp	2.2	48.3	25.7	96	0.2	41.9	17.7	496	4.36	24.5	2.6	2.4	35	0.2	1.1	0.4	15	0.42	0.064
1180578	Soil Pulp	1.3	31.8	19.6	113	0.3	22.9	9.6	302	2.86	27.3	0.6	1.1	36	0.3	0.8	0.3	25	0.67	0.093
1180641	Soil Pulp	1.4	50.3	24.7	91	0.2	33.1	14.3	425	3.99	184.0	0.5	1.7	32	0.1	1.1	0.4	13	0.39	0.060
1180642	Soil Pulp	0.3	15.1	10.1	31	<0.1	11.0	4.0	216	1.02	10.4	<0.5	0.8	234	0.3	0.4	0.1	3	18.78	0.056
1180964	Soil Pulp	0.8	36.0	22.8	71	<0.1	31.3	16.3	527	3.20	22.0	1.5	4.4	55	0.1	0.9	0.3	10	1.57	0.054
1181451	Soil Pulp	0.7	22.2	27.1	104	<0.1	20.8	9.5	282	2.47	23.9	<0.5	1.4	20	0.3	0.5	0.3	26	0.18	0.038
1181452	Soil Pulp	0.6	32.9	7.9	41	<0.1	26.9	11.4	85	2.55	63.1	<0.5	2.2	11	<0.1	0.8	0.4	16	0.09	0.036
1181453	Soil Pulp	0.7	26.4	8.3	74	<0.1	21.0	9.8	87	1.47	46.5	0.6	0.5	9	0.1	0.4	0.2	28	<0.01	0.038
1181454	Soil Pulp	1.3	35.3	15.3	60	0.1	19.2	9.6	371	1.72	20.7	4.4	3.7	535	0.3	0.8	0.2	10	13.55	0.093
1181455	Soil Pulp	1.8	41.7	10.3	70	0.9	13.8	3.2	48	2.90	12.7	2.7	0.9	3	<0.1	1.9	0.3	42	0.02	0.052
1181602	Soil Pulp	0.7	31.1	25.2	95	<0.1	27.2	12.1	387	3.50	12.3	<0.5	2.9	13	<0.1	0.5	0.4	27	0.10	0.078
1181603	Soil Pulp	0.7	14.5	15.6	59	<0.1	16.8	6.3	291	2.73	11.0	<0.5	1.1	18	<0.1	0.3	0.3	34	0.26	0.146
1181604	Soil Pulp	0.7	27.1	22.2	71	0.1	23.4	8.0	308	2.68	12.2	<0.5	1.9	30	<0.1	0.3	0.3	19	0.41	0.081
1181605	Soil Pulp	1.2	36.5	21.9	65	0.1	27.9	14.2	491	2.93	13.1	0.9	4.8	110	0.3	0.5	0.3	14	4.29	0.066
1181606	Soil Pulp	0.8	27.0	13.5	57	<0.1	19.3	6.4	105	2.46	8.5	<0.5	1.9	60	<0.1	0.5	0.3	14	1.22	0.116
1181607	Soil Pulp	0.8	21.1	10.4	58	<0.1	17.8	7.0	225	2.80	10.0	<0.5	2.6	25	0.2	0.4	0.3	16	0.45	0.107
1181608	Soil Pulp	0.7	31.8	28.6	83	<0.1	33.3	16.3	468	4.25	16.3	<0.5	3.0	17	<0.1	0.4	0.4	19	0.16	0.067
1181609	Soil Pulp	0.5	32.7	16.2	66	<0.1	31.3	9.8	138	2.92	17.4	<0.5	2.5	40	<0.1	0.7	0.3	15	0.81	0.064
1181610	Soil Pulp	0.6	26.3	10.9	62	<0.1	18.6	9.8	345	2.57	39.6	<0.5	0.2	9	<0.1	0.7	0.3	25	0.05	0.054
1181611	Soil Pulp	0.6	36.2	24.7	84	<0.1	32.4	15.1	432	3.93	15.2	<0.5	2.8	21	<0.1	0.5	0.4	20	0.22	0.054
1181612	Soil Pulp	0.4	34.0	12.7	49	<0.1	22.0	9.5	251	2.51	7.7	<0.5	4.1	211	0.2	0.3	0.3	10	8.12	0.055
1181613	Soil Pulp	0.3	36.0	10.4	47	<0.1	20.0	9.6	373	1.71	7.0	<0.5	5.3	199	0.2	0.3	0.2	8	9.00	0.074



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180278	Soil Pulp	9	0.19	59	0.002	3	0.47	0.002	0.07	<0.1	0.42	4.2	0.2	<0.05	2	<0.5	<0.2
1180279	Soil Pulp	11	0.44	69	0.003	6	0.60	0.006	0.07	<0.1	0.19	2.3	<0.1	0.07	2	<0.5	<0.2
1180280	Soil Pulp	19	0.38	750	0.007	2	1.10	0.005	0.11	0.3	0.33	2.4	0.1	<0.05	3	4.7	<0.2
1180280	Soil Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1180430	Soil Pulp	9	0.24	74	0.002	1	0.55	0.002	0.06	<0.1	0.08	4.9	<0.1	<0.05	2	<0.5	<0.2
1180567	Soil Pulp	12	0.29	62	0.005	3	0.47	0.003	0.06	<0.1	0.27	4.3	<0.1	0.07	1	<0.5	<0.2
1180569	Soil Pulp	10	0.43	71	0.002	2	0.61	0.003	0.06	<0.1	0.10	3.8	<0.1	<0.05	2	<0.5	<0.2
1180570	Soil Pulp	8	0.16	50	<0.001	1	0.45	0.002	0.07	<0.1	0.14	3.6	<0.1	<0.05	2	<0.5	<0.2
1180577	Soil Pulp	10	0.26	57	0.002	4	0.46	0.005	0.09	0.1	0.32	4.5	0.1	0.07	1	0.7	<0.2
1180578	Soil Pulp	15	0.33	117	0.007	3	0.95	0.005	0.07	<0.1	0.37	3.4	<0.1	0.06	3	1.1	<0.2
1180641	Soil Pulp	6	0.15	71	0.001	2	0.39	0.002	0.06	<0.1	0.81	3.5	<0.1	<0.05	1	0.5	<0.2
1180642	Soil Pulp	3	0.36	60	0.001	6	0.18	0.002	0.04	<0.1	0.09	1.2	<0.1	0.21	<1	1.4	<0.2
1180964	Soil Pulp	9	0.54	64	0.001	1	0.47	0.004	0.06	<0.1	0.10	3.3	<0.1	<0.05	1	<0.5	<0.2
1181451	Soil Pulp	13	0.20	105	0.006	2	0.80	0.003	0.07	<0.1	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
1181452	Soil Pulp	7	0.04	32	<0.001	2	0.45	0.002	0.04	<0.1	0.06	2.2	<0.1	<0.05	2	<0.5	<0.2
1181453	Soil Pulp	7	0.03	25	0.002	1	0.35	0.001	0.03	<0.1	0.05	0.8	<0.1	<0.05	3	<0.5	<0.2
1181454	Soil Pulp	8	1.80	86	0.002	2	0.24	0.007	0.07	<0.1	0.10	3.1	<0.1	<0.05	<1	0.9	<0.2
1181455	Soil Pulp	30	0.07	164	0.006	<1	0.72	0.006	0.04	0.2	0.04	1.3	<0.1	<0.05	4	1.1	<0.2
1181602	Soil Pulp	23	0.40	80	0.004	1	1.46	0.003	0.08	<0.1	0.02	3.2	0.1	<0.05	4	<0.5	<0.2
1181603	Soil Pulp	19	0.26	177	0.004	<1	1.31	0.003	0.06	<0.1	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1181604	Soil Pulp	14	0.21	115	0.002	2	0.92	0.003	0.07	<0.1	0.09	3.0	<0.1	<0.05	2	<0.5	<0.2
1181605	Soil Pulp	13	1.23	80	0.002	3	0.81	0.004	0.08	<0.1	0.07	4.3	<0.1	<0.05	2	<0.5	<0.2
1181606	Soil Pulp	12	0.26	107	0.002	3	0.81	0.003	0.06	<0.1	0.06	3.2	<0.1	0.11	2	<0.5	<0.2
1181607	Soil Pulp	12	0.22	60	0.002	1	0.73	0.002	0.07	<0.1	0.03	4.5	<0.1	<0.05	2	<0.5	<0.2
1181608	Soil Pulp	19	0.40	67	0.002	<1	1.29	0.003	0.07	<0.1	0.07	2.8	0.1	<0.05	4	<0.5	<0.2
1181609	Soil Pulp	15	0.29	69	0.002	2	0.77	0.002	0.06	<0.1	0.06	4.1	<0.1	<0.05	2	<0.5	<0.2
1181610	Soil Pulp	8	0.04	38	0.004	1	0.29	0.002	0.06	<0.1	0.07	0.6	<0.1	<0.05	2	<0.5	<0.2
1181611	Soil Pulp	16	0.31	69	0.003	2	0.98	0.004	0.08	<0.1	0.08	3.9	<0.1	<0.05	3	<0.5	<0.2
1181612	Soil Pulp	12	0.96	67	0.002	2	0.44	0.005	0.08	<0.1	0.05	3.7	<0.1	<0.05	1	<0.5	<0.2
1181613	Soil Pulp	8	2.51	47	0.002	3	0.18	0.008	0.07	<0.1	0.05	3.9	<0.1	<0.05	<1	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181614	Soil Pulp	0.8	32.1	11.8	32	0.1	20.5	11.3	224	2.24	15.1	4.8	4.1	211	<0.1	0.7	0.2	15	8.40	0.081
1181615	Soil Pulp	0.8	35.7	21.0	98	0.2	27.1	11.2	277	3.13	13.7	<0.5	1.8	178	0.2	0.4	0.3	15	1.89	0.149
1181616	Soil Pulp	1.4	76.7	27.7	89	0.2	31.6	16.2	358	2.76	14.1	4.0	4.6	112	0.2	0.7	0.4	11	5.20	0.099
1181617	Soil Pulp	0.7	48.1	29.6	93	<0.1	35.3	17.1	567	3.93	19.1	<0.5	3.8	88	0.1	0.5	0.4	15	1.55	0.064
1181618	Soil Pulp	0.9	32.8	20.4	72	<0.1	19.1	8.8	321	2.93	13.9	<0.5	1.5	66	0.2	0.6	0.3	13	0.97	0.102
1181619	Soil Pulp	0.3	27.1	13.8	55	<0.1	22.8	10.1	240	2.18	6.4	<0.5	3.1	298	0.1	0.3	0.2	8	10.97	0.062
1181620	Soil Pulp	0.4	48.3	16.8	94	<0.1	36.9	14.1	313	2.61	16.3	<0.5	3.5	55	0.3	0.3	0.4	15	1.69	0.088
1181621	Soil Pulp	0.4	46.9	10.7	53	<0.1	29.0	13.2	517	2.34	25.3	3.0	5.5	136	0.2	0.5	0.3	11	7.29	0.089
1181622	Soil Pulp	1.0	60.7	22.5	88	0.2	34.0	16.4	313	2.37	14.5	4.8	8.0	218	0.2	0.9	0.4	10	8.66	0.075
1181623	Soil Pulp	1.3	65.1	32.5	96	0.1	39.5	15.6	289	3.26	14.0	<0.5	6.4	78	0.1	0.7	0.4	9	1.84	0.046
1181624	Soil Pulp	1.4	63.7	26.3	104	0.3	45.4	21.7	434	4.01	30.6	1.2	4.3	332	0.1	0.5	0.4	13	5.33	0.190
1181625	Soil Pulp	0.9	89.4	96.8	96	0.2	39.0	28.0	3666	4.15	13.2	<0.5	2.5	22	0.1	0.3	0.5	24	0.34	0.108
1181626	Soil Pulp	0.6	61.0	55.5	104	0.1	43.1	31.5	2081	4.40	17.9	<0.5	4.0	28	<0.1	0.2	0.4	21	0.23	0.089
1181627	Soil Pulp	0.8	42.0	26.2	91	0.1	35.3	15.4	361	4.14	28.1	<0.5	3.2	75	0.2	0.5	0.3	18	1.28	0.103
1181628	Soil Pulp	2.3	37.4	14.7	73	0.2	24.2	9.7	245	2.53	11.2	0.7	2.8	58	0.4	0.5	0.2	15	2.36	0.095
1181629	Soil Pulp	0.7	42.3	11.2	57	0.1	24.2	11.4	424	2.50	14.2	5.2	1.9	242	0.2	0.7	0.3	14	5.13	0.073
1181630	Soil Pulp	0.7	50.4	9.8	51	<0.1	29.6	13.0	529	2.84	10.6	1.2	3.2	87	<0.1	0.6	0.3	13	2.42	0.060
1181631	Soil Pulp	0.5	49.4	24.5	89	<0.1	34.5	15.9	400	2.73	7.0	1.7	8.4	86	0.2	0.5	0.4	16	3.31	0.085
1181632	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181633	Soil Pulp	0.7	33.1	28.8	91	0.1	31.1	18.2	562	3.95	13.3	<0.5	1.4	15	0.1	0.5	0.4	14	0.18	0.095
1181634	Soil Pulp	0.5	37.7	18.8	55	<0.1	30.0	16.7	361	3.06	64.1	<0.5	1.2	16	<0.1	0.8	0.4	11	0.18	0.087
1181635	Soil Pulp	0.8	38.5	28.5	86	<0.1	31.8	16.2	498	3.58	42.8	0.6	1.5	12	0.3	0.7	0.3	18	0.14	0.064
1181636	Soil Pulp	1.0	44.0	22.6	85	<0.1	38.1	19.0	276	3.94	39.9	<0.5	0.6	9	<0.1	2.0	0.5	20	0.03	0.064
1181637	Soil Pulp	0.5	41.9	28.3	80	<0.1	34.2	16.5	265	3.53	136.3	1.1	0.9	12	<0.1	1.8	0.5	20	0.02	0.042
1181638	Soil Pulp	0.8	29.1	51.0	72	<0.1	20.4	10.0	212	2.58	32.2	1.3	0.5	10	0.3	0.7	0.3	29	0.05	0.060
1181639	Soil Pulp	0.6	29.9	42.9	70	0.1	23.9	10.3	226	2.25	50.1	2.7	1.8	19	<0.1	0.7	0.4	20	0.15	0.062
1181640	Soil Pulp	1.4	14.2	6.6	37	<0.1	10.7	3.9	129	1.53	11.4	<0.5	<0.1	9	0.1	0.7	0.2	56	0.06	0.052
1181641	Soil Pulp	1.1	30.7	15.0	53	<0.1	22.7	11.4	267	2.97	46.1	0.6	0.4	9	0.1	1.2	0.3	40	0.05	0.043
1181642	Soil Pulp	1.1	37.8	19.5	59	0.1	28.1	13.4	695	5.84	63.8	0.7	1.6	12	<0.1	1.6	0.3	30	0.30	0.075
1181643	Soil Pulp	0.9	39.7	20.7	69	0.2	43.9	17.1	4262	25.53	628.3	3.5	1.8	30	0.3	4.3	0.2	27	0.92	0.098



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181614	Soil Pulp	10	2.09	68	0.001	2	0.24	0.007	0.09	<0.1	0.17	4.1	<0.1	<0.05	<1	1.2	<0.2
1181615	Soil Pulp	12	0.35	79	0.004	6	0.87	0.007	0.08	<0.1	0.08	3.8	<0.1	0.06	2	<0.5	<0.2
1181616	Soil Pulp	9	1.15	144	0.001	2	0.52	0.004	0.08	<0.1	0.06	4.7	<0.1	<0.05	1	1.0	<0.2
1181617	Soil Pulp	19	0.66	45	0.001	2	1.19	0.002	0.07	<0.1	0.04	5.5	<0.1	<0.05	3	<0.5	<0.2
1181618	Soil Pulp	10	0.06	124	0.001	1	0.58	0.003	0.05	<0.1	0.11	3.0	<0.1	0.07	1	1.0	<0.2
1181619	Soil Pulp	8	0.16	38	0.001	1	0.25	0.002	0.04	<0.1	0.04	4.0	<0.1	<0.05	<1	<0.5	<0.2
1181620	Soil Pulp	16	0.80	59	0.002	4	0.35	0.004	0.09	<0.1	0.06	4.4	<0.1	<0.05	1	0.8	<0.2
1181621	Soil Pulp	8	1.88	82	0.001	3	0.22	0.005	0.07	<0.1	0.17	5.3	<0.1	<0.05	<1	1.1	<0.2
1181622	Soil Pulp	8	1.58	124	0.001	3	0.32	0.004	0.07	<0.1	0.07	4.5	<0.1	<0.05	<1	1.1	<0.2
1181623	Soil Pulp	11	0.57	68	<0.001	3	0.43	0.003	0.08	<0.1	0.21	3.2	0.1	0.07	1	0.7	<0.2
1181624	Soil Pulp	11	0.19	107	0.002	5	0.46	0.004	0.13	<0.1	0.16	3.7	0.2	0.18	1	1.4	<0.2
1181625	Soil Pulp	23	0.75	467	0.006	2	1.67	0.004	0.06	<0.1	0.14	5.4	<0.1	<0.05	4	0.6	<0.2
1181626	Soil Pulp	26	0.94	149	0.006	2	1.90	0.002	0.08	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1181627	Soil Pulp	18	0.71	36	0.003	4	1.17	0.003	0.07	<0.1	0.06	5.5	<0.1	<0.05	3	1.3	<0.2
1181628	Soil Pulp	11	1.25	56	0.002	3	0.62	0.004	0.08	<0.1	0.06	3.6	<0.1	<0.05	2	0.6	<0.2
1181629	Soil Pulp	10	0.85	216	0.003	2	0.39	0.004	0.05	<0.1	0.11	3.4	<0.1	<0.05	1	0.8	<0.2
1181630	Soil Pulp	10	1.00	234	0.002	2	0.57	0.004	0.07	<0.1	0.04	5.5	<0.1	<0.05	1	1.1	<0.2
1181631	Soil Pulp	27	2.01	111	0.006	3	1.25	0.005	0.11	<0.1	0.03	4.2	<0.1	<0.05	4	1.5	<0.2
1181632	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181633	Soil Pulp	14	0.23	53	0.002	1	0.79	0.003	0.07	<0.1	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1181634	Soil Pulp	5	0.08	57	<0.001	<1	0.29	0.002	0.09	<0.1	0.06	2.3	<0.1	<0.05	1	0.7	<0.2
1181635	Soil Pulp	10	0.12	83	0.003	<1	0.51	0.002	0.05	<0.1	0.09	2.6	<0.1	<0.05	2	0.8	<0.2
1181636	Soil Pulp	9	0.05	41	0.002	<1	0.47	0.002	0.05	<0.1	0.10	2.3	0.1	<0.05	2	<0.5	<0.2
1181637	Soil Pulp	12	0.03	43	0.001	<1	0.44	0.001	0.05	<0.1	0.29	1.6	0.1	<0.05	2	0.5	<0.2
1181638	Soil Pulp	11	0.14	66	0.007	<1	0.60	0.002	0.05	<0.1	0.09	1.1	0.1	<0.05	3	0.6	<0.2
1181639	Soil Pulp	9	0.10	381	0.003	<1	0.56	0.004	0.09	<0.1	0.28	2.5	<0.1	<0.05	2	1.1	<0.2
1181640	Soil Pulp	13	0.07	65	0.008	<1	0.67	0.002	0.03	0.1	0.05	0.5	0.1	<0.05	5	<0.5	<0.2
1181641	Soil Pulp	18	0.19	62	0.011	2	0.85	0.002	0.04	0.1	0.10	1.6	0.1	<0.05	4	<0.5	<0.2
1181642	Soil Pulp	14	0.18	123	0.003	2	0.90	0.002	0.07	<0.1	0.57	4.5	<0.1	<0.05	3	<0.5	<0.2
1181643	Soil Pulp	14	0.63	178	0.006	3	0.74	0.003	0.03	<0.1	8.85	4.1	0.3	<0.05	2	1.2	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1181644	Soil Pulp	0.7	37.6	19.5	69	0.2	41.3	17.0	4453	26.94	87.1	4.4	1.6	32	0.4	1.8	0.2	25	1.29	0.104
1181645	Soil Pulp	0.7	88.5	17.4	82	<0.1	46.1	25.9	778	5.09	34.4	1.3	2.1	13	0.3	1.0	0.5	23	0.19	0.057
1181646	Soil Pulp	1.6	97.0	11.0	71	<0.1	43.1	22.0	793	5.81	55.7	1.4	1.2	8	0.2	1.3	0.2	65	0.29	0.095
1181647	Soil Pulp	0.5	179.3	25.7	115	<0.1	71.5	39.3	1490	8.16	49.1	<0.5	1.4	11	0.5	0.8	0.2	60	0.12	0.082
1181648	Soil Pulp	0.9	91.2	8.8	78	<0.1	42.5	20.7	763	4.49	14.9	2.0	1.8	15	0.2	0.7	0.1	113	0.18	0.061
1181649	Soil Pulp	1.4	44.4	14.0	78	<0.1	28.3	12.9	443	3.74	21.0	2.5	0.8	13	0.3	1.0	0.2	65	0.10	0.063
1181650	Soil Pulp	1.6	66.3	14.3	77	<0.1	35.0	20.5	852	4.16	18.2	1.6	0.6	15	0.3	1.0	0.2	82	0.13	0.075
1181651	Soil Pulp	1.5	37.0	10.9	82	<0.1	25.8	10.1	386	3.19	16.6	0.9	0.7	12	0.3	0.9	0.3	57	0.08	0.061
1181652	Soil Pulp	0.3	152.2	6.2	56	0.1	60.6	29.1	2043	8.39	12.3	1.5	1.1	15	0.1	0.4	0.1	65	0.66	0.080
1181653	Soil Pulp	1.5	45.2	12.0	78	<0.1	23.5	10.7	641	4.03	12.8	1.4	0.3	11	0.3	0.9	0.3	86	0.08	0.074
1181654	Soil Pulp	1.3	40.4	9.5	59	<0.1	17.3	11.3	866	3.64	7.4	<0.5	1.1	12	0.2	0.8	0.3	148	0.21	0.067
1181655	Soil Pulp	1.0	82.8	13.0	94	0.1	30.9	26.8	1465	4.69	8.4	1.8	0.3	24	0.5	0.6	0.2	83	0.69	0.174
1181656	Soil Pulp	1.3	108.8	9.2	88	<0.1	38.3	21.8	1031	4.84	11.5	<0.5	2.4	16	0.2	0.8	0.2	159	0.25	0.034
1182176	Soil Pulp	1.4	36.9	22.4	91	0.1	26.0	15.3	542	2.55	13.5	1.6	2.5	72	0.7	0.6	0.3	12	1.01	0.080
1182180	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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Project: CCJV
Report Date: August 20, 2011

Page: 4 of 4 **Part** 2

CERTIFICATE OF ANALYSIS

VAN11003581.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181644	Soil Pulp	12	0.58	174	0.005	3	0.57	0.002	0.05	<0.1	0.63	4.4	0.1	<0.05	2	1.0	<0.2
1181645	Soil Pulp	10	0.09	83	0.002	1	0.44	0.002	0.08	<0.1	0.15	6.8	<0.1	0.05	1	0.6	<0.2
1181646	Soil Pulp	31	0.27	104	0.005	<1	1.06	0.006	0.05	0.1	0.13	7.5	<0.1	0.05	4	<0.5	<0.2
1181647	Soil Pulp	27	0.12	230	0.003	2	0.56	0.002	0.08	<0.1	0.07	14.8	<0.1	<0.05	2	<0.5	<0.2
1181648	Soil Pulp	61	1.05	160	0.037	2	1.97	0.005	0.04	<0.1	0.04	8.6	<0.1	<0.05	7	0.7	<0.2
1181649	Soil Pulp	32	0.48	89	0.019	<1	1.69	0.004	0.04	0.2	0.05	2.6	0.1	<0.05	6	0.9	<0.2
1181650	Soil Pulp	36	0.55	137	0.019	2	1.66	0.005	0.05	0.1	0.05	4.7	<0.1	<0.05	6	0.5	<0.2
1181651	Soil Pulp	31	0.45	96	0.023	2	1.72	0.005	0.05	0.2	0.05	2.3	0.1	<0.05	5	1.4	<0.2
1181652	Soil Pulp	22	0.19	76	0.002	3	0.48	0.002	0.08	<0.1	0.07	18.2	<0.1	<0.05	2	0.8	<0.2
1181653	Soil Pulp	34	0.36	121	0.021	1	1.48	0.004	0.07	0.1	0.07	2.1	0.1	<0.05	7	1.0	<0.2
1181654	Soil Pulp	34	0.29	131	0.123	3	1.17	0.003	0.08	0.1	0.05	4.8	<0.1	<0.05	9	<0.5	<0.2
1181655	Soil Pulp	36	0.75	150	0.014	3	1.90	0.004	0.11	0.1	0.05	3.7	<0.1	0.07	8	0.6	<0.2
1181656	Soil Pulp	40	0.57	110	0.219	4	1.67	0.005	0.07	0.1	0.06	4.8	<0.1	<0.05	7	0.9	<0.2
1182176	Soil Pulp	13	0.46	117	0.002	2	0.82	0.006	0.06	<0.1	0.11	2.4	<0.1	<0.05	2	0.6	<0.2
1182180	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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Project: CCJV

Report Date: August 20, 2011

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QUALITY CONTROL REPORT

VAN11003581.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1180570	Soil Pulp	0.7	43.2	31.6	90	<0.1	40.8	21.9	525	3.98	18.2	<0.5	4.5	22	<0.1	0.6	0.4	8	0.21	0.045	5
REP 1180570	QC	0.6	42.1	31.2	88	<0.1	40.1	21.1	525	3.97	18.5	1.6	4.6	22	<0.1	0.7	0.4	9	0.20	0.044	5
1181612	Soil Pulp	0.4	34.0	12.7	49	<0.1	22.0	9.5	251	2.51	7.7	<0.5	4.1	211	0.2	0.3	0.3	10	8.12	0.055	7
REP 1181612	QC	0.4	33.2	12.2	47	<0.1	22.2	9.5	246	2.43	7.5	<0.5	3.7	205	0.1	0.3	0.3	9	7.78	0.054	7
1181627	Soil Pulp	0.8	42.0	26.2	91	0.1	35.3	15.4	361	4.14	28.1	<0.5	3.2	75	0.2	0.5	0.3	18	1.28	0.103	14
REP 1181627	QC	1.0	41.3	26.3	91	0.1	34.4	15.7	362	4.10	27.5	<0.5	3.1	74	0.1	0.5	0.3	18	1.30	0.105	14
1181650	Soil Pulp	1.6	66.3	14.3	77	<0.1	35.0	20.5	852	4.16	18.2	1.6	0.6	15	0.3	1.0	0.2	82	0.13	0.075	11
REP 1181650	QC	1.4	66.1	14.6	76	<0.1	34.3	20.5	852	4.16	17.9	1.6	0.6	15	0.4	1.0	0.2	81	0.13	0.074	12
Reference Materials																					
STD DS8	Standard	12.6	111.5	133.0	326	1.9	37.4	7.3	604	2.47	28.0	117.2	7.0	68	2.3	5.7	7.2	39	0.68	0.081	13
STD DS8	Standard	12.8	106.7	126.3	305	1.8	36.7	7.6	603	2.44	25.8	106.3	6.8	67	2.1	5.5	6.3	43	0.67	0.077	14
STD DS8	Standard	12.7	108.5	123.6	311	1.8	38.2	7.2	618	2.49	28.3	99.2	6.7	68	2.4	5.0	6.5	46	0.67	0.081	14
STD DS8	Standard	13.0	116.0	129.0	316	1.8	39.1	8.0	637	2.56	25.1	115.1	7.2	69	2.4	6.4	6.9	44	0.69	0.082	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11003581.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1180570	Soil Pulp	8	0.16	50	<0.001	1	0.45	0.002	0.07	<0.1	0.14	3.6	<0.1	<0.05	2	<0.5	<0.2
REP 1180570	QC	8	0.16	51	<0.001	2	0.46	0.003	0.07	<0.1	0.14	3.7	<0.1	<0.05	1	<0.5	<0.2
1181612	Soil Pulp	12	0.96	67	0.002	2	0.44	0.005	0.08	<0.1	0.05	3.7	<0.1	<0.05	1	<0.5	<0.2
REP 1181612	QC	12	0.94	65	0.001	2	0.41	0.004	0.07	<0.1	0.06	3.6	<0.1	<0.05	1	<0.5	<0.2
1181627	Soil Pulp	18	0.71	36	0.003	4	1.17	0.003	0.07	<0.1	0.06	5.5	<0.1	<0.05	3	1.3	<0.2
REP 1181627	QC	17	0.71	37	0.003	4	1.19	0.003	0.07	<0.1	0.06	5.4	0.1	<0.05	3	0.8	<0.2
1181650	Soil Pulp	36	0.55	137	0.019	2	1.66	0.005	0.05	0.1	0.05	4.7	<0.1	<0.05	6	0.5	<0.2
REP 1181650	QC	36	0.55	138	0.020	<1	1.65	0.005	0.05	0.2	0.04	4.8	0.1	<0.05	6	0.7	<0.2
Reference Materials																	
STD DS8	Standard	113	0.61	266	0.109	3	0.89	0.085	0.43	2.9	0.21	2.3	5.5	0.12	5	5.5	4.8
STD DS8	Standard	118	0.57	271	0.118	3	0.91	0.088	0.41	2.8	0.20	2.4	5.1	0.14	5	4.7	5.2
STD DS8	Standard	119	0.60	268	0.116	2	0.90	0.086	0.41	2.8	0.20	2.2	5.3	0.12	5	5.2	5.1
STD DS8	Standard	120	0.63	289	0.115	2	0.93	0.099	0.42	3.1	0.22	2.0	5.6	0.16	5	4.8	5.2
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: August 24, 2011
Report Date: September 24, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11004183.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-07
Number of Samples: 186

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	186	Sorting of samples on arrival and labeling			VAN
1DX2	186	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004183.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1373210	Soil Pulp	2.0	199.3	40.9	107	0.3	62.4	85.7	3100	7.29	78.8	6.9	2.4	31	0.3	1.0	0.3	72	0.23	0.114
1373211	Soil Pulp	0.9	175.9	17.4	89	0.1	53.7	40.1	1965	6.59	33.9	2.9	2.3	15	0.4	0.7	0.2	94	0.24	0.112
1373212	Soil Pulp	1.2	116.4	27.5	100	<0.1	49.2	47.4	2101	6.32	36.9	2.1	2.2	20	0.4	0.7	0.3	76	0.41	0.155
1373213	Soil Pulp	1.1	111.4	35.2	85	0.1	39.0	35.2	2663	4.83	14.7	3.5	2.1	21	0.4	0.8	0.2	91	0.40	0.133
1373214	Soil Pulp	1.3	157.4	24.0	101	0.2	67.7	38.9	1338	6.35	81.8	5.2	1.8	14	0.4	1.6	0.3	63	0.18	0.077
1373215	Soil Pulp	0.6	112.9	23.0	88	0.2	60.2	40.7	1477	6.89	48.4	2.1	2.5	11	0.2	0.7	0.3	59	0.25	0.059
1373216	Soil Pulp	0.9	66.0	22.0	82	0.2	47.3	29.4	3046	5.18	35.5	2.7	2.1	13	0.2	0.9	0.2	42	0.36	0.070
1373217	Soil Pulp	1.1	36.5	12.4	69	<0.1	25.9	12.7	433	3.00	15.4	1.1	3.9	18	0.2	0.7	0.2	41	0.28	0.093
1373218	Soil Pulp	1.1	32.8	13.4	80	<0.1	29.0	9.8	387	3.30	86.3	5.8	1.6	10	0.3	0.9	0.3	44	0.13	0.083
1373219	Soil Pulp	1.6	49.2	16.0	94	0.1	34.9	13.4	539	4.50	52.5	3.9	1.6	14	0.3	1.0	0.3	61	0.16	0.080
1373220	Soil Pulp	1.0	136.0	18.1	92	0.1	55.1	33.9	2391	7.94	53.0	4.0	2.3	7	0.3	0.8	0.2	78	0.19	0.080
1373221	Soil Pulp	1.7	126.4	20.0	97	0.1	49.4	31.6	1714	6.25	44.9	3.2	1.8	5	0.2	1.4	0.2	78	0.09	0.101
1373222	Soil Pulp	0.9	137.1	9.8	92	0.1	51.3	28.0	1376	7.17	54.4	4.1	1.4	6	0.5	0.8	0.2	88	0.20	0.111
1373223	Soil Pulp	0.6	145.9	8.3	77	<0.1	56.1	28.4	945	8.14	29.3	2.6	1.0	8	0.2	0.6	0.2	98	0.33	0.099
1373224	Soil Pulp	1.3	165.8	18.1	73	0.1	53.1	25.5	933	5.79	46.0	3.8	2.5	13	0.1	1.7	0.3	59	0.26	0.059
1373225	Soil Pulp	2.6	58.4	21.4	64	<0.1	24.3	11.8	415	3.43	25.2	2.2	2.0	9	0.1	1.2	0.3	23	0.07	0.025
1373226	Soil Pulp	0.8	31.4	14.7	68	0.1	24.5	11.1	2781	14.15	19.7	10.8	0.9	94	0.5	1.0	0.2	26	1.51	0.110
1373227	Soil Pulp	1.2	32.5	15.2	75	<0.1	26.8	11.7	826	5.09	21.0	1.4	1.6	33	0.3	1.2	0.2	43	0.51	0.091
1373228	Soil Pulp	1.1	68.3	26.9	44	<0.1	39.5	19.2	447	4.14	68.7	0.6	2.0	10	<0.1	2.8	0.4	20	0.13	0.048
1373229	Soil Pulp	1.0	44.6	34.8	54	0.2	36.3	18.2	603	4.45	73.9	1.3	2.1	11	0.1	4.1	0.4	24	0.18	0.068
1373230	Soil Pulp	1.3	40.7	22.4	69	<0.1	29.4	13.3	607	4.92	42.5	1.7	2.2	11	<0.1	1.5	0.3	35	0.16	0.073
1373231	Soil Pulp	1.0	58.5	15.1	58	<0.1	38.0	17.8	602	4.76	61.0	2.0	1.6	10	0.2	2.0	0.3	32	0.09	0.052
1373232	Soil Pulp	4.1	97.4	63.0	667	0.2	69.5	44.8	2780	4.41	92.7	2.6	4.5	120	1.5	2.2	0.5	11	0.99	0.031
1373233	Soil Pulp	1.7	85.1	28.4	63	0.2	58.9	26.8	1791	10.24	113.8	3.1	2.9	8	0.3	4.6	0.4	27	0.08	0.069
1373234	Soil Pulp	1.3	15.6	11.1	48	<0.1	14.9	5.1	188	2.48	12.0	1.2	0.3	11	0.1	0.8	0.3	51	0.10	0.062
1373235	Soil Pulp	0.4	21.1	5.0	66	<0.1	14.2	12.1	1489	5.06	11.1	<0.5	3.1	6	0.4	0.3	0.2	22	0.18	0.076
1373236	Soil Pulp	1.1	37.1	16.4	44	<0.1	25.1	13.2	369	2.53	67.8	0.7	1.5	14	0.2	1.4	0.4	38	0.16	0.160
1373237	Soil Pulp	1.2	18.7	12.8	63	<0.1	18.4	7.7	316	2.89	18.2	1.0	0.7	20	0.1	0.7	0.3	46	0.36	0.089
1373238	Soil Pulp	0.9	36.3	12.8	61	0.4	21.4	8.3	414	2.27	19.7	0.8	1.4	64	0.2	0.8	0.3	28	1.55	0.275
1373239	Soil Pulp	1.3	16.5	13.6	44	<0.1	12.5	6.0	405	2.44	19.3	<0.5	0.3	11	0.1	0.7	0.4	46	0.06	0.057



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1373210	Soil Pulp	41	0.78	113	0.029	3	2.36	0.012	0.15	<0.1	0.09	11.4	0.1	0.11	7	1.3	<0.2
1373211	Soil Pulp	44	0.73	137	0.008	2	1.90	0.003	0.11	<0.1	0.05	13.5	<0.1	<0.05	6	1.0	<0.2
1373212	Soil Pulp	41	0.68	109	0.006	3	1.85	0.004	0.12	<0.1	0.05	9.4	0.1	0.07	6	0.9	<0.2
1373213	Soil Pulp	47	1.11	125	0.013	1	2.46	0.004	0.09	0.1	0.05	10.9	0.1	0.06	7	0.6	<0.2
1373214	Soil Pulp	30	0.26	180	0.004	2	0.92	0.002	0.08	<0.1	0.20	12.3	<0.1	<0.05	3	<0.5	<0.2
1373215	Soil Pulp	31	0.21	125	0.002	2	0.64	0.002	0.06	<0.1	0.10	12.0	<0.1	<0.05	2	0.8	<0.2
1373216	Soil Pulp	24	0.29	164	0.006	2	1.13	0.003	0.06	<0.1	0.10	7.5	<0.1	<0.05	3	0.7	<0.2
1373217	Soil Pulp	24	0.44	112	0.036	3	1.11	0.005	0.05	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1373218	Soil Pulp	25	0.39	113	0.011	1	1.50	0.004	0.05	0.1	0.23	4.0	0.1	<0.05	4	0.8	<0.2
1373219	Soil Pulp	31	0.52	191	0.027	3	1.65	0.005	0.07	0.1	0.17	5.4	0.1	0.05	5	0.7	<0.2
1373220	Soil Pulp	37	0.36	147	0.003	2	1.31	0.002	0.06	<0.1	0.14	13.3	0.1	<0.05	3	1.0	<0.2
1373221	Soil Pulp	45	0.57	96	0.004	1	1.67	0.003	0.07	<0.1	0.16	9.2	0.1	<0.05	6	0.6	<0.2
1373222	Soil Pulp	47	0.53	94	0.002	1	1.65	0.004	0.07	<0.1	0.15	15.2	<0.1	<0.05	6	0.6	<0.2
1373223	Soil Pulp	41	0.26	130	0.002	1	0.95	0.003	0.07	<0.1	0.06	17.7	<0.1	<0.05	3	<0.5	<0.2
1373224	Soil Pulp	25	0.20	85	0.004	2	0.68	0.003	0.06	<0.1	0.30	10.7	<0.1	<0.05	2	0.8	<0.2
1373225	Soil Pulp	10	0.08	56	0.002	2	0.45	0.002	0.06	<0.1	0.17	4.8	<0.1	<0.05	1	0.5	<0.2
1373226	Soil Pulp	13	0.19	188	0.003	2	0.61	0.002	0.04	<0.1	0.12	4.0	<0.1	0.10	2	1.0	<0.2
1373227	Soil Pulp	21	0.29	133	0.010	2	1.12	0.004	0.05	0.2	0.06	3.2	<0.1	0.05	4	0.5	<0.2
1373228	Soil Pulp	10	0.09	70	0.003	2	0.48	0.007	0.08	<0.1	0.18	5.9	0.1	<0.05	2	0.6	<0.2
1373229	Soil Pulp	11	0.11	109	0.004	2	0.61	0.003	0.09	<0.1	0.60	4.7	0.1	<0.05	2	0.7	<0.2
1373230	Soil Pulp	20	0.23	121	0.004	5	0.97	0.003	0.06	<0.1	0.31	4.4	<0.1	<0.05	3	0.8	<0.2
1373231	Soil Pulp	17	0.19	86	0.008	3	0.84	0.003	0.05	0.1	0.92	3.8	0.1	<0.05	3	<0.5	<0.2
1373232	Soil Pulp	5	0.03	54	<0.001	4	0.22	0.002	0.07	<0.1	0.90	6.7	0.2	<0.05	<1	3.5	0.3
1373233	Soil Pulp	14	0.16	134	0.005	4	0.78	0.002	0.05	<0.1	0.95	7.0	0.1	<0.05	2	0.8	0.2
1373234	Soil Pulp	25	0.28	108	0.014	2	1.33	0.004	0.07	0.2	0.07	0.9	0.2	0.06	7	<0.5	<0.2
1373235	Soil Pulp	8	0.08	74	0.003	1	0.30	0.003	0.06	<0.1	0.09	5.4	<0.1	<0.05	1	<0.5	<0.2
1373236	Soil Pulp	19	0.11	140	0.005	2	1.15	0.003	0.10	<0.1	0.28	3.5	0.2	0.10	4	0.6	<0.2
1373237	Soil Pulp	21	0.34	231	0.009	2	1.28	0.004	0.08	<0.1	0.05	1.9	0.1	<0.05	5	0.6	<0.2
1373238	Soil Pulp	19	0.43	173	0.015	5	1.32	0.007	0.10	<0.1	0.15	3.2	<0.1	0.24	4	0.9	<0.2
1373239	Soil Pulp	15	0.11	83	0.013	2	0.81	0.004	0.08	0.1	0.05	1.2	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1373240	Soil Pulp	1.9	66.6	38.8	114	0.1	47.0	22.2	671	5.60	48.8	1.4	2.2	9	0.1	3.2	0.5	13	0.01	0.065	4
1373241	Soil Pulp	2.3	44.6	21.4	70	<0.1	30.5	10.6	175	3.99	37.5	<0.5	0.8	12	0.1	1.3	0.5	21	0.01	0.070	7
1373242	Soil Pulp	3.1	58.5	21.9	92	<0.1	34.2	12.7	187	4.43	33.0	1.2	1.4	15	0.2	1.5	0.6	20	0.01	0.065	6
1373243	Soil Pulp	2.5	43.5	20.2	81	<0.1	27.4	12.0	192	3.68	25.4	1.1	0.6	14	0.1	1.1	0.5	27	0.02	0.085	7
1373244	Soil Pulp	0.9	37.9	17.6	78	<0.1	31.5	14.1	356	3.59	40.4	0.9	0.8	12	<0.1	0.9	0.5	23	0.03	0.057	7
1373245	Soil Pulp	0.5	40.6	26.5	81	<0.1	25.0	17.5	730	2.65	51.4	<0.5	1.2	14	0.1	0.6	0.5	12	0.11	0.063	7
1373246	Soil Pulp	3.1	68.1	27.1	111	<0.1	41.4	19.7	612	5.25	36.5	1.6	2.0	15	0.2	1.4	0.6	18	0.01	0.065	6
1373247	Soil Pulp	2.9	93.4	40.7	150	0.2	62.5	32.3	871	6.67	35.0	3.7	5.0	31	0.4	1.4	0.6	17	0.09	0.072	6
1373248	Soil Pulp	1.0	32.8	18.4	59	<0.1	21.9	15.1	974	2.96	27.5	<0.5	0.2	8	0.1	0.9	0.3	32	0.04	0.079	6
1373249	Soil Pulp	1.4	33.0	20.7	118	0.4	25.0	9.9	257	3.05	23.6	0.8	1.5	34	0.2	0.8	0.3	26	0.55	0.085	9
1373250	Soil Pulp	0.7	53.6	11.5	56	0.4	31.9	14.1	458	2.44	68.5	0.7	1.8	37	0.2	1.0	0.3	24	0.83	0.125	6
1373251	Soil Pulp	1.9	28.6	14.6	71	<0.1	18.5	8.6	441	2.94	20.0	<0.5	0.2	7	0.2	1.2	0.3	52	0.06	0.070	11
1373252	Soil Pulp	1.1	12.8	10.4	37	<0.1	11.7	4.7	313	2.07	30.4	<0.5	0.2	14	0.1	0.8	0.3	62	0.14	0.063	12
1373253	Soil Pulp	0.9	11.1	11.1	60	<0.1	13.5	5.0	178	2.33	11.2	<0.5	0.4	23	<0.1	0.4	0.3	55	0.35	0.114	12
1373254	Soil Pulp	0.9	23.7	13.2	93	0.2	24.5	10.1	463	3.15	25.2	1.1	0.9	21	0.2	0.8	0.3	46	0.35	0.148	11
1373255	Soil Pulp	1.0	19.2	10.7	88	0.1	19.2	7.4	485	3.25	22.1	0.9	0.4	15	0.1	0.6	0.3	52	0.24	0.117	10
1373256	Soil Pulp	1.4	16.8	11.2	41	<0.1	14.4	5.6	224	2.18	17.9	1.0	0.3	15	<0.1	0.8	0.4	63	0.18	0.070	13
1373257	Soil Pulp	1.6	16.9	12.4	59	<0.1	16.7	6.1	304	2.85	13.2	0.7	0.6	11	0.1	1.0	0.3	66	0.10	0.055	12
1373258	Soil Pulp	1.7	21.7	14.4	50	<0.1	16.3	10.1	1085	2.55	21.0	0.8	0.2	19	0.2	0.9	0.4	76	0.48	0.118	11
1373259	Soil Pulp	1.3	31.8	21.2	56	0.1	25.3	13.6	997	5.33	46.4	0.5	1.3	23	0.2	1.2	0.3	50	0.53	0.184	7
1373260	Soil Pulp	1.6	45.9	19.6	70	0.1	34.2	14.0	1148	9.41	45.0	3.5	2.5	18	0.3	1.5	0.3	41	0.30	0.088	11
1373261	Soil Pulp	0.9	51.6	19.2	62	0.2	34.7	15.0	2782	17.61	42.6	4.1	2.2	21	0.3	1.5	0.2	32	0.90	0.082	8
1373262	Soil Pulp	0.8	63.8	22.1	71	0.2	43.5	18.3	4260	22.95	61.5	4.2	2.0	41	0.5	1.8	0.2	27	0.86	0.092	8
1373263	Soil Pulp	3.0	140.3	16.3	26	<0.1	67.1	36.5	2592	6.13	44.7	3.1	2.0	9	<0.1	1.5	0.8	16	0.05	0.042	5
1373264	Soil Pulp	1.0	154.4	32.6	76	0.2	68.6	42.6	1655	6.23	63.0	2.8	1.5	10	0.4	1.9	0.3	34	0.19	0.071	6
1373265	Soil Pulp	0.5	210.7	11.7	98	0.1	70.5	39.8	2158	10.99	21.3	4.4	1.0	13	0.3	0.5	0.2	133	0.37	0.072	6
1373266	Soil Pulp	0.9	203.0	73.9	108	0.2	67.3	40.3	1461	6.97	159.0	4.5	1.4	11	1.0	1.8	0.3	43	0.45	0.079	4
1373267	Soil Pulp	0.7	67.7	27.6	64	0.2	51.0	26.2	1076	5.87	347.8	3.4	2.2	18	0.1	1.9	0.4	19	0.43	0.049	4
1373268	Soil Pulp	1.2	59.8	54.1	36	0.4	48.1	25.0	767	5.13	720.1	7.1	2.3	21	0.2	4.6	0.3	21	0.51	0.076	4
1373269	Soil Pulp	0.4	52.9	6.9	33	<0.1	23.3	15.0	628	3.46	31.7	0.7	3.2	19	<0.1	0.5	0.3	26	0.23	0.051	5



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1373240	Soil Pulp	6	0.04	34	0.001	<1	0.30	0.001	0.07	<0.1	0.39	4.9	0.3	<0.05	1	0.9	0.2
1373241	Soil Pulp	10	0.08	34	0.004	<1	0.52	0.002	0.06	<0.1	0.07	1.8	0.1	<0.05	2	<0.5	<0.2
1373242	Soil Pulp	10	0.06	36	0.004	1	0.47	0.002	0.07	<0.1	0.08	2.9	0.1	<0.05	2	0.7	<0.2
1373243	Soil Pulp	12	0.08	49	0.004	2	0.74	0.003	0.08	<0.1	0.05	1.8	0.2	<0.05	3	<0.5	<0.2
1373244	Soil Pulp	10	0.05	50	0.004	2	0.48	0.002	0.08	<0.1	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1373245	Soil Pulp	5	0.05	51	0.001	1	0.30	0.002	0.09	<0.1	0.06	1.5	<0.1	<0.05	1	0.6	<0.2
1373246	Soil Pulp	9	0.04	39	0.003	1	0.40	0.002	0.08	<0.1	0.15	3.9	0.2	<0.05	2	1.1	0.3
1373247	Soil Pulp	9	0.06	58	0.006	2	0.34	0.002	0.09	<0.1	0.38	7.0	0.3	<0.05	1	1.4	<0.2
1373248	Soil Pulp	12	0.05	75	0.005	1	0.54	0.002	0.07	<0.1	0.07	0.8	0.1	<0.05	3	<0.5	<0.2
1373249	Soil Pulp	17	0.32	128	0.007	3	1.04	0.005	0.10	<0.1	0.38	3.8	0.1	0.07	3	1.1	<0.2
1373250	Soil Pulp	15	0.24	143	0.003	3	1.00	0.004	0.13	<0.1	0.59	5.8	0.2	0.11	3	1.0	<0.2
1373251	Soil Pulp	16	0.09	109	0.007	1	0.73	0.003	0.10	<0.1	0.06	1.0	0.2	<0.05	5	<0.5	<0.2
1373252	Soil Pulp	20	0.16	151	0.012	2	1.13	0.004	0.10	0.1	0.03	0.8	0.2	<0.05	7	<0.5	<0.2
1373253	Soil Pulp	26	0.39	197	0.013	1	1.72	0.007	0.09	0.1	0.04	1.2	0.2	0.06	7	<0.5	<0.2
1373254	Soil Pulp	26	0.38	226	0.009	2	1.76	0.005	0.09	<0.1	0.11	2.7	0.2	0.07	5	<0.5	<0.2
1373255	Soil Pulp	26	0.34	173	0.010	3	1.56	0.005	0.09	0.1	0.05	1.2	0.2	0.07	6	<0.5	<0.2
1373256	Soil Pulp	25	0.19	185	0.012	2	1.59	0.004	0.09	<0.1	0.08	1.2	0.3	<0.05	7	0.5	<0.2
1373257	Soil Pulp	27	0.26	102	0.019	1	1.53	0.004	0.07	0.1	0.08	1.4	0.2	<0.05	7	<0.5	<0.2
1373258	Soil Pulp	22	0.12	260	0.009	1	1.26	0.004	0.10	<0.1	0.05	1.0	0.3	0.06	7	<0.5	<0.2
1373259	Soil Pulp	23	0.18	242	0.007	1	1.57	0.004	0.11	0.1	0.11	3.6	0.2	0.08	5	0.6	<0.2
1373260	Soil Pulp	21	0.27	223	0.008	2	1.23	0.004	0.08	0.1	0.15	5.2	0.1	<0.05	4	0.7	<0.2
1373261	Soil Pulp	15	0.37	258	0.006	3	0.83	0.004	0.06	<0.1	0.24	5.0	<0.1	<0.05	2	0.7	<0.2
1373262	Soil Pulp	12	0.52	943	0.004	3	0.58	0.003	0.07	<0.1	0.36	4.7	0.1	<0.05	2	0.7	<0.2
1373263	Soil Pulp	8	0.06	109	0.002	2	0.30	0.001	0.05	<0.1	0.13	10.1	<0.1	<0.05	1	0.6	0.2
1373264	Soil Pulp	13	0.10	105	0.002	1	0.42	0.002	0.07	<0.1	0.11	9.7	<0.1	<0.05	1	0.6	<0.2
1373265	Soil Pulp	45	0.38	112	0.001	2	0.82	0.003	0.07	<0.1	0.07	19.8	<0.1	<0.05	3	<0.5	<0.2
1373266	Soil Pulp	18	0.13	415	0.003	2	0.39	0.002	0.07	<0.1	0.43	11.1	<0.1	<0.05	1	<0.5	<0.2
1373267	Soil Pulp	8	0.07	112	0.002	1	0.28	0.001	0.08	<0.1	0.93	7.3	0.1	<0.05	<1	0.7	<0.2
1373268	Soil Pulp	9	0.07	57	0.001	2	0.39	0.001	0.09	<0.1	2.47	6.4	0.2	<0.05	1	0.9	<0.2
1373269	Soil Pulp	11	0.11	95	0.007	2	0.52	0.002	0.08	<0.1	0.24	6.0	<0.1	<0.05	2	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1373270	Soil Pulp	0.9	41.2	9.3	60	0.1	26.2	17.2	1654	5.20	33.3	1.3	3.8	11	0.2	0.8	0.3	41	0.25	0.088
1373271	Soil Pulp	0.6	87.1	30.7	101	0.1	61.8	31.5	860	6.39	115.2	1.2	3.7	11	<0.1	0.5	0.6	30	0.15	0.046
1373840	Soil Pulp	1.6	251.4	43.2	107	1.0	84.1	63.5	2478	8.65	55.2	10.1	2.9	13	0.9	2.7	0.3	72	0.40	0.076
1373841	Soil Pulp	3.5	281.7	37.8	165	0.7	97.4	83.9	3233	9.06	124.9	3.7	3.6	22	4.2	1.9	0.2	89	0.26	0.084
1373842	Soil Pulp	2.1	274.6	34.7	134	0.6	89.5	105.2	6419	10.39	43.2	6.2	2.5	19	1.5	1.8	0.2	209	0.45	0.087
1373843	Soil Pulp	1.7	237.3	20.6	132	0.4	69.3	57.3	3326	7.65	31.3	3.6	2.9	11	0.9	1.3	0.2	97	0.30	0.084
1373844	Soil Pulp	1.0	142.0	15.2	87	0.2	51.9	35.5	1520	5.73	25.6	3.8	1.7	14	0.5	0.9	0.2	101	0.25	0.094
1373845	Soil Pulp	1.2	84.0	13.6	80	0.1	37.5	19.2	684	4.42	35.4	3.8	1.2	12	0.3	0.8	0.2	73	0.22	0.080
1373846	Soil Pulp	1.2	75.6	14.3	72	<0.1	37.7	18.7	619	4.02	36.1	3.2	2.3	11	0.3	1.0	0.2	52	0.16	0.059
1373847	Soil Pulp	1.2	83.9	17.3	75	0.1	42.1	22.4	1040	5.62	42.7	1.0	1.9	13	0.2	1.2	0.3	62	0.31	0.080
1373848	Soil Pulp	1.4	102.0	39.3	105	0.3	58.2	36.9	2508	6.37	49.1	2.9	2.1	39	0.4	2.2	0.4	54	0.62	0.140
1373849	Soil Pulp	1.0	155.2	16.7	87	0.2	55.1	34.1	1627	6.26	31.0	4.1	2.0	18	0.2	1.0	0.2	88	0.39	0.096
1373850	Soil Pulp	2.2	119.6	45.2	122	0.3	62.9	39.7	1870	5.89	47.9	2.8	3.9	32	0.3	2.0	0.5	26	0.35	0.067
1373851	Soil Pulp	2.0	100.5	40.5	106	0.2	59.3	35.0	1484	5.35	71.5	3.0	2.9	30	0.2	2.5	0.4	17	0.50	0.054
1373852	Soil Pulp	2.2	103.7	40.1	84	0.2	51.4	30.1	1153	5.35	72.4	3.2	2.6	26	0.2	3.0	0.4	20	0.38	0.047
1373853	Soil Pulp	2.4	93.1	33.5	91	0.2	63.5	33.1	1517	5.19	45.7	3.2	1.7	75	0.2	2.0	0.4	16	1.54	0.074
1373854	Soil Pulp	2.8	89.0	39.3	107	0.2	53.3	26.3	819	5.01	42.5	2.7	2.6	56	0.2	2.1	0.5	17	0.76	0.060
1373855	Soil Pulp	2.1	76.2	50.2	111	0.2	44.9	24.2	1163	5.28	38.1	2.6	2.4	47	0.3	2.2	0.4	17	0.61	0.063
1373856	Soil Pulp	1.7	54.9	25.2	78	0.1	32.2	14.8	414	3.68	25.8	1.9	1.7	50	0.1	1.2	0.3	16	0.66	0.056
1373857	Soil Pulp	1.2	47.7	19.4	66	0.1	27.6	13.4	412	3.36	25.3	1.7	1.4	50	0.1	1.0	0.3	21	0.63	0.070
1373858	Soil Pulp	1.5	49.2	19.8	71	0.1	31.3	13.6	439	3.51	24.0	2.3	1.9	27	<0.1	1.3	0.3	21	0.28	0.051
1373859	Soil Pulp	1.4	54.5	22.2	62	0.2	35.9	16.9	679	3.90	43.1	1.4	2.0	20	0.2	2.0	0.3	22	0.29	0.048
1373860	Soil Pulp	2.6	77.3	39.4	28	0.2	31.3	17.3	443	3.87	81.8	1.7	2.7	13	<0.1	4.5	0.5	11	0.14	0.023
1373861	Soil Pulp	1.8	51.9	24.7	72	0.2	32.2	15.4	529	4.03	112.5	2.8	0.8	11	0.2	4.1	0.4	22	0.16	0.058
1373862	Soil Pulp	0.9	37.4	9.9	47	<0.1	22.7	11.4	336	3.07	53.3	<0.5	0.6	9	0.1	0.9	0.3	27	0.12	0.068
1373863	Soil Pulp	1.2	42.1	28.0	78	<0.1	24.2	18.6	1890	3.70	33.1	0.6	0.3	11	0.2	1.3	0.4	37	0.08	0.072
1373864	Soil Pulp	1.4	42.9	18.5	75	<0.1	23.7	12.7	292	3.77	33.2	<0.5	0.7	10	0.2	1.0	0.4	37	0.09	0.083
1373865	Soil Pulp	1.0	24.8	15.8	54	<0.1	16.1	7.1	258	3.40	16.8	<0.5	0.3	20	0.1	0.8	0.3	36	0.37	0.125
1373866	Soil Pulp	1.1	31.8	14.1	80	0.4	27.4	9.5	359	2.85	13.9	2.9	1.6	29	0.2	0.8	0.3	34	0.61	0.116
1373867	Soil Pulp	1.4	30.5	15.7	67	<0.1	19.9	8.6	332	3.28	22.5	2.1	0.7	5	0.1	0.9	0.3	33	0.03	0.062



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1373270	Soil Pulp	13	0.14	253	0.007	2	0.77	0.003	0.05	0.1	0.32	5.0	<0.1	<0.05	2	<0.5	<0.2
1373271	Soil Pulp	21	0.11	80	0.001	1	0.58	0.001	0.06	<0.1	0.03	4.8	<0.1	<0.05	2	<0.5	<0.2
1373840	Soil Pulp	38	0.56	439	0.008	5	1.42	0.011	0.10	<0.1	0.21	17.5	0.2	<0.05	5	1.9	<0.2
1373841	Soil Pulp	36	0.56	218	0.004	4	1.30	0.006	0.11	<0.1	0.23	16.1	0.3	<0.05	5	0.7	<0.2
1373842	Soil Pulp	92	1.73	376	0.006	3	2.86	0.005	0.08	<0.1	0.12	47.2	0.3	<0.05	11	1.1	<0.2
1373843	Soil Pulp	51	1.17	463	0.009	1	2.17	0.005	0.07	<0.1	0.13	19.6	0.1	<0.05	8	0.9	<0.2
1373844	Soil Pulp	50	0.88	122	0.013	1	1.81	0.005	0.06	<0.1	0.13	13.3	<0.1	<0.05	6	<0.5	<0.2
1373845	Soil Pulp	39	0.62	167	0.011	1	1.65	0.004	0.06	<0.1	0.11	6.8	<0.1	<0.05	5	0.7	<0.2
1373846	Soil Pulp	29	0.47	127	0.012	1	1.17	0.003	0.05	0.1	0.16	6.9	<0.1	<0.05	4	0.7	<0.2
1373847	Soil Pulp	33	0.51	108	0.007	2	1.31	0.003	0.05	<0.1	0.08	9.2	<0.1	<0.05	4	<0.5	<0.2
1373848	Soil Pulp	30	0.39	138	0.005	3	1.03	0.003	0.08	<0.1	0.44	10.7	0.1	<0.05	3	0.9	<0.2
1373849	Soil Pulp	49	0.74	106	0.006	2	1.60	0.004	0.07	<0.1	0.11	16.3	<0.1	<0.05	5	0.5	<0.2
1373850	Soil Pulp	13	0.21	75	0.001	2	0.53	0.002	0.07	<0.1	0.43	9.9	0.1	<0.05	2	1.4	0.3
1373851	Soil Pulp	9	0.11	76	0.001	2	0.35	0.002	0.06	<0.1	0.45	8.5	0.2	<0.05	1	0.7	<0.2
1373852	Soil Pulp	11	0.11	105	<0.001	3	0.36	0.002	0.07	<0.1	0.45	7.8	0.1	<0.05	1	1.0	0.3
1373853	Soil Pulp	9	0.09	91	0.001	5	0.35	0.003	0.06	<0.1	0.40	6.7	0.1	0.07	<1	0.9	<0.2
1373854	Soil Pulp	9	0.12	119	0.001	3	0.49	0.003	0.06	<0.1	0.46	6.5	0.1	<0.05	1	1.3	<0.2
1373855	Soil Pulp	11	0.13	192	0.005	2	0.49	0.005	0.06	<0.1	0.39	6.0	<0.1	<0.05	1	1.7	<0.2
1373856	Soil Pulp	10	0.13	125	0.002	2	0.57	0.003	0.04	<0.1	0.23	4.5	<0.1	<0.05	1	0.6	<0.2
1373857	Soil Pulp	13	0.15	98	0.004	2	0.68	0.003	0.06	<0.1	0.16	4.4	<0.1	<0.05	2	<0.5	<0.2
1373858	Soil Pulp	13	0.17	98	0.004	2	0.73	0.003	0.06	<0.1	0.20	5.0	<0.1	<0.05	2	<0.5	<0.2
1373859	Soil Pulp	13	0.14	91	0.005	2	0.63	0.002	0.06	<0.1	0.34	6.4	<0.1	<0.05	2	<0.5	<0.2
1373860	Soil Pulp	5	0.03	33	<0.001	2	0.27	0.001	0.06	<0.1	0.68	6.1	0.1	<0.05	<1	1.7	0.3
1373861	Soil Pulp	11	0.09	71	0.004	1	0.49	0.002	0.06	<0.1	3.70	3.7	0.2	<0.05	2	0.6	<0.2
1373862	Soil Pulp	13	0.10	73	0.005	2	0.57	0.002	0.06	<0.1	0.09	2.1	<0.1	<0.05	2	<0.5	<0.2
1373863	Soil Pulp	13	0.08	152	0.007	2	0.55	0.003	0.09	<0.1	0.05	1.9	0.1	<0.05	3	0.6	<0.2
1373864	Soil Pulp	14	0.13	90	0.005	2	0.73	0.004	0.06	<0.1	0.06	2.9	<0.1	<0.05	3	<0.5	<0.2
1373865	Soil Pulp	15	0.17	135	0.006	2	0.94	0.004	0.07	<0.1	0.05	1.9	0.1	<0.05	3	0.7	<0.2
1373866	Soil Pulp	23	0.43	185	0.007	2	1.39	0.006	0.07	<0.1	0.16	3.4	0.1	<0.05	4	0.8	<0.2
1373867	Soil Pulp	19	0.19	61	0.009	3	1.02	0.002	0.03	0.1	0.07	1.7	<0.1	<0.05	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1373868	Soil Pulp	2.4	59.1	33.7	96	<0.1	36.9	16.0	352	5.17	36.5	2.3	1.3	5	<0.1	1.2	0.6	15	<0.01	0.059	2
1373869	Soil Pulp	1.9	37.1	19.3	83	0.1	24.5	11.6	498	3.83	25.6	1.6	0.7	12	0.3	0.9	0.4	17	0.14	0.096	3
1373870	Soil Pulp	1.5	31.9	22.4	75	0.1	24.8	11.2	364	3.64	26.9	4.6	0.6	7	0.1	1.1	0.4	33	0.03	0.053	6
1373871	Soil Pulp	1.4	44.7	20.8	65	<0.1	33.4	17.1	387	3.52	35.8	2.5	1.5	7	0.2	1.2	0.4	24	0.03	0.039	7
1373872	Soil Pulp	1.5	57.6	21.9	75	<0.1	33.1	19.5	782	5.66	27.6	1.9	1.8	4	0.2	1.9	0.4	28	0.02	0.068	4
1373873	Soil Pulp	0.6	52.0	41.7	109	0.1	63.6	44.0	1427	4.72	17.1	1.3	6.7	20	0.2	0.6	0.4	15	0.28	0.057	6
1373874	Soil Pulp	0.9	34.8	18.6	73	<0.1	27.6	13.3	482	3.32	23.3	3.5	2.0	9	0.2	0.9	0.3	21	0.11	0.041	6
1373875	Soil Pulp	1.5	56.4	28.4	81	0.1	36.1	19.2	519	4.21	42.7	1.7	1.4	16	0.1	1.3	0.5	11	0.26	0.063	4
1373876	Soil Pulp	3.4	96.8	40.8	155	0.2	74.2	41.9	1143	6.71	50.7	3.1	4.5	20	0.4	1.8	0.7	12	0.17	0.061	5
1373877	Soil Pulp	1.9	56.7	26.2	94	<0.1	35.6	17.7	452	4.95	44.1	1.5	0.7	6	0.1	1.3	0.5	15	<0.01	0.071	3
1373878	Soil Pulp	2.4	57.5	18.0	100	<0.1	36.5	15.4	285	4.61	43.6	1.0	0.8	5	<0.1	1.5	0.6	16	<0.01	0.074	3
1373879	Soil Pulp	1.8	41.4	15.2	69	<0.1	24.7	11.0	257	3.44	33.3	1.1	0.3	5	<0.1	1.2	0.5	29	<0.01	0.047	4
1373880	Soil Pulp	1.2	24.9	15.7	53	<0.1	16.4	7.9	303	2.56	22.9	0.7	0.4	9	<0.1	0.7	0.3	30	0.11	0.065	5
1373881	Soil Pulp	1.0	41.6	18.9	103	0.3	31.1	13.7	477	3.50	27.4	1.3	1.8	20	0.3	1.0	0.3	24	0.38	0.083	7
1373882	Soil Pulp	1.0	15.2	12.7	52	<0.1	13.7	6.9	426	2.48	14.0	1.3	0.3	21	<0.1	0.6	0.3	39	0.36	0.078	6
1373883	Soil Pulp	2.7	42.9	20.5	86	<0.1	26.5	11.6	303	4.41	25.1	1.2	0.6	11	0.2	1.2	0.5	28	0.09	0.062	4
1373884	Soil Pulp	1.3	51.2	18.8	64	0.3	28.4	13.4	329	3.44	51.1	2.1	1.7	26	0.2	1.7	0.3	21	0.53	0.080	4
1373885	Soil Pulp	1.0	44.8	16.7	60	0.2	25.2	12.0	496	3.37	44.5	1.6	1.0	41	0.3	1.3	0.3	22	1.01	0.129	4
1373886	Soil Pulp	1.0	12.6	13.0	47	<0.1	12.9	5.1	192	2.43	15.3	<0.5	0.3	10	<0.1	0.5	0.3	45	0.11	0.069	6
1373887	Soil Pulp	1.2	53.9	22.6	78	0.1	31.8	13.6	410	3.67	30.3	3.3	1.5	39	0.2	1.3	0.3	17	0.68	0.065	6
1373888	Soil Pulp	1.8	59.4	24.9	81	0.1	36.8	20.7	761	4.17	61.0	2.6	1.5	22	0.2	2.0	0.4	20	0.38	0.077	4
1373889	Soil Pulp	1.3	45.9	18.2	81	<0.1	28.5	12.8	617	4.18	37.3	2.3	1.2	16	0.2	1.6	0.3	33	0.22	0.091	7
1373890	Soil Pulp	1.3	55.2	26.7	87	0.2	34.5	17.8	863	5.06	34.8	1.6	0.9	106	0.2	1.3	0.4	28	1.32	0.138	6
1373891	Soil Pulp	2.9	77.6	40.5	86	0.3	48.8	21.5	609	4.70	62.7	3.0	2.1	40	0.1	3.3	0.6	19	0.63	0.086	6
1373892	Soil Pulp	1.4	81.5	25.4	72	0.1	51.7	25.7	1556	8.93	64.8	2.2	2.3	20	0.2	2.3	0.4	34	0.36	0.129	7
1373893	Soil Pulp	1.2	90.2	24.8	88	0.1	44.9	25.6	1191	4.95	46.6	1.7	1.2	36	0.2	1.5	0.3	33	0.94	0.090	7
1373894	Soil Pulp	1.3	97.6	22.2	63	0.1	28.8	26.1	1525	5.41	15.9	1.8	0.4	7	<0.1	0.9	0.3	72	0.13	0.151	11
1373895	Soil Pulp	1.7	95.1	22.1	102	0.1	33.4	26.9	2212	6.66	30.9	1.3	0.9	12	0.2	0.7	0.2	60	0.30	0.188	10
1373896	Soil Pulp	1.0	62.8	22.3	79	<0.1	40.2	20.8	805	5.30	39.6	1.6	2.2	16	0.2	1.3	0.3	21	0.29	0.079	7
1373897	Soil Pulp	2.1	86.6	37.6	103	0.2	51.6	29.2	1059	5.06	51.9	2.2	2.7	29	0.2	1.6	0.5	20	0.49	0.067	7



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1373868	Soil Pulp	7	0.05	20	0.002	2	0.38	0.001	0.03	<0.1	0.06	3.0	0.1	<0.05	1	0.7	<0.2
1373869	Soil Pulp	7	0.07	67	0.002	1	0.46	0.002	0.05	<0.1	0.08	2.2	0.1	<0.05	2	<0.5	<0.2
1373870	Soil Pulp	18	0.25	61	0.009	2	0.96	0.003	0.05	0.2	0.06	1.6	0.1	<0.05	4	0.5	<0.2
1373871	Soil Pulp	14	0.17	146	0.005	1	0.96	0.002	0.03	<0.1	0.11	2.8	<0.1	<0.05	3	<0.5	<0.2
1373872	Soil Pulp	19	0.26	76	0.004	1	1.10	0.002	0.03	0.1	0.11	4.3	0.1	<0.05	3	<0.5	<0.2
1373873	Soil Pulp	20	0.55	96	0.007	2	1.31	0.003	0.06	<0.1	0.08	5.4	0.1	<0.05	4	<0.5	<0.2
1373874	Soil Pulp	14	0.21	57	0.005	2	0.63	0.002	0.04	<0.1	0.06	3.1	<0.1	<0.05	2	<0.5	<0.2
1373875	Soil Pulp	7	0.10	49	0.002	2	0.29	0.002	0.05	<0.1	0.20	3.8	0.1	<0.05	<1	0.8	<0.2
1373876	Soil Pulp	7	0.11	55	0.005	2	0.29	0.002	0.08	<0.1	0.35	6.8	0.2	<0.05	<1	0.8	0.2
1373877	Soil Pulp	9	0.06	22	0.005	<1	0.40	0.001	0.04	<0.1	0.11	2.0	0.1	<0.05	2	0.5	<0.2
1373878	Soil Pulp	6	0.03	19	0.002	1	0.23	0.001	0.04	<0.1	0.06	2.4	0.1	<0.05	2	0.5	<0.2
1373879	Soil Pulp	7	0.04	35	0.006	2	0.35	0.001	0.03	<0.1	0.05	1.1	<0.1	<0.05	3	0.5	<0.2
1373880	Soil Pulp	12	0.12	72	0.007	2	0.59	0.002	0.05	<0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1373881	Soil Pulp	17	0.29	130	0.005	2	0.91	0.003	0.07	<0.1	0.18	4.3	<0.1	<0.05	2	<0.5	<0.2
1373882	Soil Pulp	18	0.29	153	0.009	1	0.98	0.003	0.05	0.1	0.04	0.8	0.1	<0.05	5	<0.5	<0.2
1373883	Soil Pulp	16	0.22	58	0.006	<1	0.76	0.002	0.04	<0.1	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1373884	Soil Pulp	12	0.24	109	0.003	2	0.76	0.003	0.06	<0.1	0.35	5.5	<0.1	<0.05	2	0.7	<0.2
1373885	Soil Pulp	12	0.27	131	0.005	3	0.72	0.004	0.05	<0.1	0.37	3.2	<0.1	0.11	2	0.8	<0.2
1373886	Soil Pulp	18	0.23	180	0.008	1	1.29	0.003	0.03	0.2	0.03	0.8	0.1	<0.05	5	<0.5	<0.2
1373887	Soil Pulp	11	0.14	92	0.003	2	0.53	0.003	0.05	<0.1	0.31	4.5	<0.1	<0.05	1	0.9	<0.2
1373888	Soil Pulp	10	0.12	87	0.003	2	0.49	0.002	0.05	<0.1	0.31	4.6	<0.1	<0.05	2	<0.5	<0.2
1373889	Soil Pulp	19	0.26	145	0.006	1	1.06	0.003	0.05	0.1	0.18	3.2	0.1	<0.05	3	<0.5	<0.2
1373890	Soil Pulp	16	0.14	208	0.004	2	1.01	0.003	0.05	<0.1	0.48	4.4	<0.1	0.10	2	1.1	<0.2
1373891	Soil Pulp	10	0.07	71	0.007	3	0.57	0.003	0.11	<0.1	0.73	7.6	0.2	<0.05	2	1.2	<0.2
1373892	Soil Pulp	18	0.18	196	0.006	<1	0.91	0.003	0.07	<0.1	0.24	8.4	0.1	<0.05	3	0.7	<0.2
1373893	Soil Pulp	18	0.24	80	0.005	3	0.71	0.004	0.07	<0.1	0.24	7.0	<0.1	0.09	2	0.9	<0.2
1373894	Soil Pulp	39	0.46	70	0.006	2	1.49	0.003	0.05	<0.1	0.06	2.0	<0.1	0.08	8	<0.5	<0.2
1373895	Soil Pulp	33	0.32	80	0.005	1	1.47	0.003	0.05	<0.1	0.07	6.3	<0.1	0.09	6	<0.5	<0.2
1373896	Soil Pulp	11	0.10	62	0.002	2	0.48	0.001	0.04	<0.1	0.12	8.0	<0.1	<0.05	1	<0.5	<0.2
1373897	Soil Pulp	11	0.11	71	0.003	3	0.40	0.002	0.07	<0.1	0.40	7.6	0.1	<0.05	1	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1374722	Soil Pulp	0.8	183.4	12.4	66	0.2	55.1	38.9	1864	5.80	61.2	3.7	1.4	18	0.3	1.0	0.1	85	0.62	0.128
1374723	Soil Pulp	1.8	60.0	16.4	95	<0.1	33.0	17.8	747	3.99	24.6	1.9	1.0	8	0.5	1.1	0.3	72	0.07	0.072
1374724	Soil Pulp	1.6	82.6	15.4	88	0.1	40.1	22.8	1152	4.50	23.1	1.7	1.0	14	0.4	1.1	0.2	66	0.14	0.073
1374725	Soil Pulp	1.1	83.1	10.9	52	0.3	21.9	18.3	1220	3.24	12.7	1.8	0.2	10	0.4	0.8	0.2	59	0.17	0.160
1374726	Soil Pulp	1.5	92.0	16.2	86	0.2	43.6	24.5	1294	4.42	22.5	3.7	1.6	13	0.5	1.1	0.2	73	0.19	0.084
1374727	Soil Pulp	1.5	86.9	14.0	83	<0.1	40.2	20.9	742	4.40	184.1	3.8	1.5	11	0.4	1.1	0.3	67	0.11	0.076
1374728	Soil Pulp	1.2	48.6	9.4	50	0.2	19.2	12.4	573	2.66	22.3	1.9	0.2	11	0.5	0.6	0.2	53	0.14	0.127
1374729	Soil Pulp	1.3	88.0	12.9	62	0.1	29.7	23.3	1411	4.30	23.1	2.2	0.3	17	0.5	0.7	0.3	98	0.32	0.133
1374730	Soil Pulp	1.4	115.3	16.3	70	0.3	37.2	33.4	2477	4.76	29.8	1.5	0.7	25	0.4	0.8	0.2	71	1.02	0.153
1374731	Soil Pulp	1.7	213.1	16.5	77	0.2	66.9	45.3	2190	7.07	35.1	3.7	1.7	14	0.2	1.5	0.2	103	0.33	0.079
1374732	Soil Pulp	0.7	219.5	16.4	77	0.3	59.4	39.7	1762	6.65	65.0	3.9	1.8	16	0.3	1.1	0.2	84	0.47	0.081
1374733	Soil Pulp	0.8	178.0	15.3	78	0.2	55.7	35.7	1848	6.96	60.0	2.2	2.1	15	0.3	1.1	0.2	90	0.43	0.105
1374734	Soil Pulp	1.0	84.6	13.9	52	0.1	31.5	15.9	536	4.19	40.5	2.4	0.7	23	0.1	1.0	0.2	45	0.85	0.122
1374735	Soil Pulp	2.4	96.7	49.1	74	0.3	61.7	30.3	1277	5.90	60.9	3.2	2.4	44	0.2	3.8	0.4	23	0.73	0.072
1374736	Soil Pulp	1.3	97.9	48.2	270	0.2	49.6	23.8	744	5.85	71.3	7.0	2.1	34	1.2	2.1	0.3	47	0.52	0.070
1374737	Soil Pulp	2.8	89.7	38.6	151	0.2	59.1	27.0	1513	6.91	42.2	3.3	2.3	37	0.5	1.8	0.4	30	0.47	0.064
1374738	Soil Pulp	1.2	44.7	52.2	120	0.2	28.3	13.5	782	5.32	23.9	3.3	1.3	74	0.4	1.1	0.3	27	1.15	0.098
1374739	Soil Pulp	1.8	75.6	42.7	115	0.2	46.0	27.8	1245	4.67	53.5	3.6	1.8	57	0.3	2.7	0.4	17	0.64	0.058
1374740	Soil Pulp	1.6	52.7	23.6	82	0.2	32.1	16.3	675	3.59	20.6	2.4	1.4	80	0.2	1.2	0.4	17	1.13	0.073
1374741	Soil Pulp	2.2	76.7	33.9	80	0.2	43.1	22.6	807	4.57	38.2	2.3	2.6	39	0.1	2.4	0.4	14	0.36	0.047
1374742	Soil Pulp	2.1	50.9	28.1	58	<0.1	29.7	14.8	573	3.67	40.3	2.2	1.4	13	0.1	3.4	0.4	23	0.12	0.045
1374743	Soil Pulp	1.9	59.1	26.6	73	0.2	33.0	17.1	587	4.23	117.4	2.8	2.2	13	0.1	3.8	0.4	15	0.17	0.038
1374744	Soil Pulp	1.9	56.6	15.5	53	0.1	36.7	14.1	689	4.65	56.4	1.0	0.9	11	0.1	2.2	0.4	33	0.16	0.094
1374745	Soil Pulp	1.2	17.0	12.4	69	<0.1	13.9	7.1	474	2.62	18.0	0.8	0.3	19	0.2	0.9	0.3	52	0.32	0.058
1374746	Soil Pulp	1.1	21.8	12.3	62	<0.1	16.9	9.0	463	2.82	31.7	1.3	0.3	9	0.2	1.0	0.3	41	0.10	0.071
1374747	Soil Pulp	0.8	53.0	19.5	80	<0.1	38.6	19.0	258	4.33	61.2	0.7	0.9	11	0.2	1.7	0.5	22	0.05	0.058
1374748	Soil Pulp	1.2	27.7	16.2	60	<0.1	17.3	9.3	420	2.88	24.2	0.6	0.3	8	0.1	1.0	0.3	33	0.08	0.067
1374749	Soil Pulp	1.4	30.4	18.9	82	<0.1	20.1	10.7	502	3.54	22.4	0.7	0.5	9	0.4	1.1	0.3	36	0.06	0.077
1374750	Soil Pulp	0.9	11.4	11.5	61	<0.1	12.8	5.9	336	2.19	12.4	<0.5	0.3	13	0.2	0.5	0.3	42	0.15	0.100
1374751	Soil Pulp	2.0	35.7	14.8	62	<0.1	21.7	8.1	178	2.91	30.2	<0.5	0.4	9	<0.1	1.0	0.4	26	0.02	0.058



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374722	Soil Pulp	42	0.64	129	0.006	3	1.60	0.003	0.08	<0.1	0.05	17.5	<0.1	<0.05	5	0.6	<0.2
1374723	Soil Pulp	36	0.48	99	0.015	1	1.71	0.004	0.05	0.2	0.06	3.8	0.2	<0.05	6	<0.5	<0.2
1374724	Soil Pulp	32	0.48	144	0.018	2	1.54	0.004	0.05	0.2	0.08	5.1	0.1	<0.05	5	<0.5	<0.2
1374725	Soil Pulp	27	0.30	148	0.010	2	1.19	0.007	0.05	0.1	0.16	3.1	0.1	0.15	5	1.0	<0.2
1374726	Soil Pulp	39	0.64	178	0.019	1	1.79	0.005	0.05	0.2	0.09	7.4	0.1	<0.05	6	0.7	<0.2
1374727	Soil Pulp	35	0.50	138	0.012	2	1.43	0.004	0.05	0.2	0.19	6.5	0.1	<0.05	5	0.6	<0.2
1374728	Soil Pulp	29	0.29	188	0.008	2	1.06	0.007	0.05	<0.1	0.11	1.6	<0.1	0.12	4	0.6	<0.2
1374729	Soil Pulp	49	0.49	91	0.012	2	1.34	0.005	0.06	<0.1	0.12	4.8	<0.1	0.11	6	<0.5	<0.2
1374730	Soil Pulp	37	0.49	118	0.007	4	1.42	0.006	0.07	<0.1	0.16	9.7	<0.1	0.12	5	0.9	<0.2
1374731	Soil Pulp	52	0.91	119	0.005	2	1.71	0.006	0.08	<0.1	0.07	21.0	<0.1	<0.05	6	0.6	<0.2
1374732	Soil Pulp	43	0.77	105	0.005	3	1.57	0.004	0.08	<0.1	0.48	21.5	<0.1	<0.05	5	<0.5	<0.2
1374733	Soil Pulp	45	0.74	162	0.006	3	1.47	0.005	0.08	<0.1	0.15	18.3	<0.1	<0.05	5	0.7	<0.2
1374734	Soil Pulp	22	0.26	139	0.003	2	0.96	0.005	0.08	<0.1	0.11	7.5	<0.1	0.08	3	0.7	<0.2
1374735	Soil Pulp	11	0.13	113	0.001	3	0.46	0.003	0.08	<0.1	0.34	7.8	0.1	0.05	1	1.4	0.2
1374736	Soil Pulp	23	0.23	296	0.004	2	0.66	0.003	0.06	<0.1	0.29	9.4	<0.1	<0.05	2	0.7	<0.2
1374737	Soil Pulp	15	0.20	172	0.003	2	0.69	0.004	0.08	<0.1	0.24	7.4	<0.1	<0.05	2	1.0	<0.2
1374738	Soil Pulp	15	0.20	359	0.004	4	0.80	0.005	0.07	<0.1	0.22	4.4	<0.1	0.06	2	0.7	<0.2
1374739	Soil Pulp	9	0.11	105	0.002	2	0.53	0.004	0.07	<0.1	0.41	5.4	0.1	<0.05	1	1.2	<0.2
1374740	Soil Pulp	9	0.12	94	0.003	3	0.52	0.003	0.07	<0.1	0.26	4.0	<0.1	0.06	1	0.8	<0.2
1374741	Soil Pulp	8	0.09	56	0.001	2	0.42	0.002	0.07	<0.1	0.41	5.6	<0.1	<0.05	1	1.0	<0.2
1374742	Soil Pulp	12	0.12	91	0.003	2	0.71	0.002	0.06	<0.1	0.36	3.6	<0.1	<0.05	2	0.6	<0.2
1374743	Soil Pulp	7	0.06	70	0.003	2	0.34	0.001	0.07	<0.1	1.55	4.4	0.1	<0.05	1	0.6	<0.2
1374744	Soil Pulp	16	0.15	152	0.005	<1	0.86	0.003	0.07	<0.1	0.54	3.7	0.1	<0.05	3	<0.5	<0.2
1374745	Soil Pulp	20	0.21	151	0.010	2	1.04	0.003	0.06	0.1	0.08	0.9	0.1	<0.05	6	<0.5	<0.2
1374746	Soil Pulp	19	0.20	84	0.009	1	0.87	0.003	0.07	0.1	0.08	1.0	<0.1	<0.05	4	<0.5	<0.2
1374747	Soil Pulp	10	0.07	48	0.005	2	0.38	0.002	0.06	<0.1	0.06	3.4	<0.1	<0.05	2	<0.5	<0.2
1374748	Soil Pulp	13	0.11	65	0.006	<1	0.62	0.002	0.06	<0.1	0.05	1.1	<0.1	<0.05	3	<0.5	<0.2
1374749	Soil Pulp	17	0.15	77	0.007	2	0.74	0.002	0.07	<0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1374750	Soil Pulp	18	0.21	138	0.008	1	1.07	0.004	0.07	0.1	0.02	0.8	0.1	<0.05	5	<0.5	<0.2
1374751	Soil Pulp	8	0.05	32	0.003	2	0.49	0.002	0.05	<0.1	0.02	1.0	0.1	<0.05	3	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1374752	Soil Pulp	2.2	48.0	20.0	98	<0.1	28.9	11.8	205	4.43	37.2	<0.5	0.9	8	<0.1	1.5	0.4	20	<0.01	0.058	3
1374753	Soil Pulp	2.4	42.2	19.0	76	<0.1	26.1	10.6	190	3.58	29.8	1.5	0.5	8	<0.1	1.3	0.5	25	0.01	0.058	5
1374754	Soil Pulp	1.9	37.4	18.0	68	<0.1	23.6	9.3	178	3.36	26.2	0.9	0.7	9	<0.1	1.1	0.5	31	0.02	0.044	7
1374755	Soil Pulp	1.8	28.5	12.9	58	<0.1	17.5	7.1	191	2.72	22.6	0.8	0.4	8	<0.1	1.0	0.4	35	0.02	0.043	8
1374756	Soil Pulp	1.3	9.9	10.9	16	0.2	5.2	2.1	111	0.83	8.1	1.0	0.1	7	<0.1	0.3	0.3	27	0.03	0.088	9
1374757	Soil Pulp	1.6	37.1	21.4	64	<0.1	23.8	10.2	211	3.74	31.5	1.2	0.6	8	<0.1	1.1	0.4	26	0.02	0.055	6
1374758	Soil Pulp	2.0	50.9	23.8	73	<0.1	31.1	13.5	228	3.75	40.2	1.2	1.0	8	0.1	1.4	0.5	15	<0.01	0.060	4
1374759	Soil Pulp	2.4	77.7	37.0	122	0.2	45.8	27.7	640	5.32	49.1	3.5	4.4	19	0.3	1.8	0.6	12	0.08	0.057	7
1374760	Soil Pulp	1.7	41.0	24.3	72	0.1	29.2	14.5	434	4.10	35.0	1.6	0.8	9	<0.1	1.2	0.5	25	0.02	0.053	6
1374761	Soil Pulp	1.6	33.8	13.4	57	<0.1	21.7	8.2	166	2.67	31.4	<0.5	0.2	7	<0.1	1.1	0.4	32	0.01	0.051	6
1374762	Soil Pulp	1.2	28.7	15.3	97	0.2	20.9	8.9	233	2.93	19.6	0.9	1.1	14	0.3	0.8	0.4	31	0.12	0.112	8
1374763	Soil Pulp	1.0	9.8	9.8	37	<0.1	9.5	4.0	251	1.90	8.1	1.0	0.2	19	0.1	0.5	0.4	44	0.31	0.089	7
1374764	Soil Pulp	1.0	30.8	13.5	105	0.2	26.0	8.9	259	3.15	21.9	3.3	1.6	25	0.2	1.0	0.4	28	0.46	0.085	6
1374765	Soil Pulp	1.3	33.0	14.1	73	0.1	21.2	10.2	414	3.45	30.7	2.5	0.3	12	0.5	1.5	0.5	33	0.14	0.072	6
1374766	Soil Pulp	1.0	39.3	14.4	71	<0.1	23.8	11.0	281	3.38	33.6	2.7	1.1	21	0.3	1.2	0.4	27	0.34	0.084	5
1374767	Soil Pulp	1.7	49.4	28.1	47	0.3	23.1	13.4	438	3.39	66.9	2.3	1.2	10	0.3	4.0	0.4	17	0.06	0.048	3
1374768	Soil Pulp	1.5	45.8	18.6	46	0.1	29.9	14.6	558	4.35	62.9	1.6	0.7	11	0.3	2.6	0.4	25	0.13	0.093	4
1374769	Soil Pulp	1.3	30.5	17.0	50	<0.1	20.5	11.3	580	3.71	34.1	1.4	0.9	25	0.1	1.3	0.3	28	0.36	0.137	6
1374770	Soil Pulp	1.2	41.9	20.2	58	0.2	26.6	12.6	553	3.36	25.1	3.2	1.0	60	0.2	1.6	0.3	22	0.86	0.109	7
1374771	Soil Pulp	1.0	67.7	30.2	65	0.2	38.2	22.3	721	4.34	67.6	3.5	1.7	28	0.1	2.5	0.4	20	0.38	0.068	7
1374772	Soil Pulp	1.9	87.1	35.2	82	0.2	55.8	33.6	1388	4.89	75.4	2.9	3.0	42	0.3	2.9	0.5	17	0.53	0.065	7
1374773	Soil Pulp	1.9	72.9	27.5	79	0.1	44.9	23.4	842	4.68	49.9	2.3	2.0	20	0.2	2.2	0.4	26	0.25	0.066	6
1374774	Soil Pulp	1.5	70.7	35.2	134	0.2	35.9	18.1	722	5.39	34.1	2.6	1.1	82	0.4	1.6	0.3	25	1.23	0.095	7
1374775	Soil Pulp	2.0	92.3	37.1	89	0.2	48.0	28.1	1179	5.42	67.4	1.8	2.1	29	0.2	2.9	0.4	21	0.50	0.072	5
1374776	Soil Pulp	1.6	78.7	29.3	93	0.2	43.8	25.1	1047	4.80	72.6	3.2	1.9	34	0.2	1.9	0.3	18	0.76	0.081	5
1374777	Soil Pulp	0.9	158.6	35.6	100	0.2	66.6	49.9	1636	7.32	76.4	3.3	2.3	13	0.1	1.4	0.4	34	0.20	0.073	7
1374778	Soil Pulp	1.8	80.3	31.3	102	0.1	47.4	24.9	1090	5.17	46.3	3.3	1.9	32	0.2	2.4	0.4	25	0.44	0.076	9
1374779	Soil Pulp	1.7	72.0	26.8	101	0.2	42.2	23.7	849	4.62	32.3	3.0	1.9	60	0.4	1.5	0.3	18	0.91	0.077	8
1374780	Soil Pulp	1.4	78.7	25.8	87	0.2	46.5	27.3	1032	4.53	72.7	1.7	2.5	66	0.2	1.5	0.3	20	1.20	0.063	9
1374781	Soil Pulp	2.2	83.2	42.2	109	0.3	47.8	27.1	989	5.17	53.5	3.9	2.5	30	0.2	1.7	0.5	21	0.47	0.081	7



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374752	Soil Pulp	7	0.03	26	0.002	<1	0.44	0.001	0.05	<0.1	0.07	2.4	0.2	<0.05	2	0.5	<0.2
1374753	Soil Pulp	10	0.07	31	0.005	<1	0.50	0.002	0.05	<0.1	0.05	1.3	0.1	<0.05	3	0.6	<0.2
1374754	Soil Pulp	11	0.07	36	0.008	<1	0.59	0.002	0.05	<0.1	0.05	1.7	0.1	<0.05	3	<0.5	<0.2
1374755	Soil Pulp	10	0.05	42	0.009	<1	0.53	0.002	0.06	0.1	0.04	1.1	0.1	<0.05	4	<0.5	<0.2
1374756	Soil Pulp	12	0.06	46	0.004	<1	0.71	0.003	0.06	<0.1	0.06	0.1	0.1	<0.05	4	<0.5	<0.2
1374757	Soil Pulp	12	0.10	30	0.006	<1	0.58	0.002	0.05	<0.1	0.07	1.4	<0.1	<0.05	3	<0.5	<0.2
1374758	Soil Pulp	7	0.04	20	0.002	<1	0.36	0.002	0.04	<0.1	0.07	2.3	0.2	<0.05	2	<0.5	<0.2
1374759	Soil Pulp	7	0.09	51	0.002	<1	0.29	0.001	0.06	<0.1	0.44	5.0	0.2	<0.05	<1	<0.5	<0.2
1374760	Soil Pulp	12	0.12	49	0.006	<1	0.65	0.002	0.05	<0.1	0.10	1.6	0.1	<0.05	3	0.8	<0.2
1374761	Soil Pulp	8	0.04	29	0.005	2	0.43	0.002	0.05	<0.1	0.04	0.7	0.1	<0.05	4	<0.5	<0.2
1374762	Soil Pulp	17	0.18	201	0.006	<1	0.97	0.003	0.07	<0.1	0.05	2.8	0.1	<0.05	3	<0.5	<0.2
1374763	Soil Pulp	17	0.24	151	0.007	2	1.13	0.003	0.04	<0.1	0.03	0.6	0.2	<0.05	5	<0.5	<0.2
1374764	Soil Pulp	18	0.32	154	0.005	4	1.02	0.003	0.07	<0.1	0.14	3.9	0.1	<0.05	3	0.6	<0.2
1374765	Soil Pulp	15	0.18	79	0.007	3	0.72	0.003	0.07	0.1	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1374766	Soil Pulp	13	0.23	103	0.006	3	0.78	0.003	0.08	<0.1	0.09	3.5	0.1	<0.05	3	<0.5	<0.2
1374767	Soil Pulp	9	0.05	46	0.003	3	0.37	0.002	0.06	<0.1	0.29	3.9	0.1	<0.05	1	0.9	<0.2
1374768	Soil Pulp	12	0.10	75	0.005	2	0.58	0.003	0.05	<0.1	0.27	3.1	<0.1	<0.05	2	0.6	<0.2
1374769	Soil Pulp	13	0.13	126	0.005	2	0.81	0.003	0.07	<0.1	0.13	3.5	<0.1	<0.05	3	0.6	<0.2
1374770	Soil Pulp	13	0.14	123	0.005	3	0.74	0.003	0.06	<0.1	0.20	3.6	<0.1	0.06	2	1.0	<0.2
1374771	Soil Pulp	10	0.11	72	0.003	2	0.49	0.002	0.07	<0.1	0.51	5.8	<0.1	<0.05	1	0.7	0.3
1374772	Soil Pulp	8	0.07	68	0.002	3	0.32	0.002	0.06	<0.1	0.61	7.4	0.1	<0.05	<1	1.2	0.3
1374773	Soil Pulp	13	0.14	110	0.004	2	0.65	0.002	0.05	<0.1	0.28	5.2	<0.1	<0.05	2	<0.5	<0.2
1374774	Soil Pulp	12	0.13	280	0.002	3	0.61	0.002	0.05	<0.1	0.40	5.8	<0.1	0.07	2	0.7	<0.2
1374775	Soil Pulp	11	0.10	113	0.001	4	0.39	0.002	0.08	<0.1	0.32	7.6	<0.1	<0.05	1	1.4	<0.2
1374776	Soil Pulp	10	0.10	65	0.001	5	0.34	0.002	0.09	<0.1	0.50	6.9	0.1	0.07	<1	0.9	<0.2
1374777	Soil Pulp	19	0.30	59	0.001	2	0.79	0.002	0.08	<0.1	0.20	12.3	0.1	<0.05	2	0.6	<0.2
1374778	Soil Pulp	13	0.14	123	0.002	3	0.58	0.002	0.07	<0.1	0.33	7.1	0.1	<0.05	2	0.9	0.2
1374779	Soil Pulp	10	0.11	62	0.002	4	0.44	0.002	0.08	<0.1	0.36	7.2	<0.1	<0.05	1	1.1	<0.2
1374780	Soil Pulp	10	0.12	80	0.002	3	0.39	0.002	0.07	<0.1	0.43	7.4	0.1	<0.05	1	0.7	<0.2
1374781	Soil Pulp	12	0.13	70	0.003	3	0.47	0.002	0.09	<0.1	0.23	7.7	0.2	<0.05	1	0.6	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374782	Soil Pulp	1.3	102.0	46.1	75	0.4	64.0	37.0	1220	6.49	63.2	2.8	2.9	22	0.2	3.6	0.5	24	0.30	0.079
1374783	Soil Pulp	2.4	84.7	46.2	64	0.3	43.6	24.6	710	4.83	54.2	2.0	2.3	26	0.1	3.9	0.5	21	0.58	0.066
1374784	Soil Pulp	2.0	100.1	46.7	66	0.3	51.9	32.6	1031	4.91	67.2	2.1	3.2	17	0.1	3.7	0.5	19	0.19	0.050
1374785	Soil Pulp	1.7	135.0	28.3	87	0.2	51.4	35.1	1197	5.55	75.6	1.9	2.9	20	0.4	1.5	0.4	66	0.39	0.073
1374786	Soil Pulp	1.6	255.2	25.0	120	0.4	78.7	62.2	2176	8.27	67.4	4.0	2.7	14	1.4	1.6	0.2	99	0.31	0.090
1374787	Soil Pulp	0.9	222.4	17.8	106	0.3	69.6	49.1	1623	7.79	49.3	6.2	2.2	12	0.8	1.3	0.3	87	0.25	0.078



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374782	Soil Pulp	12	0.13	72	0.002	2	0.42	0.002	0.07	<0.1	0.39	9.4	0.1	<0.05	1	0.8	<0.2
1374783	Soil Pulp	10	0.10	63	0.001	3	0.39	0.002	0.09	<0.1	0.35	7.2	0.1	0.07	1	0.6	<0.2
1374784	Soil Pulp	9	0.09	67	0.002	2	0.31	0.002	0.07	<0.1	0.31	7.8	0.1	<0.05	<1	1.1	<0.2
1374785	Soil Pulp	30	0.52	272	0.005	3	0.98	0.003	0.09	<0.1	0.28	12.4	0.2	0.06	4	0.9	<0.2
1374786	Soil Pulp	43	0.78	279	0.005	4	1.46	0.003	0.09	<0.1	0.11	18.2	0.2	<0.05	6	0.5	<0.2
1374787	Soil Pulp	44	0.73	201	0.003	2	1.49	0.002	0.07	<0.1	0.12	17.9	0.1	<0.05	5	0.6	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
	Soil Pulp	0.9	137.1	9.8	92	0.1	51.3	28.0	1376	7.17	54.4	4.1	1.4	6	0.5	0.8	0.2	88	0.20	0.111	8
	QC	0.9	132.7	9.9	93	0.1	50.7	27.6	1371	7.23	54.7	2.4	1.4	7	0.4	0.7	0.2	87	0.19	0.106	8
	Soil Pulp	1.7	85.1	28.4	63	0.2	58.9	26.8	1791	10.24	113.8	3.1	2.9	8	0.3	4.6	0.4	27	0.08	0.069	7
	QC	1.7	86.8	29.8	66	0.2	60.9	27.4	1821	10.38	114.5	3.3	3.0	10	0.2	4.6	0.4	27	0.09	0.069	8
	Soil Pulp	1.4	16.8	11.2	41	<0.1	14.4	5.6	224	2.18	17.9	1.0	0.3	15	<0.1	0.8	0.4	63	0.18	0.070	13
	QC	1.4	16.8	10.7	41	0.1	14.6	5.4	222	2.16	17.4	<0.5	0.4	14	<0.1	1.0	0.3	60	0.18	0.068	13
	Soil Pulp	1.2	75.6	14.3	72	<0.1	37.7	18.7	619	4.02	36.1	3.2	2.3	11	0.3	1.0	0.2	52	0.16	0.059	14
	QC	1.1	80.9	14.8	76	<0.1	38.9	19.9	661	4.28	37.7	2.4	2.5	10	0.3	1.2	0.2	54	0.16	0.060	14
	Soil Pulp	1.0	155.2	16.7	87	0.2	55.1	34.1	1627	6.26	31.0	4.1	2.0	18	0.2	1.0	0.2	88	0.39	0.096	15
	QC	0.8	152.1	16.1	82	0.2	55.1	33.3	1556	6.12	29.4	1.7	2.0	18	0.2	1.1	0.2	86	0.37	0.094	15
	Soil Pulp	1.4	30.5	15.7	67	<0.1	19.9	8.6	332	3.28	22.5	2.1	0.7	5	0.1	0.9	0.3	33	0.03	0.062	7
	QC	1.4	30.2	15.3	63	<0.1	19.0	8.6	333	3.26	21.8	1.3	0.6	5	0.2	0.9	0.3	33	0.03	0.060	7
	Soil Pulp	1.7	213.1	16.5	77	0.2	66.9	45.3	2190	7.07	35.1	3.7	1.7	14	0.2	1.5	0.2	103	0.33	0.079	14
	QC	1.5	199.6	15.3	73	0.2	62.6	42.5	2025	6.70	33.1	3.4	1.6	13	0.2	1.5	0.2	97	0.30	0.073	13
	Soil Pulp	1.1	21.8	12.3	62	<0.1	16.9	9.0	463	2.82	31.7	1.3	0.3	9	0.2	1.0	0.3	41	0.10	0.071	8
	QC	1.1	21.8	12.4	63	<0.1	17.6	9.0	447	2.78	31.5	0.7	0.3	9	0.1	0.9	0.3	42	0.09	0.073	8
	Soil Pulp	0.9	158.6	35.6	100	0.2	66.6	49.9	1636	7.32	76.4	3.3	2.3	13	0.1	1.4	0.4	34	0.20	0.073	7
	QC	1.0	156.7	35.3	98	0.2	66.0	49.2	1627	7.15	75.0	4.2	2.3	13	0.1	1.4	0.3	34	0.19	0.070	7
Reference Materials																					
	Standard	12.7	111.4	122.4	325	1.9	37.4	7.4	637	2.60	26.1	107.4	6.3	69	2.4	5.9	6.7	42	0.72	0.084	15
	Standard	13.1	104.4	114.9	304	1.8	35.6	7.2	590	2.36	24.7	114.3	7.1	69	2.2	5.6	6.5	41	0.68	0.076	16
	Standard	13.1	107.1	119.0	313	1.8	36.2	7.3	616	2.43	25.9	110.3	6.9	60	2.2	5.3	6.3	42	0.66	0.081	15
	Standard	14.1	113.1	122.5	315	1.8	39.5	7.9	651	2.56	25.7	126.3	7.5	76	2.4	5.9	6.6	46	0.77	0.083	19
	Standard	12.5	108.1	118.1	310	1.8	38.1	7.4	596	2.42	24.9	112.7	6.3	62	2.2	5.2	6.8	40	0.66	0.079	13
	Standard	11.9	102.6	119.9	305	1.8	36.4	7.0	593	2.40	25.2	123.0	6.6	62	2.4	5.5	6.6	39	0.65	0.078	13
	Standard	13.9	115.3	122.6	317	1.8	39.3	7.8	634	2.53	25.6	124.5	7.0	77	2.4	5.8	6.9	45	0.76	0.080	17
	Standard	13.0	115.2	125.6	319	1.8	39.6	7.7	638	2.47	24.7	128.7	6.5	73	2.5	5.7	6.8	43	0.74	0.083	16
	STD DS8 Expected	13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6



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Project: CCJV

Report Date: September 24, 2011

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QUALITY CONTROL REPORT

VAN11004183.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1373222	Soil Pulp	47	0.53	94	0.002	1	1.65	0.004	0.07	<0.1	0.15	15.2	<0.1	<0.05	6	0.6	<0.2
REP 1373222	QC	47	0.51	95	0.002	1	1.63	0.004	0.07	<0.1	0.16	15.0	<0.1	<0.05	6	<0.5	<0.2
1373233	Soil Pulp	14	0.16	134	0.005	4	0.78	0.002	0.05	<0.1	0.95	7.0	0.1	<0.05	2	0.8	0.2
REP 1373233	QC	15	0.16	135	0.005	2	0.82	0.002	0.06	<0.1	0.92	7.3	0.1	<0.05	2	1.3	0.2
1373256	Soil Pulp	25	0.19	185	0.012	2	1.59	0.004	0.09	<0.1	0.08	1.2	0.3	<0.05	7	0.5	<0.2
REP 1373256	QC	25	0.19	175	0.010	2	1.54	0.004	0.09	0.1	0.08	1.3	0.3	<0.05	7	<0.5	<0.2
1373846	Soil Pulp	29	0.47	127	0.012	1	1.17	0.003	0.05	0.1	0.16	6.9	<0.1	<0.05	4	0.7	<0.2
REP 1373846	QC	30	0.50	135	0.010	1	1.21	0.003	0.05	<0.1	0.18	7.1	<0.1	<0.05	4	<0.5	<0.2
1373849	Soil Pulp	49	0.74	106	0.006	2	1.60	0.004	0.07	<0.1	0.11	16.3	<0.1	<0.05	5	0.5	<0.2
REP 1373849	QC	47	0.71	101	0.006	2	1.55	0.004	0.07	<0.1	0.11	15.6	<0.1	<0.05	5	1.1	<0.2
1373867	Soil Pulp	19	0.19	61	0.009	3	1.02	0.002	0.03	0.1	0.07	1.7	<0.1	<0.05	4	<0.5	<0.2
REP 1373867	QC	18	0.19	58	0.009	1	1.01	0.002	0.04	0.1	0.07	1.8	<0.1	<0.05	3	<0.5	<0.2
1374731	Soil Pulp	52	0.91	119	0.005	2	1.71	0.006	0.08	<0.1	0.07	21.0	<0.1	<0.05	6	0.6	<0.2
REP 1374731	QC	49	0.85	117	0.006	2	1.64	0.003	0.08	<0.1	0.07	20.1	<0.1	<0.05	6	<0.5	<0.2
1374746	Soil Pulp	19	0.20	84	0.009	1	0.87	0.003	0.07	0.1	0.08	1.0	<0.1	<0.05	4	<0.5	<0.2
REP 1374746	QC	18	0.20	82	0.010	1	0.86	0.003	0.08	0.1	0.09	0.9	0.1	<0.05	4	<0.5	<0.2
1374777	Soil Pulp	19	0.30	59	0.001	2	0.79	0.002	0.08	<0.1	0.20	12.3	0.1	<0.05	2	0.6	<0.2
REP 1374777	QC	19	0.29	60	0.001	2	0.76	0.002	0.08	<0.1	0.17	12.3	0.1	<0.05	2	0.6	<0.2
Reference Materials																	
STD DS8	Standard	118	0.63	289	0.120	3	0.92	0.090	0.43	3.1	0.20	2.4	5.4	0.15	5	5.3	5.1
STD DS8	Standard	110	0.58	275	0.114	2	0.89	0.097	0.43	3.0	0.20	2.7	5.5	0.11	5	5.6	5.4
STD DS8	Standard	114	0.61	276	0.105	3	0.92	0.092	0.41	2.9	0.22	2.4	5.4	0.16	5	4.8	5.1
STD DS8	Standard	125	0.65	302	0.134	2	1.00	0.110	0.45	3.3	0.22	3.1	5.4	0.16	5	5.4	5.1
STD DS8	Standard	114	0.59	267	0.108	3	0.88	0.091	0.41	3.0	0.20	2.4	5.2	0.15	5	5.5	5.0
STD DS8	Standard	110	0.59	267	0.106	3	0.87	0.090	0.41	2.9	0.20	2.2	5.2	0.14	5	5.2	4.9
STD DS8	Standard	121	0.63	297	0.129	3	1.05	0.113	0.45	3.2	0.22	3.7	5.5	0.14	5	5.6	5.0
STD DS8	Standard	122	0.63	294	0.125	2	1.04	0.107	0.46	3.2	0.20	3.5	5.5	0.15	5	5.5	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5



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Report Date: September 24, 2011

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QUALITY CONTROL REPORT

VAN11004183.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.05	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

VAN11004183.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: September 03, 2011
Report Date: September 28, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

VAN11004461.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID: August 28th, 2011
P.O. Number: HG-11
Number of Samples: 232

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	231	Sorting of samples on arrival and labeling			VAN
1DX2	231	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Part 1

CERTIFICATE OF ANALYSIS

VAN11004461.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1373551	Soil Pulp	1.1	44.4	18.8	76	<0.1	29.4	14.5	472	4.18	34.1	2.4	1.2	9	0.2	1.3	0.4	26	0.07	0.058
1373552	Soil Pulp	1.0	45.0	16.5	64	<0.1	28.7	14.1	450	3.83	42.5	1.0	1.0	12	0.1	1.4	0.4	28	0.12	0.065
1373553	Soil Pulp	0.9	41.4	16.8	59	<0.1	28.3	14.6	444	3.73	41.4	0.7	1.4	12	<0.1	1.4	0.4	23	0.16	0.063
1373554	Soil Pulp	0.7	33.8	15.0	72	0.1	22.4	11.1	371	3.04	41.5	2.4	1.5	12	0.2	1.1	0.4	20	0.18	0.072
1373555	Soil Pulp	0.9	26.9	10.6	84	<0.1	16.8	9.1	455	2.39	36.2	0.6	0.3	12	0.3	1.0	0.3	26	0.15	0.105
1373556	Soil Pulp	0.9	34.2	14.2	60	<0.1	18.0	14.2	1297	3.06	30.6	<0.5	0.2	6	0.3	1.2	0.3	30	0.08	0.087
1373557	Soil Pulp	0.8	26.0	14.6	72	<0.1	14.5	8.2	623	2.87	15.6	0.5	0.7	8	0.2	0.7	0.3	33	0.07	0.043
1373581	Soil Pulp	0.5	42.2	16.5	94	<0.1	29.1	14.6	331	3.82	15.6	1.2	2.9	13	0.2	0.7	0.3	45	0.23	0.031
1373582	Soil Pulp	0.9	52.7	14.2	77	0.1	28.7	16.4	710	4.42	38.8	2.4	1.6	20	0.2	1.1	0.3	50	0.54	0.084
1373583	Soil Pulp	0.8	38.3	14.3	115	0.2	25.0	11.3	338	3.44	22.6	3.0	1.4	21	0.3	1.0	0.3	37	0.62	0.100
1373584	Soil Pulp	0.7	32.1	15.2	131	0.2	23.7	9.6	413	3.08	19.7	0.8	1.4	25	0.3	1.0	0.3	32	0.68	0.123
1373585	Soil Pulp	1.0	35.2	19.2	54	<0.1	24.4	11.6	294	3.89	47.6	1.3	1.3	8	0.1	1.2	0.4	34	0.03	0.041
1373586	Soil Pulp	1.2	23.8	14.6	53	<0.1	18.2	8.2	293	3.77	21.2	1.3	1.4	9	0.1	1.0	0.4	42	0.04	0.049
1373587	Soil Pulp	0.7	16.5	13.8	98	<0.1	14.3	6.2	277	2.83	15.0	1.1	1.0	9	0.1	0.6	0.4	44	0.05	0.106
1373588	Soil Pulp	1.1	32.9	15.2	52	<0.1	17.6	9.7	514	3.22	16.7	<0.5	0.9	9	<0.1	0.9	0.4	47	0.04	0.098
1373589	Soil Pulp	0.9	31.3	14.9	45	<0.1	14.5	7.7	265	3.10	21.8	0.6	0.6	5	<0.1	0.9	0.4	47	0.02	0.052
1373590	Soil Pulp	0.9	54.4	21.1	74	<0.1	32.4	15.7	444	4.14	37.9	1.3	3.6	9	<0.1	1.2	0.4	25	0.08	0.041
1373591	Soil Pulp	0.8	35.2	15.1	57	<0.1	21.6	11.5	372	2.98	31.6	<0.5	2.0	17	<0.1	0.8	0.4	24	0.23	0.069
1373592	Soil Pulp	0.9	46.3	19.0	73	<0.1	27.5	15.5	331	3.89	47.3	0.8	2.1	12	0.1	1.9	0.4	19	0.20	0.054
1373593	Soil Pulp	0.6	48.8	29.4	207	0.1	36.3	18.3	682	5.58	77.4	1.9	2.6	20	4.1	2.7	0.4	19	0.63	0.050
1373594	Soil Pulp	0.6	42.1	18.0	28	0.2	32.5	16.0	619	4.25	59.7	1.4	0.6	54	0.2	2.7	0.3	18	1.63	0.092
1373595	Soil Pulp	0.4	25.5	21.2	29	0.2	13.7	8.1	560	1.75	23.3	1.7	0.4	167	0.4	2.4	0.2	14	3.60	0.110
1373596	Soil Pulp	1.1	58.7	27.2	71	0.3	31.9	16.8	2960	18.80	53.6	5.1	1.5	28	0.4	6.1	0.2	23	1.83	0.126
1373597	Soil Pulp	0.9	43.8	30.4	101	0.3	34.8	17.1	1661	8.85	49.5	2.4	1.5	18	0.5	4.4	0.3	36	0.95	0.095
1373598	Soil Pulp	1.0	28.2	15.9	52	0.2	19.2	9.5	633	2.63	17.5	0.7	0.6	19	0.3	1.3	0.3	31	0.85	0.086
1373599	Soil Pulp	3.6	51.0	44.3	63	0.1	29.2	12.4	235	3.27	63.0	1.7	0.9	7	0.1	8.4	0.4	28	0.08	0.064
1373600	Soil Pulp	1.4	30.6	21.7	64	<0.1	23.8	10.5	351	3.00	32.6	0.9	1.0	16	0.2	1.7	0.3	35	0.35	0.048
1374131	Soil Pulp	0.9	48.8	23.7	76	0.2	35.2	22.1	727	4.83	689.2	2.0	3.4	11	0.1	1.2	0.3	35	0.20	0.064
1374133	Soil Pulp	1.0	30.7	21.2	107	<0.1	15.0	19.7	2453	2.63	17.5	1.1	0.1	11	0.6	0.8	0.3	31	0.13	0.090
1374134	Soil Pulp	1.9	55.3	38.2	76	0.2	35.4	21.1	931	4.05	41.5	2.3	1.8	24	0.3	2.2	0.4	19	0.30	0.068

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1373551	Soil Pulp	14	0.18	113	0.005	1	0.79	0.002	0.06	<0.1	0.07	3.0	<0.1	<0.05	3	<0.5
1373552	Soil Pulp	12	0.14	192	0.003	<1	0.76	0.002	0.05	<0.1	0.11	3.1	<0.1	<0.05	3	0.6
1373553	Soil Pulp	11	0.16	108	0.004	<1	0.60	0.002	0.08	<0.1	0.13	3.8	<0.1	<0.05	2	<0.5
1373554	Soil Pulp	11	0.16	129	0.002	<1	0.68	0.002	0.08	<0.1	0.14	3.9	<0.1	<0.05	2	<0.5
1373555	Soil Pulp	12	0.11	117	0.004	2	0.64	0.002	0.07	<0.1	0.13	0.8	<0.1	<0.05	3	<0.5
1373556	Soil Pulp	10	0.06	105	0.004	2	0.48	0.002	0.08	<0.1	0.08	0.9	0.1	<0.05	3	<0.5
1373557	Soil Pulp	11	0.10	81	0.012	1	0.55	0.002	0.06	<0.1	0.03	1.8	<0.1	<0.05	3	<0.5
1373581	Soil Pulp	28	0.53	128	0.017	<1	1.29	0.004	0.05	<0.1	0.08	5.8	<0.1	<0.05	5	1.2
1373582	Soil Pulp	29	0.48	204	0.006	2	1.29	0.006	0.06	<0.1	0.14	6.5	<0.1	<0.05	4	1.1
1373583	Soil Pulp	24	0.47	171	0.005	<1	1.26	0.005	0.05	<0.1	0.13	4.3	<0.1	0.07	4	1.1
1373584	Soil Pulp	23	0.48	169	0.009	1	1.31	0.005	0.06	<0.1	0.09	3.4	<0.1	0.07	4	0.9
1373585	Soil Pulp	20	0.27	64	0.005	2	1.31	0.003	0.05	<0.1	0.08	2.2	0.1	<0.05	4	0.6
1373586	Soil Pulp	26	0.34	68	0.013	<1	1.47	0.003	0.05	0.1	0.07	2.3	0.2	<0.05	5	<0.5
1373587	Soil Pulp	23	0.33	123	0.006	<1	1.74	0.004	0.05	0.1	0.06	1.9	0.2	<0.05	6	<0.5
1373588	Soil Pulp	20	0.20	171	0.004	2	1.53	0.004	0.07	0.1	0.04	2.2	0.1	<0.05	6	<0.5
1373589	Soil Pulp	15	0.13	67	0.005	<1	0.94	0.003	0.05	0.1	0.04	1.7	0.1	<0.05	6	<0.5
1373590	Soil Pulp	17	0.28	124	0.002	<1	0.97	0.002	0.06	<0.1	0.05	4.3	<0.1	<0.05	3	0.7
1373591	Soil Pulp	13	0.14	134	0.003	<1	0.71	0.003	0.08	<0.1	0.07	4.9	<0.1	<0.05	3	0.7
1373592	Soil Pulp	11	0.17	81	0.002	<1	0.52	0.002	0.06	<0.1	0.08	4.8	<0.1	<0.05	2	<0.5
1373593	Soil Pulp	10	0.15	96	0.001	<1	0.54	0.002	0.06	<0.1	0.44	6.9	<0.1	<0.05	1	0.6
1373594	Soil Pulp	9	0.12	76	0.002	2	0.55	0.003	0.06	<0.1	0.52	4.2	<0.1	0.07	1	1.1
1373595	Soil Pulp	8	0.05	115	0.003	2	0.53	0.003	0.03	<0.1	0.33	1.9	<0.1	0.10	1	0.9
1373596	Soil Pulp	10	0.31	168	0.003	2	0.51	0.002	0.04	<0.1	2.25	4.6	<0.1	0.07	1	1.9
1373597	Soil Pulp	17	0.27	312	0.006	1	0.97	0.003	0.05	<0.1	0.99	4.4	<0.1	0.07	3	<0.5
1373598	Soil Pulp	15	0.25	200	0.008	1	0.89	0.004	0.05	<0.1	0.16	1.8	<0.1	0.08	4	0.6
1373599	Soil Pulp	11	0.10	189	0.003	2	0.68	0.002	0.06	<0.1	0.48	2.3	0.1	<0.05	3	0.9
1373600	Soil Pulp	16	0.22	2407	0.005	2	0.99	0.003	0.06	<0.1	0.28	2.1	<0.1	<0.05	4	<0.5
1374131	Soil Pulp	16	0.14	71	0.004	<1	0.55	0.003	0.08	<0.1	0.25	6.0	<0.1	<0.05	2	<0.5
1374133	Soil Pulp	13	0.10	163	0.004	2	0.50	0.003	0.09	<0.1	0.04	0.5	<0.1	0.06	3	<0.5
1374134	Soil Pulp	9	0.09	132	0.003	2	0.49	0.003	0.11	<0.1	0.30	4.9	0.2	<0.05	2	0.7

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374135	Soil Pulp	1.0	39.2	24.5	71	<0.1	20.5	19.3	1014	3.58	9.3	0.6	0.6	15	0.3	0.7	0.4	41	0.19	0.098
1374136	Soil Pulp	1.0	36.5	23.1	64	0.1	11.7	12.8	821	3.16	6.5	0.8	0.2	10	0.2	0.6	0.4	41	0.08	0.085
1374137	Soil Pulp	1.0	109.6	48.9	81	0.5	45.7	46.9	6984	6.12	12.2	3.1	1.5	53	0.6	0.8	0.3	75	0.74	0.152
1374138	Soil Pulp	0.6	43.2	26.7	50	0.2	21.2	28.4	2378	2.66	4.7	0.7	0.7	64	0.4	0.4	0.2	34	1.38	0.162
1374139	Soil Pulp	0.7	32.4	18.9	56	0.1	16.8	20.1	2322	2.87	6.8	<0.5	0.5	31	0.3	0.5	0.2	35	0.68	0.136
1374140	Soil Pulp	1.0	159.9	23.1	87	0.3	51.4	44.0	1810	5.86	40.9	4.3	3.8	20	0.2	1.1	0.3	72	0.30	0.056
1374141	Soil Pulp	1.1	94.8	26.9	78	0.2	32.7	44.6	2935	4.89	11.2	0.9	0.7	19	0.2	0.7	0.3	81	0.51	0.125
1374142	Soil Pulp	1.4	33.8	20.7	69	0.2	23.5	21.4	2359	3.14	24.3	<0.5	0.2	12	0.6	0.8	0.4	40	0.09	0.087
1374143	Soil Pulp	0.7	24.9	8.5	97	0.1	16.0	9.3	773	2.86	11.3	<0.5	0.6	11	0.6	0.4	0.2	34	0.32	0.117
1374144	Soil Pulp	1.0	33.4	15.3	77	<0.1	23.8	16.5	782	3.76	22.0	0.7	0.8	12	0.2	0.7	0.3	46	0.23	0.062
1374145	Soil Pulp	1.3	35.2	22.1	91	0.1	23.0	22.7	1729	3.54	13.8	<0.5	0.5	19	0.8	0.9	0.3	44	0.38	0.094
1374146	Soil Pulp	1.2	30.9	16.4	56	<0.1	19.0	15.6	1669	2.70	11.4	<0.5	0.3	17	0.4	0.7	0.3	37	0.26	0.078
1374147	Soil Pulp	0.9	35.8	15.0	58	<0.1	25.5	15.8	1871	3.10	21.3	2.1	1.2	16	0.2	0.7	0.2	24	0.41	0.069
1374148	Soil Pulp	0.8	35.5	12.5	57	<0.1	28.7	16.0	1100	4.29	27.5	<0.5	2.8	7	0.2	0.4	0.2	30	0.23	0.065
1374149	Soil Pulp	0.8	25.6	8.9	54	<0.1	15.2	9.6	536	2.22	15.8	0.6	0.3	8	0.8	0.4	0.2	31	0.16	0.054
1374150	Soil Pulp	0.8	87.3	31.4	99	0.1	54.6	33.1	1316	6.07	24.3	0.6	3.1	23	0.1	0.6	0.4	22	0.53	0.078
1374151	Soil Pulp	0.7	46.1	14.6	58	<0.1	30.1	18.2	824	3.84	37.7	0.9	2.8	11	0.2	0.5	0.2	31	0.26	0.061
1374152	Soil Pulp	1.1	36.2	11.6	72	<0.1	23.5	13.8	1248	2.89	36.0	0.5	0.3	12	0.3	0.7	0.3	35	0.27	0.060
1374153	Soil Pulp	1.0	43.0	14.0	64	0.1	29.0	15.1	533	3.61	41.1	<0.5	0.6	8	0.2	0.8	0.3	34	0.08	0.048
1374154	Soil Pulp	1.5	70.1	32.4	53	0.2	50.3	25.7	1242	5.59	193.1	3.7	1.8	16	0.1	3.1	0.3	19	0.40	0.072
1374155	Soil Pulp	1.1	47.7	29.6	34	0.3	66.1	39.1	1915	11.38	110.6	7.0	3.6	42	0.1	3.7	0.5	25	1.39	0.087
1374156	Soil Pulp	0.8	68.3	20.2	87	<0.1	36.8	28.4	908	3.86	23.0	1.5	1.4	10	0.1	1.2	0.3	19	0.03	0.040
1374157	Soil Pulp	0.6	40.3	11.9	60	<0.1	25.9	10.9	365	2.90	6.9	<0.5	2.6	30	0.2	0.3	0.3	16	0.42	0.045
1374159	Soil Pulp	0.4	34.2	11.6	55	<0.1	23.1	13.0	816	3.21	11.9	<0.5	3.1	58	0.6	0.4	0.2	15	1.86	0.051
1374160	Soil Pulp	1.2	50.6	25.3	81	0.1	26.2	11.2	287	2.92	27.5	3.3	3.5	47	0.2	0.8	0.3	27	0.72	0.042
1374161	Soil Pulp	0.8	22.2	15.1	50	<0.1	19.6	8.3	408	2.30	13.0	<0.5	1.6	54	0.2	0.5	0.2	20	1.33	0.054
1374623	Soil Pulp	1.6	1014	625.9	5809	0.7	251.9	99.9	1541	7.17	565.1	4.3	1.1	19	24.5	8.6	0.2	34	0.81	0.076
1374644	Soil Pulp	0.6	26.4	17.2	64	<0.1	23.8	7.9	208	2.76	9.0	<0.5	1.8	48	0.2	0.4	0.3	19	0.69	0.071
1374645	Soil Pulp	0.7	26.1	20.2	90	<0.1	25.8	10.1	309	2.89	9.1	0.8	1.5	26	0.2	0.4	0.3	17	0.35	0.071
1374646	Soil Pulp	1.2	37.8	34.5	94	<0.1	31.0	17.0	582	4.16	10.4	0.8	1.5	13	0.1	0.6	0.5	33	0.05	0.063

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374135	Soil Pulp	27	0.39	112	0.008	2	1.35	0.003	0.11	<0.1	0.03	1.4	<0.1	<0.05	5	0.5	<0.2
1374136	Soil Pulp	20	0.13	93	0.007	2	0.90	0.004	0.13	<0.1	0.05	0.6	<0.1	<0.05	6	<0.5	<0.2
1374137	Soil Pulp	46	0.72	176	0.006	2	2.12	0.004	0.08	<0.1	0.12	35.0	0.1	0.07	6	2.6	<0.2
1374138	Soil Pulp	23	0.44	108	0.008	5	1.23	0.006	0.10	<0.1	0.11	3.6	<0.1	0.14	4	0.7	<0.2
1374139	Soil Pulp	19	0.26	124	0.005	2	0.87	0.003	0.09	<0.1	0.06	2.8	<0.1	0.08	3	0.5	<0.2
1374140	Soil Pulp	39	0.89	115	0.030	2	1.76	0.006	0.14	<0.1	0.07	12.5	<0.1	<0.05	6	0.6	<0.2
1374141	Soil Pulp	37	0.57	150	0.028	3	1.87	0.004	0.12	0.1	0.03	5.6	0.1	<0.05	6	0.6	<0.2
1374142	Soil Pulp	16	0.10	189	0.006	1	0.74	0.003	0.07	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1374143	Soil Pulp	15	0.17	132	0.006	1	0.86	0.003	0.06	0.1	0.03	1.8	<0.1	<0.05	3	0.5	<0.2
1374144	Soil Pulp	21	0.25	197	0.007	2	1.02	0.003	0.08	0.1	0.03	2.6	<0.1	<0.05	4	0.6	<0.2
1374145	Soil Pulp	21	0.28	217	0.011	2	1.09	0.004	0.14	0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1374146	Soil Pulp	15	0.16	318	0.008	2	0.73	0.003	0.10	<0.1	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1374147	Soil Pulp	12	0.15	153	0.005	2	0.58	0.003	0.09	<0.1	0.08	3.1	<0.1	<0.05	2	<0.5	<0.2
1374148	Soil Pulp	12	0.13	106	0.004	1	0.68	0.002	0.07	<0.1	0.06	5.0	<0.1	<0.05	2	<0.5	<0.2
1374149	Soil Pulp	11	0.08	104	0.005	<1	0.46	0.002	0.07	0.1	0.04	1.2	<0.1	<0.05	3	0.6	<0.2
1374150	Soil Pulp	15	0.23	136	0.002	3	0.57	0.002	0.11	<0.1	0.07	9.1	0.1	<0.05	2	<0.5	<0.2
1374151	Soil Pulp	20	0.27	101	0.004	1	0.87	0.002	0.09	<0.1	0.05	5.9	<0.1	<0.05	3	<0.5	<0.2
1374152	Soil Pulp	13	0.09	148	0.006	2	0.46	0.002	0.08	<0.1	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1374153	Soil Pulp	17	0.17	105	0.004	<1	0.74	0.002	0.08	<0.1	0.07	1.9	<0.1	<0.05	3	0.6	<0.2
1374154	Soil Pulp	9	0.08	68	0.002	2	0.35	0.002	0.09	<0.1	0.95	6.4	0.2	<0.05	1	1.0	0.3
1374155	Soil Pulp	14	0.29	103	0.004	4	0.57	0.003	0.12	<0.1	0.32	10.3	0.1	<0.05	2	<0.5	<0.2
1374156	Soil Pulp	8	0.05	54	0.002	2	0.35	0.002	0.09	<0.1	0.09	4.0	<0.1	<0.05	2	<0.5	<0.2
1374157	Soil Pulp	12	0.11	137	0.003	1	0.64	0.002	0.07	<0.1	0.03	5.4	<0.1	<0.05	2	<0.5	<0.2
1374159	Soil Pulp	10	0.36	117	0.002	4	0.46	0.004	0.10	<0.1	0.04	5.2	<0.1	<0.05	1	<0.5	<0.2
1374160	Soil Pulp	17	0.18	272	0.003	2	0.78	0.003	0.07	<0.1	0.10	5.0	<0.1	<0.05	2	<0.5	<0.2
1374161	Soil Pulp	13	0.12	106	0.005	2	0.79	0.004	0.05	<0.1	0.08	3.5	<0.1	0.05	2	<0.5	<0.2
1374623	Soil Pulp	14	0.17	2791	0.003	5	0.53	0.003	0.06	<0.1	2.12	5.2	<0.1	0.06	4	1.0	<0.2
1374644	Soil Pulp	14	0.22	95	0.004	2	0.84	0.004	0.08	<0.1	0.06	2.9	<0.1	0.06	2	<0.5	<0.2
1374645	Soil Pulp	13	0.18	74	0.003	2	0.71	0.003	0.09	<0.1	0.05	2.1	<0.1	<0.05	2	<0.5	<0.2
1374646	Soil Pulp	23	0.28	67	0.006	2	1.42	0.003	0.09	<0.1	0.04	2.3	0.2	<0.05	5	<0.5	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374647	Soil Pulp	1.1	36.9	26.6	87	<0.1	27.4	13.7	428	4.02	10.7	<0.5	2.8	12	0.2	0.5	0.4	32	0.03	0.044
1374648	Soil Pulp	1.2	39.9	36.8	98	<0.1	27.7	16.0	700	4.48	8.9	0.7	1.0	13	0.3	0.5	0.5	35	0.04	0.092
1374649	Soil Pulp	1.2	18.6	13.8	67	0.2	16.4	6.6	415	2.32	8.0	4.2	0.1	8	0.2	0.6	0.2	36	0.06	0.067
1374650	Soil Pulp	1.1	12.1	9.1	46	<0.1	8.9	4.2	549	1.72	4.7	<0.5	<0.1	16	0.2	0.3	0.3	36	0.19	0.081
1374901	Soil Pulp	1.2	57.3	47.3	86	0.4	53.3	27.9	1019	5.59	39.7	5.3	2.1	18	0.4	4.5	0.4	17	1.21	0.084
1374902	Soil Pulp	1.2	31.1	44.2	140	0.3	43.0	18.1	3153	22.57	86.3	2.3	1.2	44	1.3	7.0	0.2	40	3.30	0.161
1374903	Soil Pulp	1.1	222.0	19.4	97	0.2	24.3	11.5	4231	29.45	72.0	2.0	0.9	30	0.4	9.6	<0.1	26	2.43	0.130
1374904	Soil Pulp	1.7	63.3	1104	459	0.4	37.4	16.0	3715	15.51	91.4	1.4	0.4	53	2.8	11.8	<0.1	18	4.99	0.134
1374905	Soil Pulp	3.5	125.9	71.1	67	1.3	104.5	43.4	1679	8.28	129.8	4.7	2.5	10	0.3	11.8	0.5	16	0.77	0.043
1374906	Soil Pulp	1.6	69.1	62.6	378	0.1	46.4	17.6	203	3.66	94.9	1.1	1.1	12	2.2	5.5	0.3	19	0.24	0.056
1374907	Soil Pulp	3.5	36.7	46.2	118	0.2	23.8	9.6	129	2.31	65.1	1.8	0.9	12	0.7	6.4	0.3	24	0.18	0.057
1374908	Soil Pulp	1.1	44.3	29.0	106	<0.1	29.3	11.8	253	2.82	35.0	1.2	0.9	12	0.2	2.1	0.2	34	0.21	0.049
1374909	Soil Pulp	1.3	147.7	23.0	51	0.3	62.3	34.5	547	5.13	75.3	6.0	1.3	13	0.2	5.0	0.3	34	0.73	0.049
1374910	Soil Pulp	0.8	128.7	10.9	49	0.2	72.2	34.2	668	5.60	81.5	3.4	1.0	23	<0.1	2.6	0.2	66	1.21	0.083
1374911	Soil Pulp	0.9	59.9	11.8	88	<0.1	27.1	15.0	705	4.60	31.6	1.8	0.9	7	0.3	0.7	0.3	71	0.05	0.049
1374940	Soil Pulp	2.5	61.3	33.0	125	0.1	35.0	19.7	570	2.72	12.6	1.5	5.2	45	0.6	0.9	0.3	16	4.16	0.100
1374941	Soil Pulp	0.9	40.9	25.4	103	0.2	30.6	13.2	295	3.13	11.5	1.6	3.1	80	0.2	0.4	0.3	14	1.26	0.096
1374942	Soil Pulp	1.2	22.7	17.3	78	<0.1	21.2	8.4	332	2.62	11.1	<0.5	1.2	18	0.2	0.5	0.3	32	0.40	0.072
1374943	Soil Pulp	1.0	25.4	20.6	81	0.1	26.9	9.7	1003	3.05	12.7	1.6	2.2	20	0.3	0.7	0.3	26	0.46	0.095
1374944	Soil Pulp	0.7	35.6	25.9	89	0.2	33.7	13.7	516	3.37	12.7	0.6	3.4	31	0.2	0.5	0.3	22	0.35	0.053
1374945	Soil Pulp	0.7	29.8	19.2	96	0.1	26.8	10.8	410	3.02	10.8	0.8	2.1	24	0.2	0.5	0.3	22	0.50	0.056
1374946	Soil Pulp	0.9	57.4	16.5	103	0.1	33.1	13.1	527	2.99	7.5	11.3	3.5	22	0.4	0.5	0.3	26	0.39	0.071
1374947	Soil Pulp	0.6	21.3	45.3	175	0.2	24.3	8.0	578	2.87	18.3	<0.5	1.7	23	0.4	0.5	0.2	14	1.09	0.097
1374948	Soil Pulp	0.7	33.0	30.1	110	0.2	33.5	12.0	651	3.83	17.8	<0.5	1.5	47	0.2	0.4	0.3	15	1.19	0.072
1374949	Soil Pulp	0.6	27.7	42.2	117	0.2	28.4	10.4	704	3.50	18.8	<0.5	1.8	49	0.2	0.5	0.3	19	1.08	0.087
1374950	Soil Pulp	0.8	25.5	17.4	83	0.1	23.6	8.2	248	2.48	13.5	<0.5	1.4	23	0.1	0.4	0.2	29	0.33	0.060
1374951	Soil Pulp	1.1	19.1	20.8	157	<0.1	18.4	9.7	739	3.17	11.3	2.6	0.7	33	0.4	0.6	0.3	37	0.78	0.094
1374952	Soil Pulp	1.1	18.7	15.8	102	<0.1	22.0	9.1	482	3.01	9.6	<0.5	0.7	22	0.2	0.6	0.2	41	0.39	0.091
1374953	Soil Pulp	1.1	31.2	21.5	73	0.1	21.5	10.6	684	3.19	16.8	2.4	0.3	7	0.1	0.6	0.4	26	0.02	0.065
1374954	Soil Pulp	0.9	27.2	29.7	90	<0.1	24.7	12.4	870	3.38	42.8	<0.5	2.0	16	0.2	0.9	0.3	19	0.20	0.073

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374647	Soil Pulp	16	0.17	49	0.004	2	1.06	0.003	0.07	<0.1	0.01	3.0	0.2	<0.05	4	<0.5	<0.2
1374648	Soil Pulp	29	0.44	54	0.007	2	1.57	0.004	0.09	<0.1	0.03	1.8	0.1	<0.05	6	<0.5	<0.2
1374649	Soil Pulp	19	0.19	72	0.007	1	0.90	0.003	0.06	<0.1	0.04	0.4	<0.1	<0.05	4	<0.5	<0.2
1374650	Soil Pulp	14	0.08	113	0.004	1	0.75	0.003	0.07	<0.1	0.01	0.3	0.1	<0.05	4	<0.5	<0.2
1374901	Soil Pulp	11	0.17	303	0.001	3	0.44	0.002	0.08	<0.1	0.31	8.9	0.1	0.06	<1	<0.5	<0.2
1374902	Soil Pulp	12	0.93	714	0.007	2	0.64	0.004	0.04	<0.1	2.55	5.0	0.1	<0.05	2	0.6	<0.2
1374903	Soil Pulp	9	0.61	437	0.012	3	0.65	0.003	0.03	<0.1	2.25	3.0	0.1	0.08	2	0.6	<0.2
1374904	Soil Pulp	7	1.19	667	0.008	5	0.41	0.004	0.03	<0.1	1.81	2.5	0.2	0.12	1	<0.5	<0.2
1374905	Soil Pulp	8	0.14	587	<0.001	4	0.38	0.002	0.09	<0.1	1.82	10.8	0.1	0.09	<1	1.6	0.2
1374906	Soil Pulp	8	0.06	670	0.002	4	0.34	0.002	0.12	<0.1	0.30	4.4	<0.1	0.06	1	0.6	<0.2
1374907	Soil Pulp	8	0.04	720	0.002	4	0.40	0.002	0.11	<0.1	0.27	2.1	0.1	0.07	2	<0.5	<0.2
1374908	Soil Pulp	17	0.22	1010	0.008	1	0.83	0.004	0.07	0.1	0.09	2.8	<0.1	<0.05	3	<0.5	<0.2
1374909	Soil Pulp	14	0.16	63	0.002	3	0.40	0.002	0.06	<0.1	0.63	9.9	<0.1	<0.05	1	1.4	<0.2
1374910	Soil Pulp	31	0.20	88	0.002	3	0.58	0.003	0.05	<0.1	0.46	13.8	<0.1	0.06	2	0.6	<0.2
1374911	Soil Pulp	32	0.35	180	0.008	3	1.35	0.004	0.06	<0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
1374940	Soil Pulp	12	1.53	79	0.004	4	0.65	0.005	0.09	<0.1	0.05	5.1	0.1	<0.05	2	0.6	<0.2
1374941	Soil Pulp	13	0.33	132	0.002	5	0.79	0.004	0.08	<0.1	0.11	4.4	<0.1	<0.05	2	0.8	<0.2
1374942	Soil Pulp	17	0.23	173	0.006	2	1.09	0.002	0.06	<0.1	0.04	2.0	0.1	<0.05	3	<0.5	<0.2
1374943	Soil Pulp	17	0.26	132	0.007	2	1.07	0.004	0.05	0.2	0.09	2.5	<0.1	<0.05	2	<0.5	<0.2
1374944	Soil Pulp	17	0.19	142	0.005	2	0.93	0.003	0.06	<0.1	1.13	5.0	0.1	<0.05	2	<0.5	<0.2
1374945	Soil Pulp	14	0.21	132	0.006	1	0.76	0.003	0.06	<0.1	0.09	3.3	<0.1	<0.05	2	<0.5	<0.2
1374946	Soil Pulp	16	0.28	110	0.009	2	0.69	0.004	0.06	<0.1	0.10	4.8	<0.1	<0.05	2	0.5	<0.2
1374947	Soil Pulp	11	0.27	100	0.004	3	0.54	0.003	0.06	<0.1	0.39	2.4	<0.1	0.08	1	0.6	<0.2
1374948	Soil Pulp	10	0.10	97	0.002	2	0.47	0.002	0.05	<0.1	0.21	3.8	<0.1	0.07	1	0.7	<0.2
1374949	Soil Pulp	12	0.11	147	0.003	2	0.77	0.003	0.05	<0.1	0.35	3.5	<0.1	0.05	2	<0.5	<0.2
1374950	Soil Pulp	17	0.28	110	0.008	1	0.90	0.005	0.05	0.1	0.10	2.8	<0.1	<0.05	3	0.6	<0.2
1374951	Soil Pulp	21	0.32	152	0.013	1	1.11	0.003	0.07	0.1	0.19	1.5	<0.1	<0.05	4	0.9	<0.2
1374952	Soil Pulp	24	0.37	166	0.011	1	1.39	0.004	0.07	0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1374953	Soil Pulp	12	0.07	62	0.005	2	0.59	0.002	0.06	<0.1	0.05	1.0	0.1	<0.05	3	<0.5	<0.2
1374954	Soil Pulp	15	0.21	157	0.004	2	0.78	0.003	0.08	<0.1	0.31	3.0	<0.1	<0.05	2	0.7	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374955	Soil Pulp	0.8	31.6	40.8	130	0.2	36.1	12.6	715	4.04	21.5	0.9	1.8	27	0.2	0.5	0.3	18	0.58	0.091
1374956	Soil Pulp	0.9	18.3	66.8	206	<0.1	19.0	7.2	1104	4.42	37.9	<0.5	0.9	9	0.3	0.8	0.3	20	0.41	0.108
1374957	Soil Pulp	0.7	12.9	31.6	125	<0.1	15.1	6.7	723	2.68	16.6	<0.5	0.8	8	0.2	0.6	0.2	23	0.17	0.108
1374958	Soil Pulp	0.9	19.9	35.8	77	0.1	23.1	9.9	858	2.95	17.4	1.5	1.2	26	0.2	0.6	0.3	29	1.10	0.104
1374959	Soil Pulp	1.1	15.7	23.3	97	<0.1	17.4	7.3	607	3.53	13.6	4.6	0.2	9	0.3	1.0	0.4	41	0.16	0.067
1374960	Soil Pulp	0.4	22.7	41.8	53	0.4	22.5	8.3	458	3.40	23.0	<0.5	2.9	61	0.1	0.2	0.2	8	1.62	0.065
1374961	Soil Pulp	1.6	17.7	18.2	56	<0.1	16.3	6.5	304	3.73	16.1	<0.5	1.9	7	0.1	0.8	0.3	55	0.03	0.043
1374962	Soil Pulp	1.8	18.0	15.4	44	<0.1	15.4	6.0	372	2.49	22.6	1.2	0.3	6	<0.1	0.9	0.4	57	0.02	0.041
1374963	Soil Pulp	1.5	40.2	66.8	238	0.3	35.3	10.3	343	4.08	52.4	1.2	0.4	10	0.1	1.0	0.3	23	0.01	0.099
1374964	Soil Pulp	1.3	16.9	22.2	87	<0.1	19.4	9.9	556	3.53	14.7	<0.5	0.5	10	0.3	0.7	0.3	47	0.07	0.092
1374965	Soil Pulp	0.8	30.1	26.1	74	0.1	25.3	11.6	1371	3.72	19.7	1.1	2.1	19	0.2	0.9	0.3	20	2.00	0.083
1374966	Soil Pulp	0.5	14.8	25.2	57	0.2	17.7	7.5	2216	3.58	19.6	1.3	0.8	33	0.2	1.0	0.2	26	4.02	0.154
1374967	Soil Pulp	0.9	34.7	25.6	139	0.1	28.2	14.2	897	3.41	32.8	1.1	1.5	44	0.4	1.0	0.2	25	1.28	0.070
1374968	Soil Pulp	0.6	26.1	21.6	53	0.2	17.2	9.4	639	2.67	39.1	0.9	2.1	43	0.1	0.8	0.3	14	3.30	0.049
1374969	Soil Pulp	1.0	19.3	18.2	63	<0.1	15.9	7.8	314	2.59	23.3	<0.5	1.4	28	0.1	0.7	0.3	31	0.25	0.028
1374970	Soil Pulp	1.3	18.9	19.4	51	<0.1	12.2	6.1	260	4.06	10.4	<0.5	1.9	5	0.1	0.6	0.4	49	0.02	0.043
1374971	Soil Pulp	1.6	22.6	28.6	71	<0.1	18.3	9.7	455	4.86	14.6	0.6	2.4	8	<0.1	0.6	0.3	43	0.03	0.042
1374972	Soil Pulp	1.3	37.6	29.2	90	<0.1	24.6	15.6	797	5.78	17.9	0.8	1.8	5	0.1	0.8	0.4	40	0.02	0.065
1374973	Soil Pulp	1.3	38.8	16.1	88	<0.1	22.1	11.4	681	3.95	21.0	1.2	1.3	55	0.2	1.0	0.4	50	0.50	0.070
1374974	Soil Pulp	1.0	64.9	15.4	82	0.1	31.0	16.2	755	4.61	33.2	1.7	1.6	22	0.3	1.4	0.3	43	0.43	0.063
1374975	Soil Pulp	0.9	38.3	23.2	85	<0.1	21.3	15.0	648	4.06	15.1	0.6	2.9	11	0.1	0.7	0.6	31	0.07	0.040
1374976	Soil Pulp	0.8	39.7	21.3	103	0.2	32.6	15.4	274	3.51	22.4	2.2	5.5	29	0.5	0.8	0.3	30	0.39	0.076
1374977	Soil Pulp	0.8	40.0	32.7	70	0.3	20.4	10.0	542	3.20	12.1	2.5	2.9	65	<0.1	0.5	0.6	26	0.44	0.053
1374978	Soil Pulp	0.9	36.6	28.2	88	<0.1	25.8	15.9	926	4.15	8.6	2.1	2.5	13	0.2	0.5	0.5	30	0.08	0.073
1374979	Soil Pulp	1.3	52.2	24.9	101	<0.1	28.5	14.0	683	3.48	13.2	2.5	4.2	17	0.2	0.7	0.5	37	0.12	0.050
1374980	Soil Pulp	1.1	21.3	19.7	59	<0.1	13.6	17.7	1999	5.04	5.2	1.2	3.7	8	<0.1	0.5	0.6	36	0.03	0.080
1374981	Soil Pulp	1.3	13.4	20.0	53	<0.1	14.2	6.1	283	2.86	13.4	2.2	1.2	8	<0.1	0.7	0.4	42	0.04	0.053
1382541	Soil Pulp	1.0	40.1	18.7	116	<0.1	23.5	14.2	527	3.89	25.4	1.1	0.7	15	0.6	0.7	0.3	36	0.17	0.069
1382543	Soil Pulp	0.3	17.4	2.3	15	<0.1	7.1	3.3	80	2.61	36.3	<0.5	1.8	4	0.1	0.1	0.1	20	0.07	0.050
1382544	Soil Pulp	0.4	32.6	6.8	29	<0.1	25.2	14.7	828	3.48	62.9	<0.5	5.2	15	0.1	0.4	0.2	21	0.39	0.039

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1374955	Soil Pulp	12	0.11	107	0.004	1	0.66	0.002	0.07	<0.1	0.23	3.1	0.2	<0.05	2	<0.5
1374956	Soil Pulp	13	0.12	127	0.004	2	0.64	0.002	0.05	<0.1	0.26	2.0	0.5	<0.05	2	<0.5
1374957	Soil Pulp	14	0.12	95	0.004	1	0.95	0.002	0.06	<0.1	0.10	1.3	<0.1	0.05	3	0.6
1374958	Soil Pulp	19	0.29	118	0.008	3	1.11	0.004	0.06	<0.1	0.13	2.6	<0.1	0.06	3	0.6
1374959	Soil Pulp	24	0.27	114	0.010	1	1.32	0.003	0.07	0.1	0.05	0.7	0.1	<0.05	5	<0.5
1374960	Soil Pulp	8	0.14	104	<0.001	1	0.66	0.002	0.04	<0.1	0.35	3.9	0.1	<0.05	1	0.6
1374961	Soil Pulp	21	0.19	58	0.032	2	1.05	0.003	0.06	0.1	0.04	1.8	0.1	<0.05	7	1.0
1374962	Soil Pulp	14	0.06	64	0.017	1	0.70	0.002	0.05	0.1	0.03	0.9	0.1	<0.05	6	<0.5
1374963	Soil Pulp	12	0.06	43	0.004	<1	0.61	0.002	0.05	<0.1	0.24	0.8	0.1	<0.05	3	0.9
1374964	Soil Pulp	29	0.32	178	0.011	2	1.60	0.003	0.07	<0.1	0.05	1.5	0.1	<0.05	5	<0.5
1374965	Soil Pulp	14	0.93	191	0.005	3	0.84	0.003	0.06	<0.1	0.26	3.9	0.1	<0.05	2	<0.5
1374966	Soil Pulp	16	1.86	318	0.008	1	0.92	0.005	0.04	<0.1	0.11	2.1	<0.1	0.05	2	0.5
1374967	Soil Pulp	21	0.58	238	0.005	4	1.13	0.006	0.08	<0.1	0.40	2.8	0.1	0.05	3	0.6
1374968	Soil Pulp	11	1.69	142	0.003	2	0.65	0.005	0.07	<0.1	0.46	4.4	0.1	<0.05	2	0.8
1374969	Soil Pulp	15	0.20	130	0.007	1	0.75	0.003	0.08	0.1	0.04	1.8	0.1	<0.05	4	<0.5
1374970	Soil Pulp	21	0.18	45	0.007	1	1.29	0.003	0.06	0.1	0.02	1.9	0.1	<0.05	7	0.7
1374971	Soil Pulp	24	0.25	64	0.009	2	1.24	0.003	0.07	0.1	0.03	2.2	0.1	<0.05	6	<0.5
1374972	Soil Pulp	29	0.28	56	0.006	3	1.39	0.003	0.06	<0.1	0.02	2.5	0.1	<0.05	6	<0.5
1374973	Soil Pulp	23	0.30	206	0.004	1	1.33	0.005	0.06	0.1	0.06	3.6	0.1	<0.05	5	0.7
1374974	Soil Pulp	22	0.25	136	0.004	1	1.00	0.004	0.07	<0.1	0.07	5.5	<0.1	<0.05	4	<0.5
1374975	Soil Pulp	19	0.25	48	0.004	<1	0.97	0.003	0.06	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5
1374976	Soil Pulp	23	0.43	213	0.009	1	1.17	0.007	0.07	<0.1	0.17	5.1	<0.1	<0.05	4	0.5
1374977	Soil Pulp	24	0.41	181	0.004	3	1.43	0.007	0.09	<0.1	0.08	3.5	0.1	<0.05	6	<0.5
1374978	Soil Pulp	27	0.46	93	0.005	1	1.66	0.004	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5
1374979	Soil Pulp	27	0.51	177	0.009	<1	1.66	0.005	0.07	0.1	0.06	3.7	0.1	<0.05	5	<0.5
1374980	Soil Pulp	25	0.26	39	0.007	<1	1.51	0.003	0.05	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5
1374981	Soil Pulp	23	0.30	49	0.012	<1	1.30	0.004	0.05	0.1	0.03	1.3	0.1	<0.05	6	<0.5
1382541	Soil Pulp	23	0.37	93	0.007	<1	1.03	0.003	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5
1382543	Soil Pulp	6	0.04	15	<0.001	1	0.14	0.002	0.04	<0.1	0.07	2.1	<0.1	<0.05	<1	<0.5
1382544	Soil Pulp	8	0.09	62	0.001	<1	0.27	0.003	0.06	<0.1	0.07	4.6	<0.1	<0.05	<1	<0.5

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1382545	Soil Pulp	0.9	64.9	35.5	106	0.2	35.2	24.8	2095	4.99	24.4	2.4	3.0	38	0.3	0.8	0.4	38	0.49	0.108
1382546	Soil Pulp	0.8	55.2	20.2	72	<0.1	30.3	22.8	1145	4.77	43.2	0.9	2.3	20	0.2	0.7	0.4	33	0.34	0.100
1382547	Soil Pulp	0.9	82.2	28.2	79	0.1	39.8	23.6	1049	4.97	324.0	2.1	1.9	18	0.4	2.1	0.4	36	0.29	0.076
1382548	Soil Pulp	1.0	62.7	29.1	78	0.2	44.5	23.0	999	5.84	129.9	2.1	2.8	20	0.2	2.4	0.4	26	0.31	0.069
1382549	Soil Pulp	0.9	46.0	24.4	34	0.2	34.4	20.0	860	4.09	493.6	1.6	3.4	17	<0.1	3.7	0.3	24	0.30	0.049
1382550	Soil Pulp	0.5	38.8	7.1	31	<0.1	31.4	17.2	535	3.53	69.5	0.7	4.0	8	<0.1	0.6	0.2	24	0.18	0.038
1382551	Soil Pulp	0.8	31.4	16.4	59	<0.1	24.6	13.7	683	3.97	35.9	<0.5	1.1	7	0.2	0.7	0.2	35	0.11	0.055
1382552	Soil Pulp	1.2	95.8	17.6	114	<0.1	25.1	16.0	2280	7.99	143.9	0.5	1.2	9	0.5	2.3	0.3	40	0.29	0.105
1382553	Soil Pulp	0.9	54.0	24.7	53	0.1	35.8	19.7	1242	7.93	66.2	3.6	1.8	11	0.2	1.9	0.4	23	0.61	0.080
1382554	Soil Pulp	1.2	44.7	18.7	77	<0.1	22.5	14.7	1184	3.63	40.7	1.3	0.3	18	0.2	1.4	0.4	41	0.41	0.122
1382555	Soil Pulp	1.3	20.6	10.9	56	<0.1	14.7	6.6	458	2.74	21.7	<0.5	0.2	8	0.1	1.0	0.3	40	0.09	0.064
1382556	Soil Pulp	0.8	18.3	13.5	118	<0.1	15.7	7.5	345	2.73	25.2	<0.5	0.8	20	0.5	0.7	0.3	36	0.38	0.082
1382557	Soil Pulp	1.3	42.8	15.5	61	<0.1	27.2	14.1	369	3.64	61.4	0.8	0.4	9	0.2	1.4	0.4	35	0.09	0.078
1382558	Soil Pulp	0.9	39.2	18.1	55	<0.1	28.0	14.1	358	4.17	38.7	1.0	0.4	7	0.2	1.2	0.4	30	0.04	0.057
1382559	Soil Pulp	1.0	37.4	17.2	56	<0.1	23.0	13.4	567	3.79	29.0	0.6	0.6	9	0.1	0.9	0.3	31	0.08	0.068
1382600	Soil Pulp	2.0	95.0	31.0	112	<0.1	59.6	21.3	1052	5.55	10.8	2.1	2.9	9	0.1	0.8	0.9	14	0.04	0.050
1382601	Soil Pulp	1.9	38.7	29.9	79	0.2	21.8	8.8	341	4.16	25.7	1.5	0.7	13	0.2	1.7	0.5	37	0.02	0.083
1382602	Soil Pulp	1.6	29.4	21.1	64	0.1	16.4	6.8	229	2.75	20.8	1.2	0.2	8	0.1	1.5	0.3	28	0.03	0.094
1382603	Soil Pulp	1.2	30.1	19.6	79	<0.1	20.4	9.4	369	3.69	15.0	2.2	1.1	13	0.2	1.0	0.4	36	0.17	0.082
1382604	Soil Pulp	1.0	28.6	17.6	80	<0.1	21.8	10.4	339	3.44	14.4	<0.5	1.8	12	0.2	0.8	0.4	29	0.09	0.067
1382605	Soil Pulp	0.5	43.8	33.2	89	<0.1	20.6	27.2	1486	3.78	17.6	0.5	2.4	24	<0.1	0.6	0.5	15	0.02	0.046
1382606	Soil Pulp	1.0	30.4	13.7	80	<0.1	14.9	6.9	187	2.49	17.6	<0.5	0.4	10	0.1	0.9	0.4	36	0.03	0.065
1382607	Soil Pulp	1.0	19.7	13.6	70	<0.1	12.6	5.8	115	1.72	20.8	<0.5	0.9	11	0.3	1.0	0.3	33	0.02	0.072
1382608	Soil Pulp	0.5	53.8	28.8	94	0.1	33.8	19.9	401	2.98	31.3	1.3	6.7	31	0.1	0.7	0.7	7	0.19	0.036
1382609	Soil Pulp	1.2	36.7	20.2	77	<0.1	23.9	12.1	515	3.71	16.6	<0.5	1.6	8	0.3	0.9	0.3	37	0.05	0.064
1382610	Soil Pulp	1.1	27.1	15.6	69	<0.1	20.9	9.5	277	2.98	12.6	<0.5	1.2	8	0.3	0.7	0.2	34	0.06	0.070
1382611	Soil Pulp	0.7	31.4	253.7	291	0.2	25.5	10.7	429	3.50	17.3	0.6	1.9	13	1.0	0.7	0.4	23	0.19	0.072
1382612	Soil Pulp	0.9	41.0	26.5	107	<0.1	33.7	16.4	225	4.49	15.3	0.8	1.9	16	<0.1	1.0	0.4	16	<0.01	0.046
1382613	Soil Pulp	1.3	14.8	14.0	57	<0.1	15.5	5.9	208	2.58	10.5	2.1	0.4	9	0.2	0.7	0.3	50	0.09	0.054
1382614	Soil Pulp	1.2	22.7	20.1	113	<0.1	26.6	11.8	484	3.48	13.6	<0.5	1.7	23	0.2	0.6	0.3	43	0.38	0.082

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382545	Soil Pulp	27	0.54	171	0.009	4	1.45	0.008	0.11	<0.1	0.09	8.7	0.1	<0.05	4	1.0	<0.2
1382546	Soil Pulp	19	0.27	112	0.004	<1	1.00	0.003	0.10	<0.1	0.09	6.4	<0.1	<0.05	3	0.7	<0.2
1382547	Soil Pulp	14	0.11	126	0.002	<1	0.44	0.002	0.08	<0.1	0.92	6.6	0.1	<0.05	2	<0.5	<0.2
1382548	Soil Pulp	13	0.16	74	0.003	<1	0.51	0.003	0.07	<0.1	0.91	6.9	0.1	<0.05	2	0.8	<0.2
1382549	Soil Pulp	11	0.09	52	0.002	1	0.39	0.002	0.08	<0.1	0.51	5.5	0.2	<0.05	1	0.7	<0.2
1382550	Soil Pulp	10	0.14	53	0.003	<1	0.46	0.003	0.05	<0.1	0.14	4.9	<0.1	<0.05	1	<0.5	<0.2
1382551	Soil Pulp	15	0.16	110	0.005	<1	0.67	0.002	0.07	<0.1	0.06	3.1	<0.1	<0.05	3	<0.5	<0.2
1382552	Soil Pulp	15	0.14	185	0.006	<1	0.64	0.003	0.06	<0.1	0.15	4.8	<0.1	<0.05	3	0.6	<0.2
1382553	Soil Pulp	13	0.19	129	0.002	<1	0.60	0.003	0.10	<0.1	0.13	5.3	0.1	<0.05	2	1.0	<0.2
1382554	Soil Pulp	15	0.14	371	0.005	<1	0.76	0.003	0.08	<0.1	0.20	1.7	<0.1	<0.05	4	<0.5	<0.2
1382555	Soil Pulp	17	0.14	95	0.007	<1	0.87	0.002	0.04	0.1	0.05	0.7	0.1	<0.05	5	0.8	<0.2
1382556	Soil Pulp	17	0.31	223	0.006	<1	1.09	0.003	0.05	0.1	0.10	1.8	<0.1	<0.05	4	<0.5	<0.2
1382557	Soil Pulp	14	0.13	202	0.003	<1	0.87	0.002	0.06	<0.1	0.12	1.6	0.1	<0.05	4	0.6	<0.2
1382558	Soil Pulp	15	0.15	73	0.006	<1	0.92	0.002	0.05	<0.1	0.07	1.8	<0.1	<0.05	3	<0.5	<0.2
1382559	Soil Pulp	11	0.10	101	0.004	<1	0.53	0.002	0.07	<0.1	0.06	2.6	<0.1	<0.05	3	<0.5	<0.2
1382600	Soil Pulp	8	0.22	61	<0.001	<1	0.59	<0.001	0.04	<0.1	1.00	7.6	<0.1	<0.05	2	<0.5	0.3
1382601	Soil Pulp	16	0.11	88	0.003	<1	1.06	0.003	0.06	<0.1	1.93	2.1	0.2	<0.05	4	0.9	<0.2
1382602	Soil Pulp	14	0.11	119	0.004	<1	0.82	0.003	0.04	0.1	0.51	0.6	0.1	<0.05	3	0.9	<0.2
1382603	Soil Pulp	19	0.27	273	0.004	<1	1.28	0.003	0.06	<0.1	0.05	2.0	0.1	<0.05	5	<0.5	<0.2
1382604	Soil Pulp	20	0.31	573	0.003	<1	1.21	0.003	0.06	<0.1	0.06	2.7	<0.1	<0.05	4	0.5	<0.2
1382605	Soil Pulp	6	0.07	62	0.002	<1	0.39	0.003	0.06	<0.1	0.03	3.0	<0.1	<0.05	2	<0.5	<0.2
1382606	Soil Pulp	9	0.05	49	0.002	1	0.51	0.003	0.06	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1382607	Soil Pulp	9	0.05	171	0.003	<1	0.60	0.004	0.05	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1382608	Soil Pulp	6	0.15	167	<0.001	1	0.47	0.002	0.07	<0.1	0.09	4.3	<0.1	<0.05	1	<0.5	<0.2
1382609	Soil Pulp	22	0.25	78	0.006	3	1.15	0.003	0.06	0.1	0.06	2.5	<0.1	<0.05	4	0.6	<0.2
1382610	Soil Pulp	20	0.25	71	0.007	2	1.15	0.003	0.05	0.1	0.07	1.6	<0.1	<0.05	4	<0.5	<0.2
1382611	Soil Pulp	16	0.25	259	0.004	2	0.91	0.003	0.07	<0.1	0.21	2.7	<0.1	<0.05	3	<0.5	<0.2
1382612	Soil Pulp	7	0.05	50	0.001	4	0.58	0.002	0.04	<0.1	0.13	2.7	<0.1	<0.05	3	<0.5	<0.2
1382613	Soil Pulp	26	0.37	92	0.016	2	1.48	0.005	0.05	0.2	0.04	1.1	0.2	<0.05	6	0.8	<0.2
1382614	Soil Pulp	26	0.46	201	0.008	2	1.61	0.004	0.07	0.1	0.06	2.6	0.1	<0.05	5	<0.5	<0.2

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Project: CCJV
Report Date: September 28, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1382615	Soil Pulp	0.9	9.6	13.1	86	<0.1	14.2	7.1	266	2.41	8.7	<0.5	0.4	17	0.1	0.4	0.3	47	0.23	0.098
1382616	Soil Pulp	1.0	32.4	17.9	190	0.2	37.1	11.9	551	3.25	10.3	2.8	2.3	43	0.6	0.6	0.2	36	0.85	0.096
1382617	Soil Pulp	1.1	10.0	16.2	65	<0.1	16.0	7.7	293	2.94	7.8	<0.5	0.9	27	<0.1	0.3	0.2	42	0.41	0.105
1382618	Soil Pulp	0.7	17.2	17.0	65	0.1	17.8	8.7	461	2.70	11.8	1.9	1.8	51	0.3	0.4	0.2	29	0.80	0.076
1382619	Soil Pulp	0.9	47.6	24.9	93	<0.1	33.1	15.1	487	3.54	6.3	1.3	5.9	48	0.3	0.4	0.4	10	2.61	0.080
1382620	Soil Pulp	0.4	31.7	20.9	81	<0.1	42.5	14.3	310	2.95	5.0	1.4	5.4	182	0.1	0.4	0.3	14	5.75	0.055
1382621	Soil Pulp	0.7	35.3	24.0	83	<0.1	30.3	13.2	458	3.80	9.6	1.0	2.9	31	<0.1	0.5	0.4	19	0.31	0.089
1382622	Soil Pulp	0.9	39.9	23.7	92	<0.1	29.9	12.5	481	3.98	15.0	1.0	2.7	8	0.2	0.8	0.3	32	0.04	0.055
1382623	Soil Pulp	0.8	37.7	25.8	99	<0.1	35.0	18.0	406	4.18	14.1	0.5	2.9	30	0.2	0.5	0.4	20	0.29	0.063
1382624	Soil Pulp	0.7	36.6	29.3	97	<0.1	36.3	18.7	412	4.60	12.2	<0.5	3.1	8	0.1	0.4	0.4	16	0.02	0.055
1382625	Soil Pulp	1.2	31.7	21.8	79	<0.1	10.9	8.0	737	3.41	8.7	<0.5	0.9	12	0.1	0.5	0.4	36	0.03	0.072
1382626	Soil Pulp	0.8	30.2	39.7	73	<0.1	23.5	22.2	1023	4.11	11.6	1.9	3.6	7	0.1	0.5	0.6	26	0.02	0.081
1382627	Soil Pulp	0.4	22.3	25.1	81	<0.1	17.6	10.5	417	3.54	10.7	<0.5	2.9	31	0.1	0.3	0.3	15	0.48	0.066
1382628	Soil Pulp	1.6	38.1	29.2	87	0.2	23.9	14.3	711	4.45	12.3	2.4	1.0	7	0.2	0.6	0.5	29	0.03	0.099
1382629	Soil Pulp	2.1	35.6	22.7	66	<0.1	23.3	12.8	801	3.73	12.7	2.0	0.7	8	0.1	0.7	0.4	30	0.02	0.088
1382630	Soil Pulp	0.7	33.9	28.1	118	0.1	28.7	12.8	225	3.67	9.6	1.1	3.8	30	0.2	0.4	0.4	13	0.45	0.062
1382631	Soil Pulp	1.1	32.9	26.1	93	<0.1	32.3	16.4	533	4.02	12.6	3.1	2.4	9	0.2	0.7	0.3	29	0.05	0.045
1382632	Soil Pulp	0.8	21.2	18.2	67	<0.1	14.4	7.6	452	2.58	7.1	<0.5	0.3	9	0.1	0.5	0.3	23	0.05	0.086
1382633	Soil Pulp	0.9	27.9	19.9	111	0.1	27.3	12.3	584	3.31	11.3	1.5	1.5	37	0.4	0.6	0.3	32	0.61	0.075
1382634	Soil Pulp	1.4	23.0	19.5	84	<0.1	20.4	8.5	352	3.44	11.3	0.5	0.3	8	0.3	0.7	0.3	43	0.05	0.075
1382635	Soil Pulp	0.7	114.9	31.0	148	<0.1	58.1	31.9	1831	9.53	5.5	2.0	3.7	40	0.3	0.4	0.5	27	0.01	0.058
1382636	Soil Pulp	0.9	31.4	30.0	95	<0.1	33.6	17.6	696	4.22	10.8	1.1	4.4	8	0.3	0.5	0.3	23	0.04	0.058
1382637	Soil Pulp	0.9	28.0	27.4	73	<0.1	23.3	12.7	596	3.92	10.1	<0.5	4.1	23	0.2	0.5	0.4	30	0.27	0.054
1382638	Soil Pulp	0.7	31.9	34.4	81	<0.1	29.6	17.1	697	4.06	9.3	0.8	4.9	16	0.1	0.4	0.4	21	0.10	0.053
1382639	Soil Pulp	0.6	54.1	53.7	115	<0.1	48.8	35.3	1236	5.64	14.8	<0.5	7.8	15	0.2	0.5	0.5	15	0.11	0.059
1382711	Soil Pulp	1.1	26.1	22.1	65	<0.1	21.8	11.2	449	3.10	24.6	1.4	0.4	7	0.2	0.7	0.4	29	0.05	0.065
1382712	Soil Pulp	1.2	23.6	24.9	70	<0.1	17.3	8.4	325	2.97	18.2	0.6	0.5	9	0.3	0.8	0.4	39	0.06	0.046
1382713	Soil Pulp	1.4	21.3	24.1	75	<0.1	23.1	10.7	550	3.23	15.1	1.3	0.7	16	0.1	0.7	0.3	39	0.25	0.057
1382714	Soil Pulp	1.0	28.0	38.6	82	0.1	25.8	17.2	941	3.37	16.2	1.7	1.0	12	0.2	0.7	0.3	29	0.12	0.061

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Project: CCJV
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1382615	Soil Pulp	24	0.37	203	0.010	<1	1.52	0.005	0.05	0.2	0.04	0.9	0.2	<0.05	6	0.6
1382616	Soil Pulp	29	0.63	175	0.015	3	1.43	0.008	0.09	0.1	0.18	4.1	<0.1	<0.05	4	0.8
1382617	Soil Pulp	23	0.28	181	0.009	1	1.55	0.006	0.05	0.1	0.04	1.4	0.2	<0.05	5	<0.5
1382618	Soil Pulp	19	0.24	110	0.006	2	1.06	0.004	0.05	<0.1	0.08	2.9	<0.1	<0.05	3	0.6
1382619	Soil Pulp	10	1.29	82	0.003	3	0.34	0.005	0.09	<0.1	0.06	5.9	<0.1	<0.05	<1	0.9
1382620	Soil Pulp	22	0.89	65	0.004	3	1.04	0.004	0.07	<0.1	0.04	4.8	<0.1	<0.05	3	<0.5
1382621	Soil Pulp	20	0.38	92	0.004	4	1.06	0.005	0.10	<0.1	0.05	3.5	<0.1	0.07	3	<0.5
1382622	Soil Pulp	24	0.33	82	0.004	2	1.33	0.003	0.07	<0.1	0.08	3.0	<0.1	<0.05	4	<0.5
1382623	Soil Pulp	22	0.47	73	0.006	3	1.39	0.005	0.08	<0.1	0.07	3.0	<0.1	<0.05	4	0.5
1382624	Soil Pulp	19	0.34	33	0.002	4	1.19	0.003	0.08	<0.1	0.08	2.8	0.1	<0.05	4	<0.5
1382625	Soil Pulp	15	0.14	81	0.005	2	0.95	0.004	0.10	<0.1	0.04	1.3	<0.1	<0.05	6	<0.5
1382626	Soil Pulp	20	0.29	64	0.003	3	1.45	0.004	0.10	<0.1	0.04	3.0	0.1	<0.05	5	<0.5
1382627	Soil Pulp	10	0.14	141	0.002	3	0.76	0.003	0.06	<0.1	0.04	4.7	<0.1	<0.05	2	<0.5
1382628	Soil Pulp	23	0.30	66	0.005	3	1.33	0.003	0.08	<0.1	0.05	1.4	<0.1	<0.05	5	<0.5
1382629	Soil Pulp	17	0.18	86	0.005	3	1.11	0.003	0.07	<0.1	0.08	1.4	0.1	<0.05	5	<0.5
1382630	Soil Pulp	16	0.43	78	0.002	3	1.08	0.003	0.07	<0.1	0.18	4.0	<0.1	<0.05	3	0.7
1382631	Soil Pulp	23	0.44	73	0.009	1	1.45	0.003	0.07	<0.1	0.05	2.8	0.1	<0.05	4	<0.5
1382632	Soil Pulp	14	0.12	56	0.005	2	0.76	0.004	0.08	<0.1	0.07	0.6	<0.1	<0.05	3	<0.5
1382633	Soil Pulp	22	0.43	122	0.012	3	1.22	0.005	0.07	0.1	0.08	2.7	0.1	<0.05	3	0.5
1382634	Soil Pulp	24	0.29	84	0.011	3	1.37	0.004	0.07	0.1	0.08	0.9	0.2	<0.05	5	<0.5
1382635	Soil Pulp	18	0.15	162	0.003	3	0.90	0.002	0.06	<0.1	0.11	9.5	<0.1	<0.05	2	<0.5
1382636	Soil Pulp	23	0.49	71	0.004	2	1.81	0.003	0.06	<0.1	0.07	2.8	0.1	<0.05	4	0.6
1382637	Soil Pulp	20	0.37	101	0.004	2	1.46	0.004	0.10	<0.1	0.04	2.6	0.1	<0.05	6	<0.5
1382638	Soil Pulp	21	0.52	64	0.005	1	1.53	0.004	0.07	<0.1	0.05	3.3	0.1	<0.05	5	<0.5
1382639	Soil Pulp	22	0.71	54	0.004	3	1.78	0.004	0.08	<0.1	0.06	5.1	0.1	<0.05	5	<0.5
1382711	Soil Pulp	14	0.11	82	0.006	1	0.83	0.002	0.06	<0.1	0.04	1.0	0.1	<0.05	3	<0.5
1382712	Soil Pulp	16	0.16	76	0.014	1	0.81	0.003	0.08	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5
1382713	Soil Pulp	23	0.35	144	0.011	1	1.28	0.005	0.08	0.1	0.04	1.5	0.1	<0.05	4	<0.5
1382714	Soil Pulp	21	0.33	146	0.010	2	1.13	0.004	0.08	0.1	0.05	1.8	0.1	<0.05	4	<0.5

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1382736	Soil Pulp	0.9	67.1	58.7	85	<0.1	40.8	30.6	1071	4.68	60.5	<0.5	2.2	13	0.2	5.6	0.3	17	0.03	0.072
1382959	Soil Pulp	0.6	31.2	22.0	81	<0.1	20.7	13.2	579	2.57	27.5	0.9	0.3	9	0.2	0.7	0.4	15	0.10	0.075
1382960	Soil Pulp	0.7	39.9	29.7	84	0.1	21.2	15.6	708	2.99	14.8	<0.5	0.9	13	0.2	0.5	0.5	13	0.10	0.055
1382961	Soil Pulp	0.6	49.0	36.6	90	<0.1	32.9	22.8	719	3.58	36.6	1.1	5.3	32	<0.1	0.9	0.6	8	0.11	0.037
1382962	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382963	Soil Pulp	1.3	31.7	26.2	84	<0.1	25.2	13.4	426	3.22	23.0	1.2	0.5	11	0.3	1.0	0.4	29	0.08	0.066
1382964	Soil Pulp	1.0	31.2	24.3	70	<0.1	24.2	13.0	546	3.09	25.0	0.5	0.4	8	<0.1	0.9	0.4	27	0.07	0.060
1382965	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382966	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382967	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382968	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382969	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382970	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382971	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382972	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382973	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382974	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382975	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382976	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382977	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382978	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382979	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382980	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382981	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382982	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382983	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382984	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382985	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382986	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382987	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382988	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382989	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382990	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382991	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382992	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382993	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382994	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382995	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382996	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382997	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382998	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1382999	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1383000	Soil Pulp	0.5	43.3	22.9	50	<0.1	25.9	19.9	651	2.76	37.5	1.2	3.4	12	<0.1	0.5	0.5	9	0.10	0.039
1383001	Soil Pulp	0.9	158.4	21.7	88	0.2	50.6	34.3	1846	7.13	42.1	4.7	2.2	14	0.2	1.0	0.3	47	0.36	0.095
1383002	Soil Pulp	1.5	172.0	29.9	75	0.3	65.2	48.6	2255	7.19	56.4	5.5	2.8	11	0.3	1.8	0.3	47	0.25	0.089
1383003	Soil Pulp	2.0	102.2	46.5	94	0.3	55.7	35.6	1281	5.52	86.6	2.7	3.8	29	0.3	2.5	0.5	23	0.30	0.054
1383004	Soil Pulp	0.6	111.4	10.0	67	0.2	28.9	30.1	1998	3.13	17.8	1.1	0.4	46	0.7	0.6	0.1	56	1.81	0.117

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382736	Soil Pulp	8	0.06	132	0.001	2	0.62	0.002	0.08	<0.1	0.19	6.5	0.4	<0.05	1	<0.5	<0.2
1382959	Soil Pulp	6	0.04	56	0.002	3	0.26	0.002	0.07	<0.1	0.03	0.8	<0.1	<0.05	2	<0.5	<0.2
1382960	Soil Pulp	8	0.06	79	0.002	3	0.35	0.002	0.07	<0.1	0.03	1.4	<0.1	<0.05	1	<0.5	<0.2
1382961	Soil Pulp	5	0.09	60	<0.001	3	0.28	0.002	0.08	<0.1	0.04	3.2	<0.1	<0.05	<1	<0.5	<0.2
1382962	Soil Pulp	6	0.09	186	0.001	4	0.37	0.002	0.08	<0.1	0.02	2.6	<0.1	<0.05	1	<0.5	<0.2
1382963	Soil Pulp	17	0.24	108	0.008	3	0.97	0.003	0.08	0.1	0.03	1.1	<0.1	0.06	3	<0.5	<0.2
1382964	Soil Pulp	11	0.09	79	0.006	<1	0.64	0.002	0.06	<0.1	0.06	1.0	<0.1	<0.05	3	<0.5	<0.2
1382965	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382966	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382967	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382968	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382969	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382970	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382971	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382972	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382973	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382974	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382975	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382976	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382977	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382978	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382979	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382980	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382981	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382982	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382983	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382984	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382985	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382986	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382987	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382988	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382989	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382990	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382991	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382992	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382993	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382994	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382995	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382996	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382997	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382998	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1382999	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1383000	Soil Pulp	25	0.18	122	0.012	1	1.12	0.005	0.02	0.2	0.15	2.1	0.1	0.05	1	0.5	0.2
1383001	Soil Pulp	30	0.57	72	0.005	3	1.48	0.005	0.09	<0.1	0.13	13.4	<0.1	<0.05	5	1.3	<0.2
1383002	Soil Pulp	28	0.52	68	0.003	3	1.25	0.003	0.09	<0.1	0.13	12.9	0.1	<0.05	4	0.5	<0.2
1383003	Soil Pulp	11	0.14	82	0.002	3	0.42	0.003	0.09	<0.1	0.72	8.5	0.2	<0.05	1	1.3	0.2
1383004	Soil Pulp	26	0.44	599	0.006	5	0.90	0.006	0.06	<0.1	0.14	9.2	<0.1	0.15	3	0.9	<0.2

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Project: CCJV
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383005	Soil Pulp	0.8	165.1	15.1	77	0.1	54.1	37.3	1296	6.43	48.7	4.4	1.5	19	0.3	1.0	0.2	91	0.58	0.087	16
1383006	Soil Pulp	0.7	211.6	22.0	92	0.5	71.9	50.7	1530	8.46	67.7	7.3	1.8	22	0.3	1.5	0.2	123	0.61	0.093	15
1383007	Soil Pulp	0.7	223.4	15.3	93	0.3	68.7	45.1	1830	8.55	45.7	4.1	1.8	22	0.3	0.9	0.2	140	0.45	0.086	19
1383008	Soil Pulp	0.5	248.4	13.9	123	0.4	78.1	56.7	2116	8.72	106.7	6.8	1.9	31	1.2	1.0	0.1	101	0.29	0.069	15
1383009	Soil Pulp	0.5	260.5	12.6	67	0.3	71.1	53.5	1887	7.75	46.0	5.2	1.4	18	0.2	1.0	0.2	67	0.24	0.074	10
1383010	Soil Pulp	0.7	236.0	19.1	84	0.3	58.8	42.3	1641	8.04	47.1	5.7	1.6	15	0.4	1.1	0.2	73	0.35	0.079	13
1383011	Soil Pulp	0.7	239.6	19.5	119	0.3	66.3	44.9	1471	8.01	46.8	4.7	1.9	14	0.7	1.0	0.2	96	0.28	0.091	18
1383012	Soil Pulp	0.4	238.7	10.1	110	0.2	92.7	61.3	1977	10.15	136.7	3.8	1.4	14	0.3	1.1	0.1	191	0.38	0.069	12
1383013	Soil Pulp	0.5	231.6	14.4	93	0.2	76.7	51.0	1705	8.41	87.1	6.1	1.9	11	0.4	1.2	0.2	122	0.29	0.062	16
1383014	Soil Pulp	0.5	151.2	9.6	65	0.2	51.6	34.7	1880	7.02	23.3	4.8	0.7	21	0.2	0.7	0.1	55	0.98	0.100	8
1383015	Soil Pulp	0.8	170.9	14.0	84	0.2	59.9	36.0	1838	8.31	64.7	6.5	1.8	14	0.2	1.1	0.2	125	0.32	0.056	12
1383016	Soil Pulp	1.4	171.9	22.7	91	0.3	62.1	42.7	1471	6.34	71.9	5.6	3.1	13	0.4	1.6	0.3	82	0.24	0.041	13
1383017	Soil Pulp	1.4	96.9	29.0	83	0.1	48.4	30.0	1046	4.73	57.6	3.4	2.3	17	0.3	1.8	0.4	29	0.33	0.052	6
1383018	Soil Pulp	1.1	121.0	25.5	116	0.1	56.2	33.9	1863	6.83	38.7	5.1	2.8	12	1.6	1.4	0.2	56	0.20	0.059	15
1383019	Soil Pulp	0.7	145.9	26.2	87	0.2	62.4	40.8	1836	7.35	60.6	4.0	2.4	12	0.2	1.3	0.3	50	0.31	0.082	16
1383020	Soil Pulp	1.2	56.0	24.6	76	0.1	33.0	17.9	790	4.40	28.5	3.4	1.7	25	0.2	1.3	0.3	21	0.62	0.083	7
1383021	Soil Pulp	0.6	61.8	7.5	72	<0.1	15.7	9.1	2675	6.67	13.0	2.4	1.5	32	0.3	0.4	0.2	35	1.42	0.104	4
1383022	Soil Pulp	0.6	153.2	24.9	80	0.2	38.7	48.5	2876	7.03	35.8	2.0	0.9	18	0.4	0.6	0.2	67	0.54	0.192	10
1383023	Soil Pulp	0.8	74.4	16.2	48	0.1	16.1	33.3	3029	3.95	14.3	3.2	0.1	12	0.4	0.5	0.2	70	0.25	0.187	8
1383024	Soil Pulp	1.8	105.1	50.1	130	0.4	62.4	30.6	1404	6.38	70.0	4.7	2.8	30	0.4	3.0	0.5	17	0.40	0.046	13
1383025	Soil Pulp	0.6	153.2	24.9	80	0.2	38.7	48.5	2876	7.03	35.8	2.0	0.9	18	0.4	0.6	0.2	67	0.54	0.192	10
1383026	Soil Pulp	0.8	74.4	16.2	48	0.1	16.1	33.3	3029	3.95	14.3	3.2	0.1	12	0.4	0.5	0.2	70	0.25	0.187	8
1383027	Soil Pulp	1.8	105.1	50.1	130	0.4	62.4	30.6	1404	6.38	70.0	4.7	2.8	30	0.4	3.0	0.5	17	0.40	0.046	13



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1383005	Soil Pulp	44	0.80	545	0.004	2	1.64	0.004	0.08	<0.1	0.21	13.6	<0.1	<0.05	6	0.6	<0.2
1383006	Soil Pulp	62	1.00	691	0.002	2	2.04	0.004	0.06	<0.1	0.26	23.0	<0.1	<0.05	7	1.0	<0.2
1383007	Soil Pulp	67	1.10	452	0.004	2	1.89	0.005	0.08	<0.1	0.10	29.2	<0.1	<0.05	7	0.8	<0.2
1383008	Soil Pulp	42	0.73	375	0.004	3	1.32	0.005	0.09	<0.1	0.15	24.1	<0.1	<0.05	5	1.2	<0.2
1383009	Soil Pulp	31	0.52	390	0.001	1	1.07	0.003	0.07	<0.1	0.06	17.9	<0.1	<0.05	4	<0.5	<0.2
1383010	Soil Pulp	37	0.60	321	0.003	2	1.32	0.005	0.09	<0.1	0.12	22.5	<0.1	<0.05	5	0.6	<0.2
1383011	Soil Pulp	47	0.78	333	0.003	3	1.67	0.004	0.09	<0.1	0.08	18.5	<0.1	<0.05	6	0.8	<0.2
1383012	Soil Pulp	96	1.56	340	0.002	2	2.28	0.003	0.05	<0.1	0.31	23.4	<0.1	<0.05	10	<0.5	<0.2
1383013	Soil Pulp	60	0.88	446	0.002	2	1.51	0.003	0.06	<0.1	0.29	18.0	<0.1	<0.05	6	<0.5	<0.2
1383014	Soil Pulp	29	0.36	111	0.001	2	0.89	0.004	0.05	<0.1	0.06	16.7	<0.1	0.06	3	0.7	<0.2
1383015	Soil Pulp	49	0.44	282	0.005	2	1.03	0.003	0.07	<0.1	0.41	19.6	<0.1	<0.05	4	0.6	<0.2
1383016	Soil Pulp	42	0.69	220	0.003	2	1.14	0.002	0.06	<0.1	0.58	14.3	0.1	<0.05	5	0.8	<0.2
1383017	Soil Pulp	16	0.23	89	0.001	3	0.46	0.002	0.08	<0.1	0.38	7.2	0.1	<0.05	2	0.8	<0.2
1383018	Soil Pulp	31	0.48	150	0.013	2	1.18	0.004	0.06	<0.1	0.08	8.7	<0.1	<0.05	4	0.9	<0.2
1383019	Soil Pulp	29	0.42	87	0.002	2	1.03	0.003	0.07	<0.1	0.12	12.5	<0.1	<0.05	3	0.7	<0.2
1383020	Soil Pulp	11	0.12	72	0.002	2	0.52	0.003	0.07	<0.1	0.15	6.6	<0.1	0.06	2	0.8	<0.2
1383021	Soil Pulp	11	0.19	72	0.005	3	0.47	0.004	0.06	<0.1	0.15	4.5	<0.1	0.14	1	0.8	<0.2
1383022	Soil Pulp	40	0.70	86	0.005	2	1.84	0.003	0.06	<0.1	0.06	11.1	<0.1	0.10	6	0.6	<0.2
1383023	Soil Pulp	34	0.26	77	0.009	2	0.94	0.004	0.07	<0.1	0.07	3.0	0.1	0.18	5	0.7	<0.2
1383024	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383025	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383026	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383027	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383028	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383029	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383030	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383031	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383032	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383033	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383034	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383035	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383036	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383037	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383038	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383039	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383040	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383041	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383042	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383043	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383044	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383045	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383046	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383047	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383048	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383049	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383050	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383051	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383052	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383053	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383054	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383055	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383056	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383057	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383058	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383059	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383060	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383061	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383062	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383063	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383064	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383065	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383066	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383067	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383068	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383069	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383070	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383071	Soil Pulp	10	0.06	116	0.001	1	0.48	0.002	0.07	<0.1	1.12	10.1	0.2	<0.05	1	1.5	0.3
1383072	Soil P																



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Project: CCJV
Report Date: September 28, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1373585	Soil Pulp	1.0	35.2	19.2	54	<0.1	24.4	11.6	294	3.89	47.6	1.3	1.3	8	0.1	1.2	0.4	34	0.03	0.041	8
REP 1373585	QC	1.0	35.9	19.4	57	<0.1	25.5	12.1	300	3.95	48.5	1.5	1.3	8	0.1	1.2	0.5	34	0.03	0.042	8
1374137	Soil Pulp	1.0	109.6	48.9	81	0.5	45.7	46.9	6984	6.12	12.2	3.1	1.5	53	0.6	0.8	0.3	75	0.74	0.152	28
REP 1374137	QC	1.1	110.6	50.2	81	0.5	45.4	47.5	6947	6.19	12.6	3.9	1.6	52	0.7	0.7	0.3	75	0.71	0.147	28
1374155	Soil Pulp	1.1	47.7	29.6	34	0.3	66.1	39.1	1915	11.38	110.6	7.0	3.6	42	0.1	3.7	0.5	25	1.39	0.087	7
REP 1374155	QC	1.1	47.9	28.3	35	0.3	63.3	38.8	1866	11.17	108.8	5.8	3.4	40	<0.1	3.3	0.5	24	1.37	0.084	7
1374160	Soil Pulp	1.2	50.6	25.3	81	0.1	26.2	11.2	287	2.92	27.5	3.3	3.5	47	0.2	0.8	0.3	27	0.72	0.042	14
REP 1374160	QC	1.2	49.1	24.7	79	0.1	26.1	11.0	286	2.91	27.3	2.6	3.4	47	0.3	0.8	0.3	27	0.73	0.040	14
1374941	Soil Pulp	0.9	40.9	25.4	103	0.2	30.6	13.2	295	3.13	11.5	1.6	3.1	80	0.2	0.4	0.3	14	1.26	0.096	17
REP 1374941	QC	0.8	40.0	24.1	99	0.2	30.9	13.1	293	3.05	11.3	0.5	3.1	79	0.2	0.4	0.3	14	1.24	0.096	16
1374943	Soil Pulp	1.0	25.4	20.6	81	0.1	26.9	9.7	1003	3.05	12.7	1.6	2.2	20	0.3	0.7	0.3	26	0.46	0.095	13
REP 1374943	QC	0.9	25.2	20.4	81	<0.1	27.1	9.7	999	3.05	12.9	2.6	2.2	21	0.3	0.7	0.3	26	0.46	0.095	13
1374965	Soil Pulp	0.8	30.1	26.1	74	0.1	25.3	11.6	1371	3.72	19.7	1.1	2.1	19	0.2	0.9	0.3	20	2.00	0.083	18
REP 1374965	QC	0.9	30.2	26.4	72	0.1	25.6	11.5	1370	3.76	19.6	1.2	2.3	21	0.2	0.9	0.3	21	1.95	0.084	18
1382548	Soil Pulp	1.0	62.7	29.1	78	0.2	44.5	23.0	999	5.84	129.9	2.1	2.8	20	0.2	2.4	0.4	26	0.31	0.069	7
REP 1382548	QC	0.9	60.5	28.7	76	0.2	43.3	22.3	979	5.70	125.5	2.2	2.7	20	0.2	2.4	0.4	26	0.30	0.069	7
1382602	Soil Pulp	1.6	29.4	21.1	64	0.1	16.4	6.8	229	2.75	20.8	1.2	0.2	8	0.1	1.5	0.3	28	0.03	0.094	6
REP 1382602	QC	1.6	29.3	21.3	65	0.1	17.3	6.9	231	2.77	21.1	1.5	0.2	8	0.1	1.7	0.3	29	0.02	0.096	6
1382613	Soil Pulp	1.3	14.8	14.0	57	<0.1	15.5	5.9	208	2.58	10.5	2.1	0.4	9	0.2	0.7	0.3	50	0.09	0.054	12
REP 1382613	QC	1.4	14.3	13.8	57	<0.1	15.4	5.7	203	2.52	10.4	1.2	0.5	9	0.1	0.7	0.2	49	0.09	0.049	12
1382630	Soil Pulp	0.7	33.9	28.1	118	0.1	28.7	12.8	225	3.67	9.6	1.1	3.8	30	0.2	0.4	0.4	13	0.45	0.062	4
REP 1382630	QC	0.7	32.6	28.0	114	0.1	27.8	13.0	226	3.69	9.4	<0.5	3.6	29	0.2	0.4	0.4	14	0.45	0.061	4
1383003	Soil Pulp	2.0	102.2	46.5	94	0.3	55.7	35.6	1281	5.52	86.6	2.7	3.8	29	0.3	2.5	0.5	23	0.30	0.054	7
REP 1383003	QC	2.1	99.6	46.3	95	0.3	55.7	35.4	1278	5.44	87.0	2.1	3.7	29	0.2	2.6	0.6	23	0.30	0.053	7
Reference Materials																					
STD DS8	Standard	13.4	112.5	119.9	319	1.7	37.3	7.8	624	2.44	25.8	104.1	6.9	69	2.7	6.3	7.2	45	0.70	0.082	16
STD DS8	Standard	13.1	100.4	126.8	305	1.8	34.4	6.7	598	2.40	24.5	108.0	7.5	75	2.3	6.1	7.4	39	0.66	0.077	18
STD DS8	Standard	13.3	113.7	124.9	320	1.8	37.0	7.7	613	2.49	25.1	116.2	6.4	61	2.4	5.0	5.9	43	0.68	0.079	14

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



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1373585	Soil Pulp	20	0.27	64	0.005	2	1.31	0.003	0.05	<0.1	0.08	2.2	0.1	<0.05	4	0.6	<0.2
REP 1373585	QC	20	0.27	64	0.006	1	1.34	0.003	0.05	<0.1	0.08	2.4	0.1	<0.05	4	<0.5	<0.2
1374137	Soil Pulp	46	0.72	176	0.006	2	2.12	0.004	0.08	<0.1	0.12	35.0	0.1	0.07	6	2.6	<0.2
REP 1374137	QC	46	0.74	179	0.004	2	2.16	0.004	0.09	<0.1	0.13	35.7	0.1	0.08	7	2.7	<0.2
1374155	Soil Pulp	14	0.29	103	0.004	4	0.57	0.003	0.12	<0.1	0.32	10.3	0.1	<0.05	2	<0.5	<0.2
REP 1374155	QC	14	0.28	99	0.004	3	0.55	0.003	0.12	<0.1	0.32	10.1	0.1	<0.05	2	0.5	<0.2
1374160	Soil Pulp	17	0.18	272	0.003	2	0.78	0.003	0.07	<0.1	0.10	5.0	<0.1	<0.05	2	<0.5	<0.2
REP 1374160	QC	17	0.18	273	0.003	2	0.79	0.003	0.07	<0.1	0.12	4.8	<0.1	<0.05	2	0.7	<0.2
1374941	Soil Pulp	13	0.33	132	0.002	5	0.79	0.004	0.08	<0.1	0.11	4.4	<0.1	<0.05	2	0.8	<0.2
REP 1374941	QC	12	0.32	132	0.002	4	0.77	0.003	0.08	<0.1	0.10	4.3	<0.1	<0.05	2	0.6	<0.2
1374943	Soil Pulp	17	0.26	132	0.007	2	1.07	0.004	0.05	0.2	0.09	2.5	<0.1	<0.05	2	<0.5	<0.2
REP 1374943	QC	17	0.26	133	0.007	2	1.09	0.004	0.06	0.1	0.07	2.6	0.1	<0.05	3	<0.5	<0.2
1374965	Soil Pulp	14	0.93	191	0.005	3	0.84	0.003	0.06	<0.1	0.26	3.9	0.1	<0.05	2	<0.5	<0.2
REP 1374965	QC	15	0.93	197	0.005	3	0.86	0.004	0.07	<0.1	0.26	4.0	<0.1	<0.05	2	0.7	<0.2
1382548	Soil Pulp	13	0.16	74	0.003	<1	0.51	0.003	0.07	<0.1	0.91	6.9	0.1	<0.05	2	0.8	<0.2
REP 1382548	QC	13	0.17	74	0.007	2	0.50	0.003	0.08	<0.1	0.90	6.6	0.1	<0.05	2	<0.5	<0.2
1382602	Soil Pulp	14	0.11	119	0.004	<1	0.82	0.003	0.04	0.1	0.51	0.6	0.1	<0.05	3	0.9	<0.2
REP 1382602	QC	13	0.11	120	0.003	<1	0.82	0.003	0.04	<0.1	0.58	0.7	0.1	<0.05	3	0.7	<0.2
1382613	Soil Pulp	26	0.37	92	0.016	2	1.48	0.005	0.05	0.2	0.04	1.1	0.2	<0.05	6	0.8	<0.2
REP 1382613	QC	26	0.36	91	0.015	1	1.45	0.005	0.05	0.2	0.04	1.0	0.2	<0.05	5	<0.5	<0.2
1382630	Soil Pulp	16	0.43	78	0.002	3	1.08	0.003	0.07	<0.1	0.18	4.0	<0.1	<0.05	3	0.7	<0.2
REP 1382630	QC	16	0.43	78	0.003	4	1.08	0.003	0.08	<0.1	0.19	4.0	<0.1	<0.05	3	1.3	<0.2
1383003	Soil Pulp	11	0.14	82	0.002	3	0.42	0.003	0.09	<0.1	0.72	8.5	0.2	<0.05	1	1.3	0.2
REP 1383003	QC	11	0.14	83	0.001	2	0.41	0.003	0.09	<0.1	0.72	8.5	0.2	<0.05	1	1.0	<0.2
Reference Materials																	
STD DS8	Standard	123	0.62	284	0.128	3	0.93	0.092	0.43	2.6	0.19	2.3	5.1	0.12	4	4.8	4.6
STD DS8	Standard	108	0.59	274	0.120	2	0.91	0.093	0.41	2.8	0.20	2.4	5.3	0.12	5	5.8	4.5
STD DS8	Standard	121	0.62	270	0.116	4	0.90	0.092	0.44	2.9	0.20	2.8	5.3	0.14	5	5.9	4.3

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Project: CCJV

Report Date: September 28, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004461.1

			1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard		12.8	101.3	127.7	304	1.9	34.2	6.9	599	2.40	24.9	124.0	7.3	72	2.1	6.2	7.6	39	0.66	0.080	16
STD DS8	Standard		13.0	106.2	134.5	317	1.9	35.6	7.0	614	2.47	25.9	107.2	7.4	75	2.4	6.5	7.8	40	0.70	0.080	16
STD DS8	Standard		13.3	105.5	128.8	311	2.0	36.4	7.3	598	2.42	24.5	180.0	7.0	69	2.2	5.1	6.0	41	0.71	0.083	16
STD DS8	Standard		14.0	112.2	121.5	319	1.9	39.5	7.6	611	2.48	24.9	115.5	6.8	66	2.4	5.6	6.5	45	0.71	0.082	16
STD DS8	Standard		12.2	111.8	128.4	322	1.9	39.2	7.6	630	2.52	26.2	116.1	6.6	70	2.6	5.8	6.8	42	0.70	0.084	15
STD DS8	Standard		12.3	109.9	127.7	314	1.8	37.4	7.2	603	2.37	25.5	121.4	6.7	66	2.5	6.0	7.1	38	0.69	0.081	14
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV
Report Date: September 28, 2011

Page: 2 of 2 **Part** 2

QUALITY CONTROL REPORT

VAN11004461.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS8	Standard	109	0.59	277	0.115	2	0.88	0.092	0.42	2.9	0.20	2.3	5.4	0.14	5	4.8
STD DS8	Standard	112	0.61	287	0.119	1	0.91	0.093	0.43	3.0	0.21	2.4	5.6	0.14	5	5.0
STD DS8	Standard	114	0.62	289	0.118	3	0.94	0.102	0.43	3.0	0.20	2.4	5.6	0.14	5	5.5
STD DS8	Standard	121	0.61	274	0.124	2	0.92	0.091	0.41	3.0	0.18	2.5	5.4	0.13	4	5.9
STD DS8	Standard	122	0.62	289	0.117	2	0.98	0.075	0.47	3.2	0.20	2.1	5.7	0.15	5	4.8
STD DS8	Standard	113	0.63	277	0.111	3	0.93	0.093	0.43	3.1	0.18	2.0	5.4	0.16	5	4.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: September 03, 2011
Report Date: September 24, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

VAN11004462.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID: August 28th, 2011
P.O. Number: HG-11
Number of Samples: 227

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	226	Sorting of samples on arrival and labeling			VAN
1DX2	226	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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Project: CCJV
Report Date: September 24, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11004462.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1383032	Soil Pulp	2.1	34.4	18.1	92	<0.1	25.5	9.6	247	3.63	17.3	1.4	1.8	37	0.3	0.8	0.3	28	0.77	0.091
1383033	Soil Pulp	1.8	31.5	17.8	84	<0.1	23.8	9.9	276	3.59	21.0	1.9	1.9	29	0.2	0.8	0.4	32	0.58	0.099
1383040	Soil Pulp	0.8	32.5	17.7	82	0.2	28.8	12.1	395	3.41	20.6	2.3	1.8	32	0.3	0.9	0.3	26	0.68	0.069
1383042	Soil Pulp	0.9	31.6	22.6	67	0.1	20.3	22.1	1049	2.95	21.4	1.0	0.4	8	0.3	0.7	0.3	24	0.09	0.097
1383043	Soil Pulp	0.8	35.0	17.6	72	0.2	24.8	10.9	335	3.44	20.5	1.0	0.5	7	0.2	0.9	0.3	28	0.05	0.062
1383044	Soil Pulp	1.4	16.8	15.5	70	<0.1	14.1	6.1	420	3.22	13.5	1.3	0.1	8	0.2	0.8	0.3	55	0.05	0.080
1383045	Soil Pulp	1.1	37.4	21.9	87	<0.1	29.4	16.0	961	3.55	18.4	1.0	1.4	13	0.3	0.6	0.3	26	0.22	0.090
1383046	Soil Pulp	1.2	16.2	10.1	30	0.1	10.7	4.7	94	1.52	14.5	0.6	<0.1	6	0.2	0.7	0.2	36	0.04	0.052
1383047	Soil Pulp	0.7	39.4	30.4	84	<0.1	33.1	16.7	511	4.16	20.7	0.7	2.3	14	0.1	0.5	0.4	22	0.20	0.060
1383048	Soil Pulp	1.0	26.2	13.6	65	<0.1	15.5	9.1	335	2.88	19.2	<0.5	0.2	8	0.1	0.8	0.2	52	0.06	0.082
1383049	Soil Pulp	1.0	39.4	13.7	73	0.1	25.2	15.9	795	3.45	28.4	2.1	0.6	49	0.4	0.9	0.3	43	1.02	0.085
1383050	Soil Pulp	1.3	26.0	18.1	78	<0.1	17.1	7.5	287	3.45	24.4	0.8	0.1	12	0.1	1.5	0.3	55	0.15	0.075
1383051	Soil Pulp	1.0	34.3	12.8	77	0.1	23.6	16.6	856	3.03	19.8	1.0	0.8	16	0.3	0.9	0.2	34	0.22	0.079
1383052	Soil Pulp	1.2	39.8	24.9	114	<0.1	26.7	15.1	574	3.70	57.6	0.6	0.6	6	0.2	2.8	0.3	28	0.05	0.085
1383053	Soil Pulp	1.2	36.2	16.2	81	<0.1	25.7	11.9	278	3.35	55.0	0.8	0.3	5	<0.1	3.1	0.3	34	0.01	0.055
1383054	Soil Pulp	1.1	29.7	17.1	60	0.1	20.1	8.9	242	2.84	37.7	1.6	0.6	6	0.2	1.7	0.2	31	0.03	0.071
1383055	Soil Pulp	1.0	40.3	24.3	105	<0.1	28.6	16.3	1215	3.27	32.0	1.5	1.9	16	0.8	1.2	0.3	17	0.26	0.071
1383056	Soil Pulp	1.2	31.2	16.0	66	<0.1	18.2	7.7	267	2.94	23.6	1.3	1.0	8	0.1	0.8	0.3	34	0.04	0.073
1383057	Soil Pulp	1.3	37.6	17.0	92	0.2	25.2	9.8	286	3.51	20.7	1.6	1.7	41	0.3	0.6	0.3	24	0.87	0.127
1383058	Soil Pulp	1.7	44.1	20.0	110	0.2	29.3	12.4	332	3.82	26.3	3.0	2.3	36	0.3	1.0	0.3	20	0.74	0.079
1383059	Soil Pulp	1.3	53.7	17.5	85	0.2	29.0	12.8	313	4.04	45.5	2.6	2.2	32	0.3	1.1	0.3	24	0.67	0.066
1383060	Soil Pulp	1.6	64.7	26.6	126	0.3	38.1	15.1	546	4.37	28.2	3.5	1.7	56	0.5	1.1	0.3	19	1.11	0.092
1383064	Soil Pulp	1.8	87.3	24.3	85	<0.1	40.5	23.8	1396	6.17	49.9	1.4	1.2	10	0.2	1.5	0.3	47	0.17	0.094
1383065	Soil Pulp	1.2	127.1	16.3	68	<0.1	41.8	27.9	842	7.00	32.7	2.0	1.5	6	0.3	1.1	0.2	63	0.07	0.103
1383066	Soil Pulp	1.6	115.1	19.8	70	<0.1	40.7	29.2	1278	6.41	36.5	0.9	0.8	6	0.2	1.1	0.2	56	0.03	0.115
1383067	Soil Pulp	1.3	31.0	14.2	68	0.1	16.0	12.8	1364	3.28	16.5	1.6	0.2	26	0.4	0.6	0.2	46	0.59	0.213
1383068	Soil Pulp	1.1	141.7	260.3	509	0.2	63.1	38.7	1662	8.74	68.5	4.2	1.4	18	11.3	1.3	0.2	52	0.51	0.118
1383069	Soil Pulp	1.0	59.5	20.3	74	0.2	30.9	19.0	932	4.34	35.0	2.1	1.0	37	0.2	1.0	0.3	25	1.15	0.109
1383070	Soil Pulp	1.0	83.8	20.6	64	0.1	26.8	27.1	1908	4.48	24.7	4.0	0.2	10	0.6	0.9	0.2	51	0.28	0.155
1383071	Soil Pulp	1.2	79.9	23.1	89	0.1	34.6	22.3	713	4.90	64.9	1.6	1.0	9	0.4	1.4	0.3	31	0.16	0.079

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Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004462.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383032	Soil Pulp	20	0.59	137	0.006	4	1.28	0.004	0.05	<0.1	0.05	2.2	<0.1	0.09	4	0.7	<0.2
1383033	Soil Pulp	21	0.59	134	0.006	3	1.38	0.004	0.06	<0.1	0.06	2.8	0.1	0.08	5	<0.5	<0.2
1383040	Soil Pulp	19	0.27	145	0.005	3	0.93	0.003	0.08	<0.1	0.17	4.7	<0.1	0.06	3	1.2	<0.2
1383042	Soil Pulp	13	0.17	139	0.004	3	0.84	0.002	0.06	<0.1	0.07	1.5	<0.1	<0.05	3	0.7	<0.2
1383043	Soil Pulp	16	0.23	68	0.006	2	0.86	0.003	0.07	<0.1	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1383044	Soil Pulp	25	0.21	102	0.011	2	1.23	0.003	0.07	0.1	0.04	0.5	0.1	<0.05	7	0.7	<0.2
1383045	Soil Pulp	19	0.46	112	0.005	2	1.29	0.003	0.05	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1383046	Soil Pulp	10	0.07	80	0.006	1	0.73	0.003	0.05	<0.1	0.04	0.3	0.1	<0.05	4	0.6	<0.2
1383047	Soil Pulp	18	0.29	120	0.002	3	1.21	0.003	0.08	<0.1	0.05	3.2	0.1	<0.05	4	<0.5	<0.2
1383048	Soil Pulp	16	0.07	131	0.003	3	0.91	0.003	0.06	<0.1	0.03	1.0	0.1	<0.05	4	<0.5	<0.2
1383049	Soil Pulp	21	0.23	182	0.005	3	1.10	0.003	0.07	0.1	0.10	3.5	<0.1	0.06	4	0.6	<0.2
1383050	Soil Pulp	16	0.10	76	0.009	2	0.63	0.002	0.07	<0.1	0.05	0.9	<0.1	<0.05	5	0.5	<0.2
1383051	Soil Pulp	20	0.30	123	0.008	1	0.97	0.005	0.06	0.1	0.08	2.8	<0.1	<0.05	3	0.6	<0.2
1383052	Soil Pulp	12	0.06	52	0.003	2	0.52	0.002	0.06	<0.1	0.16	2.8	0.1	<0.05	2	<0.5	<0.2
1383053	Soil Pulp	11	0.04	28	0.003	2	0.52	0.002	0.05	<0.1	0.09	1.6	0.1	<0.05	3	0.6	<0.2
1383054	Soil Pulp	13	0.11	65	0.004	3	0.69	0.002	0.04	<0.1	0.19	2.2	<0.1	<0.05	3	<0.5	<0.2
1383055	Soil Pulp	12	0.16	180	0.002	3	0.60	0.002	0.06	<0.1	0.25	4.0	<0.1	<0.05	2	0.7	<0.2
1383056	Soil Pulp	16	0.13	57	0.006	2	0.77	0.002	0.05	0.1	0.07	1.9	<0.1	<0.05	4	0.6	<0.2
1383057	Soil Pulp	18	0.52	147	0.004	3	1.18	0.003	0.07	<0.1	0.17	3.4	<0.1	0.10	3	1.4	<0.2
1383058	Soil Pulp	16	0.46	110	0.003	4	0.93	0.003	0.07	<0.1	0.20	4.5	<0.1	0.08	3	1.2	<0.2
1383059	Soil Pulp	17	0.43	102	0.003	4	0.95	0.003	0.07	<0.1	0.39	5.1	<0.1	0.06	3	1.4	<0.2
1383060	Soil Pulp	15	0.41	182	0.002	5	0.83	0.004	0.07	<0.1	0.40	5.3	0.1	0.11	2	2.4	<0.2
1383064	Soil Pulp	24	0.16	59	0.003	1	0.71	0.002	0.08	<0.1	0.13	5.0	<0.1	<0.05	3	1.3	<0.2
1383065	Soil Pulp	38	0.47	56	0.004	2	1.60	0.003	0.06	<0.1	0.06	6.3	<0.1	<0.05	6	0.8	<0.2
1383066	Soil Pulp	32	0.26	56	0.005	2	1.25	0.003	0.05	<0.1	0.06	4.6	<0.1	<0.05	5	1.1	<0.2
1383067	Soil Pulp	18	0.14	93	0.007	2	0.91	0.005	0.06	<0.1	0.08	2.0	<0.1	0.19	4	<0.5	<0.2
1383068	Soil Pulp	29	0.30	119	0.003	2	0.98	0.003	0.07	<0.1	0.25	14.1	<0.1	0.07	3	0.9	<0.2
1383069	Soil Pulp	14	0.15	87	0.003	3	0.63	0.004	0.06	<0.1	0.25	5.5	<0.1	0.14	2	0.8	<0.2
1383070	Soil Pulp	28	0.25	76	0.009	3	0.90	0.005	0.08	0.1	0.09	2.9	<0.1	0.13	4	0.9	<0.2
1383071	Soil Pulp	14	0.10	60	0.002	<1	0.53	0.001	0.07	<0.1	0.15	5.5	<0.1	<0.05	2	0.5	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1383072	Soil Pulp	1.3	193.2	14.7	91	0.2	65.0	45.2	1414	7.66	50.9	3.9	1.4	11	0.7	1.0	0.1	107	0.44	0.104
1383073	Soil Pulp	0.9	160.7	14.9	105	0.2	53.5	31.0	870	6.68	52.8	3.4	1.2	19	0.5	0.8	0.1	95	0.92	0.095
1383074	Soil Pulp	0.9	200.5	14.5	100	0.1	71.5	41.9	1688	8.72	64.9	5.1	1.7	9	0.3	0.9	0.2	134	0.25	0.071
1383075	Soil Pulp	2.4	42.0	14.0	60	<0.1	18.2	6.9	190	2.84	8.4	3.9	0.4	9	0.1	0.9	0.3	58	0.05	0.049
1383076	Soil Pulp	2.2	21.8	11.9	48	<0.1	19.4	8.1	266	2.63	8.3	0.8	0.5	10	0.1	0.7	0.3	48	0.10	0.072
1383077	Soil Pulp	1.7	26.0	13.2	76	<0.1	28.1	11.2	512	3.15	11.4	2.4	1.4	14	0.2	0.9	0.3	53	0.17	0.067
1383078	Soil Pulp	1.8	36.5	16.3	76	<0.1	30.8	11.7	354	3.15	8.4	2.2	2.5	14	0.2	0.9	0.4	31	0.25	0.070
1383079	Soil Pulp	1.4	33.0	15.2	63	<0.1	25.9	9.7	356	2.84	9.7	2.1	1.4	13	0.1	0.9	0.3	40	0.10	0.054
1383080	Soil Pulp	1.5	21.7	12.9	89	<0.1	25.3	8.3	329	2.91	12.4	<0.5	1.2	10	0.3	1.2	0.3	52	0.09	0.062
1383081	Soil Pulp	3.3	48.7	29.2	90	<0.1	32.7	14.8	949	8.01	31.5	1.4	1.2	7	0.2	1.2	0.4	22	0.04	0.084
1383082	Soil Pulp	0.9	23.8	14.3	62	<0.1	22.4	10.0	563	2.54	12.2	1.1	0.7	12	0.3	1.1	0.3	31	0.16	0.067
1383083	Soil Pulp	2.8	23.6	23.2	62	<0.1	16.9	8.1	610	2.80	8.2	<0.5	0.4	10	0.2	1.1	0.3	37	0.13	0.067
1383084	Soil Pulp	0.9	18.3	15.1	44	0.1	13.3	7.5	644	2.35	6.7	1.3	0.3	8	<0.1	0.5	0.3	28	0.09	0.074
1383085	Soil Pulp	0.9	27.6	19.1	58	<0.1	18.4	9.5	443	3.32	6.6	3.2	1.5	8	<0.1	0.5	0.4	28	0.03	0.054
1383100	Soil Pulp	0.7	16.9	52.3	119	0.3	17.3	43.6	8558	2.07	4.1	<0.5	0.4	21	1.1	0.5	0.2	16	0.23	0.185
1383105	Soil Pulp	1.7	22.0	12.5	63	0.1	16.6	5.3	163	2.25	9.5	1.0	0.5	7	0.1	0.9	0.3	40	0.03	0.071
1383106	Soil Pulp	1.4	22.7	18.4	69	<0.1	20.5	7.6	313	3.29	9.8	<0.5	0.6	7	0.2	0.8	0.3	40	0.04	0.052
1383107	Soil Pulp	1.5	24.4	18.2	81	<0.1	26.0	8.6	301	3.19	11.4	1.9	1.6	12	0.2	0.9	0.3	41	0.09	0.049
1383108	Soil Pulp	1.3	15.2	9.7	36	<0.1	9.3	3.7	131	1.63	6.8	<0.5	0.3	5	<0.1	0.5	0.2	35	0.02	0.059
1383109	Soil Pulp	1.3	32.3	26.8	78	<0.1	21.3	10.6	500	4.39	14.2	1.4	1.5	6	0.2	0.8	0.4	48	0.02	0.053
1383110	Soil Pulp	1.5	18.8	26.0	53	0.1	10.8	10.0	1475	2.70	10.3	1.7	0.4	8	0.2	0.8	0.4	48	0.05	0.066
1383111	Soil Pulp	1.2	15.3	9.3	25	0.2	7.1	3.1	210	1.82	4.7	<0.5	0.2	5	<0.1	0.5	0.4	36	0.02	0.060
1383112	Soil Pulp	1.5	15.2	15.1	52	<0.1	11.6	5.3	331	4.43	10.1	0.8	1.2	7	<0.1	0.9	0.4	55	0.03	0.045
1383113	Soil Pulp	1.3	12.6	11.1	32	<0.1	7.0	2.8	187	1.71	5.3	<0.5	0.2	7	<0.1	0.5	0.4	40	0.02	0.049
1383114	Soil Pulp	1.4	16.1	12.5	49	<0.1	14.2	5.7	225	2.23	6.6	2.2	0.4	9	0.1	0.7	0.3	39	0.04	0.070
1383115	Soil Pulp	1.6	24.4	16.6	68	<0.1	13.3	8.9	578	4.47	9.3	<0.5	1.6	7	<0.1	0.9	0.5	43	0.04	0.078
1383116	Soil Pulp	0.9	22.3	25.3	46	<0.1	12.5	14.0	1469	2.82	5.3	<0.5	0.4	7	0.2	0.5	0.4	22	0.05	0.110
1383117	Soil Pulp	0.8	24.9	13.8	50	<0.1	12.1	6.9	413	3.73	4.9	<0.5	3.4	7	<0.1	0.6	0.5	30	0.02	0.054
1383118	Soil Pulp	1.2	22.8	32.7	70	0.2	17.8	18.5	2557	5.60	10.5	<0.5	2.8	9	0.1	0.7	0.5	29	0.06	0.080
1383119	Soil Pulp	1.4	17.8	21.6	61	0.2	16.1	7.4	518	3.56	8.6	<0.5	1.8	8	0.1	0.8	0.4	38	0.05	0.051

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1383072	Soil Pulp	55	0.79	215	0.005	3	1.54	0.003	0.08	<0.1	0.10	15.1	<0.1	0.07	6	<0.5
1383073	Soil Pulp	48	0.74	241	0.003	3	1.57	0.004	0.07	<0.1	0.12	15.5	<0.1	0.07	6	0.7
1383074	Soil Pulp	52	0.50	231	0.003	2	1.12	0.002	0.07	<0.1	0.23	18.7	<0.1	<0.05	4	0.6
1383075	Soil Pulp	20	0.13	69	0.019	1	0.89	0.003	0.08	0.1	0.04	1.3	0.2	<0.05	5	0.8
1383076	Soil Pulp	24	0.23	131	0.013	1	1.37	0.004	0.07	0.1	0.03	1.8	0.1	<0.05	5	0.5
1383077	Soil Pulp	28	0.41	147	0.024	2	1.46	0.005	0.07	0.2	0.05	2.5	0.1	<0.05	5	0.7
1383078	Soil Pulp	19	0.34	233	0.011	2	1.17	0.005	0.08	0.1	0.07	3.6	<0.1	<0.05	3	0.8
1383079	Soil Pulp	23	0.37	132	0.018	3	1.31	0.005	0.06	0.1	0.05	2.7	0.1	<0.05	4	0.5
1383080	Soil Pulp	30	0.49	101	0.024	1	1.53	0.005	0.05	0.2	0.04	2.2	0.1	<0.05	5	0.6
1383081	Soil Pulp	10	0.05	58	0.004	2	0.48	0.002	0.04	<0.1	0.29	1.6	<0.1	<0.05	2	0.8
1383082	Soil Pulp	17	0.21	163	0.009	1	0.90	0.003	0.07	0.1	0.13	2.0	<0.1	0.05	3	<0.5
1383083	Soil Pulp	16	0.12	258	0.014	3	0.64	0.002	0.09	0.1	0.08	1.2	<0.1	<0.05	4	<0.5
1383084	Soil Pulp	13	0.12	127	0.008	4	0.80	0.002	0.10	<0.1	0.05	0.8	0.1	0.07	3	0.6
1383085	Soil Pulp	23	0.22	59	0.010	3	1.18	0.003	0.12	<0.1	0.03	1.7	0.1	<0.05	5	0.6
1383100	Soil Pulp	14	0.13	321	0.008	3	0.74	0.007	0.12	<0.1	0.13	1.0	0.2	0.16	2	0.9
1383105	Soil Pulp	19	0.15	54	0.008	3	0.94	0.005	0.05	0.1	0.06	0.9	0.1	<0.05	4	0.7
1383106	Soil Pulp	22	0.29	61	0.012	2	1.17	0.003	0.05	0.1	0.04	1.5	<0.1	<0.05	5	0.7
1383107	Soil Pulp	26	0.44	140	0.020	2	1.43	0.005	0.06	0.2	0.05	2.2	0.1	<0.05	5	0.7
1383108	Soil Pulp	13	0.08	43	0.006	2	0.83	0.004	0.05	<0.1	0.04	0.7	0.1	<0.05	5	0.6
1383109	Soil Pulp	25	0.27	71	0.009	2	1.41	0.004	0.07	0.1	0.07	2.7	0.1	<0.05	7	<0.5
1383110	Soil Pulp	14	0.07	84	0.010	1	0.81	0.004	0.06	<0.1	0.04	1.0	0.1	<0.05	6	<0.5
1383111	Soil Pulp	12	0.06	44	0.006	2	0.83	0.003	0.05	<0.1	0.05	0.8	<0.1	<0.05	5	<0.5
1383112	Soil Pulp	24	0.17	55	0.027	1	1.05	0.003	0.06	0.2	0.05	1.5	0.1	<0.05	7	<0.5
1383113	Soil Pulp	12	0.06	52	0.007	<1	0.72	0.004	0.05	0.1	0.03	0.4	0.1	<0.05	6	<0.5
1383114	Soil Pulp	23	0.25	71	0.010	<1	1.38	0.004	0.07	0.1	0.05	1.0	0.2	<0.05	6	<0.5
1383115	Soil Pulp	17	0.13	62	0.016	2	0.93	0.003	0.09	0.1	0.04	1.3	<0.1	<0.05	7	<0.5
1383116	Soil Pulp	14	0.10	93	0.008	2	0.88	0.004	0.09	<0.1	0.09	0.9	0.1	0.09	4	0.7
1383117	Soil Pulp	16	0.10	57	0.006	2	1.16	0.002	0.12	<0.1	0.05	1.9	0.1	<0.05	6	<0.5
1383118	Soil Pulp	23	0.19	97	0.013	2	0.99	0.003	0.13	0.1	0.10	1.9	0.1	<0.05	5	0.6
1383119	Soil Pulp	20	0.20	66	0.018	3	1.04	0.003	0.10	0.1	0.07	1.6	0.1	<0.05	5	0.7

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1383120	Soil Pulp	1.1	19.3	14.0	65	0.1	13.3	7.2	730	3.23	7.3	1.1	1.7	6	0.2	0.6	0.4	34	0.03	0.047
1383121	Soil Pulp	1.1	23.3	23.6	70	<0.1	16.6	9.2	788	3.58	9.8	<0.5	1.4	10	0.2	0.7	0.4	33	0.04	0.060
1383122	Soil Pulp	1.1	20.5	14.6	54	0.1	10.5	6.6	366	2.68	7.3	<0.5	0.6	7	0.2	0.6	0.4	32	0.04	0.062
1383123	Soil Pulp	0.7	23.5	22.2	57	0.1	17.7	11.4	407	2.77	9.0	<0.5	2.0	17	0.2	0.4	0.4	14	0.22	0.062
1383124	Soil Pulp	0.9	19.4	17.5	50	0.1	11.9	7.6	588	2.47	6.8	0.7	0.7	13	0.2	0.5	0.4	27	0.13	0.095
1383125	Soil Pulp	0.8	23.4	18.2	74	<0.1	24.2	10.4	476	3.20	9.2	1.4	1.0	10	0.3	0.7	0.3	32	0.07	0.073
1383126	Soil Pulp	1.0	22.8	17.8	63	0.1	20.9	10.8	643	3.24	7.0	1.1	1.2	18	0.2	0.5	0.4	29	0.21	0.072
1383127	Soil Pulp	0.7	20.5	20.1	104	0.1	17.7	8.9	955	3.27	6.5	<0.5	1.0	27	0.2	0.5	0.4	32	0.48	0.100
1383128	Soil Pulp	1.0	25.5	25.7	67	<0.1	19.9	13.2	826	3.49	9.3	2.1	1.9	10	0.1	0.6	0.4	27	0.03	0.064
1383129	Soil Pulp	1.0	21.7	20.1	60	0.1	17.1	9.2	720	3.47	9.2	1.1	0.8	7	0.1	0.6	0.4	30	0.03	0.077
1383130	Soil Pulp	0.9	24.5	17.7	63	<0.1	20.0	10.8	641	3.49	6.7	<0.5	0.8	9	0.2	0.5	0.4	26	0.07	0.071
1383131	Soil Pulp	0.8	19.1	13.2	55	<0.1	15.5	7.2	362	2.69	6.2	1.2	0.6	6	0.2	0.5	0.3	26	0.03	0.077
1383132	Soil Pulp	1.0	21.2	15.8	77	<0.1	22.2	11.5	573	2.70	8.7	3.1	1.2	11	0.2	0.6	0.3	27	0.13	0.053
1383133	Soil Pulp	1.8	22.0	12.3	65	<0.1	19.0	8.5	427	2.26	8.6	1.4	1.2	11	0.2	0.7	0.3	25	0.29	0.068
1383134	Soil Pulp	0.7	16.0	29.6	56	0.1	17.5	8.0	1218	2.66	17.1	3.4	0.9	21	0.3	0.9	0.2	25	4.55	0.083
1383135	Soil Pulp	0.8	16.1	14.5	93	0.1	14.7	8.1	1366	2.52	12.7	1.6	0.4	22	0.4	0.9	0.2	21	5.01	0.126
1383136	Soil Pulp	0.9	16.7	13.8	145	0.1	19.8	8.7	2270	4.21	15.0	0.9	0.7	16	0.8	0.8	0.2	29	2.11	0.130
1383137	Soil Pulp	2.2	25.1	14.0	53	<0.1	22.7	9.5	407	2.38	10.3	1.7	1.5	15	0.2	1.0	0.2	20	0.70	0.055
1383138	Soil Pulp	0.9	21.4	14.0	67	0.2	24.2	10.3	825	2.65	12.1	5.2	1.7	19	0.3	0.8	0.3	34	1.18	0.052
1383140	Soil Pulp	0.6	20.9	11.0	43	<0.1	22.1	10.9	481	2.02	11.6	1.3	1.3	22	0.2	0.5	0.2	19	1.00	0.071
1383141	Soil Pulp	0.7	33.7	27.3	37	0.1	31.6	12.1	689	2.69	17.6	2.8	1.0	24	0.2	1.7	0.4	19	1.17	0.083
1383142	Soil Pulp	0.7	17.8	12.5	49	0.1	18.7	8.4	1088	2.70	10.4	2.3	1.1	19	0.3	0.7	0.2	25	3.40	0.102
1383143	Soil Pulp	1.6	53.9	21.5	91	0.2	27.2	12.7	185	2.22	11.1	5.6	10.0	151	0.3	0.6	0.3	10	6.50	0.109
1383144	Soil Pulp	0.5	30.3	17.3	67	<0.1	15.3	9.7	290	2.24	3.3	0.7	4.6	97	0.3	0.4	0.3	6	4.91	0.081
1383145	Soil Pulp	0.7	36.9	21.8	104	0.1	30.4	12.1	340	2.90	6.4	2.4	5.5	28	0.3	0.4	0.3	16	0.99	0.093
1383146	Soil Pulp	0.7	37.8	23.2	99	0.1	18.4	11.0	366	2.21	7.9	4.0	2.2	117	0.5	0.6	0.2	9	3.60	0.081
1383147	Soil Pulp	0.8	44.3	18.2	76	0.1	25.2	10.8	346	2.49	6.4	2.7	3.8	83	0.4	0.5	0.3	13	3.33	0.068
1383148	Soil Pulp	1.6	35.0	17.2	88	0.2	22.4	8.8	201	2.29	10.0	3.0	2.0	31	0.6	0.5	0.3	16	0.79	0.069
1383149	Soil Pulp	1.2	18.5	15.1	66	<0.1	21.5	8.7	454	2.66	11.8	1.3	0.6	14	0.2	0.7	0.2	38	0.18	0.057

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1383120	Soil Pulp	19	0.14	67	0.016	2	0.89	0.003	0.11	0.1	0.07	1.6	<0.1	<0.05	5	<0.5
1383121	Soil Pulp	22	0.25	80	0.008	2	1.32	0.003	0.13	<0.1	0.04	1.7	0.1	0.05	5	0.8
1383122	Soil Pulp	12	0.07	71	0.008	2	0.66	0.002	0.10	<0.1	0.05	1.1	<0.1	0.06	4	<0.5
1383123	Soil Pulp	11	0.12	134	0.002	2	0.71	0.003	0.13	<0.1	0.05	2.1	<0.1	<0.05	2	0.5
1383124	Soil Pulp	15	0.11	148	0.005	2	1.01	0.002	0.11	<0.1	0.04	1.2	0.1	0.05	4	0.7
1383125	Soil Pulp	23	0.37	96	0.010	2	1.46	0.003	0.08	0.1	0.06	1.4	<0.1	0.06	4	<0.5
1383126	Soil Pulp	22	0.35	94	0.008	2	1.34	0.004	0.08	<0.1	0.04	1.4	<0.1	<0.05	5	<0.5
1383127	Soil Pulp	20	0.30	148	0.011	2	1.25	0.008	0.14	<0.1	0.06	1.9	0.1	0.10	5	0.6
1383128	Soil Pulp	21	0.28	74	0.010	3	1.28	0.004	0.11	<0.1	0.04	1.7	0.1	0.05	5	0.6
1383129	Soil Pulp	20	0.20	73	0.008	2	1.21	0.002	0.09	<0.1	0.04	1.2	0.1	0.08	5	<0.5
1383130	Soil Pulp	21	0.23	60	0.008	2	1.21	0.003	0.10	<0.1	0.06	1.2	0.1	0.06	4	<0.5
1383131	Soil Pulp	20	0.19	63	0.007	4	1.02	0.003	0.09	<0.1	0.05	0.8	<0.1	0.08	4	<0.5
1383132	Soil Pulp	17	0.25	112	0.009	2	0.94	0.003	0.07	0.1	0.06	1.7	<0.1	<0.05	3	<0.5
1383133	Soil Pulp	15	0.22	156	0.005	2	0.96	0.003	0.08	0.1	0.03	1.9	<0.1	<0.05	3	0.5
1383134	Soil Pulp	15	2.76	128	0.008	3	0.82	0.006	0.04	0.1	0.28	1.8	0.1	<0.05	2	0.7
1383135	Soil Pulp	13	2.88	229	0.005	5	0.75	0.006	0.05	<0.1	0.23	1.0	<0.1	0.11	2	0.8
1383136	Soil Pulp	19	0.99	270	0.007	3	1.17	0.004	0.04	0.1	0.22	2.2	<0.1	0.09	3	0.8
1383137	Soil Pulp	12	0.21	123	0.008	3	0.76	0.005	0.06	<0.1	0.12	2.7	<0.1	<0.05	2	<0.5
1383138	Soil Pulp	20	0.56	161	0.016	3	1.08	0.008	0.06	0.1	0.22	3.1	<0.1	<0.05	3	0.8
1383139	Soil Pulp	12	0.18	86	0.004	4	0.70	0.004	0.06	<0.1	0.26	2.1	<0.1	0.09	2	1.0
1383140	Soil Pulp	12	0.21	84	0.005	5	0.69	0.004	0.07	<0.1	0.12	2.5	<0.1	0.06	2	0.6
1383141	Soil Pulp	12	0.18	86	0.004	4	0.70	0.004	0.06	<0.1	0.26	2.1	<0.1	0.09	2	1.0
1383142	Soil Pulp	15	1.96	102	0.008	3	0.84	0.007	0.05	0.1	0.10	2.2	<0.1	<0.05	2	0.7
1383143	Soil Pulp	7	2.03	63	0.003	6	0.30	0.005	0.13	<0.1	0.10	4.2	<0.1	0.23	<1	1.7
1383144	Soil Pulp	6	2.38	50	0.002	4	0.21	0.005	0.08	<0.1	0.03	3.8	<0.1	0.09	<1	1.2
1383145	Soil Pulp	20	0.97	96	0.006	4	0.91	0.004	0.09	<0.1	0.08	4.0	<0.1	<0.05	3	0.8
1383146	Soil Pulp	8	0.99	120	0.003	5	0.33	0.004	0.10	<0.1	0.08	2.5	<0.1	0.06	<1	1.1
1383147	Soil Pulp	14	1.43	97	0.004	4	0.71	0.004	0.10	<0.1	0.08	3.2	<0.1	<0.05	2	0.6
1383148	Soil Pulp	12	0.38	90	0.003	4	0.73	0.002	0.09	<0.1	0.08	2.7	<0.1	0.07	2	0.9
1383149	Soil Pulp	21	0.33	111	0.011	2	1.23	0.004	0.05	0.2	0.03	1.2	0.1	<0.05	4	0.5

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1383201	Soil Pulp	0.6	15.0	13.5	151	0.2	17.6	6.9	297	1.98	10.0	1.5	1.2	19	0.4	0.3	0.2	16	0.32	0.052
1383202	Soil Pulp	0.4	21.7	18.8	87	0.2	18.9	7.0	126	2.21	5.2	1.0	2.0	35	0.1	0.3	0.2	12	0.60	0.062
1383204	Soil Pulp	0.9	8.5	9.3	35	<0.1	9.7	4.1	245	1.82	6.8	1.4	0.2	8	0.1	0.3	0.3	37	0.09	0.047
1383205	Soil Pulp	0.7	37.5	33.4	83	<0.1	35.2	17.4	591	4.49	14.0	1.7	3.8	24	<0.1	0.4	0.4	15	0.27	0.028
1383206	Soil Pulp	0.5	30.9	19.2	104	0.3	22.4	14.3	239	2.19	4.6	1.2	2.1	37	0.2	0.2	0.4	8	0.55	0.065
1383207	Soil Pulp	0.7	26.7	19.6	75	0.1	22.2	11.2	321	2.74	8.2	1.1	1.2	46	0.1	0.5	0.3	20	0.87	0.068
1383208	Soil Pulp	0.4	39.7	27.6	93	0.2	36.1	19.3	285	3.79	10.3	1.1	4.6	24	<0.1	0.4	0.5	11	0.22	0.030
1383209	Soil Pulp	0.5	40.4	29.2	96	0.1	32.4	17.5	336	3.52	9.9	1.7	3.6	34	<0.1	0.4	0.5	12	0.51	0.049
1383210	Soil Pulp	1.4	23.3	19.9	71	0.1	17.3	9.8	491	3.50	10.3	1.5	0.4	8	0.2	0.6	0.3	37	0.05	0.089
1383211	Soil Pulp	0.8	33.2	16.7	74	0.1	26.7	10.0	237	2.96	9.9	1.5	1.4	39	0.2	0.5	0.3	21	0.65	0.100
1383212	Soil Pulp	0.3	25.2	19.7	79	<0.1	38.2	11.8	254	2.93	3.9	1.2	3.8	123	0.2	0.3	0.3	15	3.43	0.073
1383213	Soil Pulp	0.3	28.9	19.5	78	<0.1	41.5	12.9	299	2.99	2.2	0.5	4.7	138	0.2	0.3	0.4	12	3.90	0.060
1383214	Soil Pulp	0.4	29.9	21.1	90	<0.1	34.2	12.0	198	2.81	4.7	2.6	4.7	73	0.1	0.3	0.3	12	2.28	0.076
1383215	Soil Pulp	0.5	30.2	15.2	59	<0.1	29.3	13.6	341	2.93	7.2	1.3	4.5	133	0.3	0.5	0.3	14	5.86	0.085
1383216	Soil Pulp	0.7	13.2	12.3	51	<0.1	14.4	6.7	187	2.38	6.8	1.5	0.6	9	0.1	0.3	0.2	30	0.16	0.057
1383217	Soil Pulp	1.4	14.1	11.4	56	<0.1	14.1	7.7	472	2.44	10.3	1.2	0.3	23	0.2	0.4	0.2	34	0.42	0.080
1383218	Soil Pulp	1.0	23.9	13.5	68	0.2	18.3	7.2	230	2.15	14.2	8.2	1.3	66	0.5	0.4	0.2	19	1.21	0.080
1383219	Soil Pulp	0.8	16.0	14.5	82	0.2	13.3	7.1	431	1.93	11.8	1.8	0.8	125	0.4	0.4	0.2	22	1.83	0.096
1383220	Soil Pulp	1.2	15.6	10.7	89	<0.1	13.9	6.7	418	2.04	6.5	1.2	0.4	17	0.4	0.4	0.2	32	0.33	0.147
1383221	Soil Pulp	0.9	31.8	16.4	131	0.1	24.7	10.6	651	2.96	13.7	0.6	0.9	33	0.9	0.7	0.3	27	0.94	0.144
1383222	Soil Pulp	1.1	16.2	12.7	82	<0.1	13.2	7.3	526	2.51	8.7	<0.5	0.3	33	0.6	0.5	0.3	40	0.70	0.099
1383223	Soil Pulp	0.7	46.3	15.7	69	<0.1	29.3	11.8	173	3.58	13.7	<0.5	1.1	14	<0.1	0.4	0.3	5	<0.01	0.068
1383224	Soil Pulp	1.1	12.7	13.7	58	<0.1	13.9	7.2	371	2.71	9.0	<0.5	2.6	16	0.5	0.4	0.3	54	0.22	0.032
1383225	Soil Pulp	0.9	22.7	16.8	67	0.2	21.6	12.5	640	3.14	6.1	<0.5	0.7	31	<0.1	0.4	0.3	29	0.60	0.099
1383226	Soil Pulp	1.7	20.8	11.0	55	<0.1	12.7	11.2	2492	2.08	9.2	<0.5	0.1	6	0.2	0.8	0.3	48	0.02	0.057
1383227	Soil Pulp	0.9	35.1	12.6	75	<0.1	20.3	12.1	261	2.40	10.3	<0.5	0.2	8	<0.1	0.7	0.4	31	0.01	0.062
1383228	Soil Pulp	1.1	45.9	50.6	86	<0.1	28.6	17.1	1280	5.24	24.4	<0.5	1.2	7	0.3	1.2	0.3	30	0.03	0.083
1383229	Soil Pulp	0.7	46.8	25.7	94	0.2	31.7	14.3	450	3.22	42.6	1.3	1.6	31	0.3	1.6	0.3	12	0.69	0.076
1383230	Soil Pulp	0.6	22.5	11.2	50	0.1	16.5	7.4	334	2.05	10.6	0.7	1.3	36	0.1	0.4	0.3	12	0.82	0.072
1383231	Soil Pulp	1.0	24.8	14.9	80	<0.1	19.5	9.5	285	2.71	7.5	<0.5	1.8	27	0.2	0.3	0.4	10	0.36	0.059

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383201	Soil Pulp	11	0.11	400	0.004	2	0.70	0.003	0.07	<0.1	0.11	1.7	<0.1	<0.05	2	0.7	<0.2
1383202	Soil Pulp	11	0.20	78	0.003	4	0.58	0.004	0.06	<0.1	0.14	2.7	<0.1	0.07	1	1.0	<0.2
1383204	Soil Pulp	16	0.17	66	0.007	1	0.97	0.002	0.05	0.1	0.03	0.3	0.1	<0.05	5	<0.5	<0.2
1383205	Soil Pulp	16	0.36	84	0.003	3	0.87	0.003	0.07	<0.1	0.12	3.7	<0.1	<0.05	3	0.7	<0.2
1383206	Soil Pulp	7	0.12	64	0.006	4	0.40	0.006	0.07	<0.1	0.08	2.6	<0.1	0.06	1	1.1	<0.2
1383207	Soil Pulp	14	0.27	126	0.004	3	0.83	0.004	0.06	<0.1	0.10	2.1	<0.1	0.08	2	1.1	<0.2
1383208	Soil Pulp	16	0.42	62	0.002	3	1.05	0.003	0.08	<0.1	0.09	3.8	<0.1	<0.05	3	0.6	<0.2
1383209	Soil Pulp	15	0.39	70	0.001	4	0.97	0.003	0.08	<0.1	0.11	3.4	<0.1	<0.05	3	0.7	<0.2
1383210	Soil Pulp	21	0.20	94	0.007	3	1.04	0.003	0.08	<0.1	0.05	0.6	0.1	<0.05	5	<0.5	<0.2
1383211	Soil Pulp	20	0.40	162	0.005	3	1.37	0.004	0.09	<0.1	0.12	2.2	<0.1	0.09	4	1.1	<0.2
1383212	Soil Pulp	22	0.81	64	0.004	2	1.21	0.002	0.05	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
1383213	Soil Pulp	22	0.97	50	0.003	3	1.34	0.002	0.07	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
1383214	Soil Pulp	19	0.56	52	0.002	3	0.84	0.002	0.09	<0.1	0.04	4.1	<0.1	<0.05	2	<0.5	<0.2
1383215	Soil Pulp	12	0.70	60	0.003	3	0.51	0.004	0.08	<0.1	0.07	4.2	<0.1	<0.05	2	<0.5	<0.2
1383216	Soil Pulp	16	0.11	76	0.004	1	0.88	0.002	0.04	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1383217	Soil Pulp	17	0.23	111	0.005	<1	0.89	0.003	0.06	<0.1	0.03	0.7	0.1	<0.05	4	0.5	<0.2
1383218	Soil Pulp	12	0.13	77	0.002	5	0.52	0.002	0.04	<0.1	0.16	2.3	<0.1	0.08	1	0.8	<0.2
1383219	Soil Pulp	14	0.15	99	0.004	1	0.71	0.002	0.04	<0.1	0.15	1.6	<0.1	0.09	2	0.8	<0.2
1383220	Soil Pulp	19	0.24	153	0.006	2	0.99	0.004	0.08	0.1	0.04	1.2	0.1	0.10	4	0.6	<0.2
1383221	Soil Pulp	19	0.31	444	0.006	4	1.14	0.004	0.07	0.1	0.14	2.2	<0.1	0.18	4	0.9	<0.2
1383222	Soil Pulp	19	0.15	192	0.007	3	0.94	0.003	0.06	0.1	0.04	0.9	0.1	0.13	5	<0.5	<0.2
1383223	Soil Pulp	5	0.02	32	0.001	3	0.37	0.001	0.05	<0.1	0.24	1.6	<0.1	0.12	1	1.1	<0.2
1383224	Soil Pulp	21	0.26	198	0.017	2	1.27	0.003	0.05	0.2	0.02	2.0	0.1	0.07	7	<0.5	<0.2
1383225	Soil Pulp	17	0.12	154	0.003	4	1.30	0.003	0.05	0.1	0.05	1.8	0.1	0.09	4	0.5	<0.2
1383226	Soil Pulp	14	0.05	145	0.008	3	0.78	0.002	0.07	<0.1	0.04	0.4	0.2	0.07	6	0.5	<0.2
1383227	Soil Pulp	10	0.04	55	0.003	2	0.53	0.002	0.05	<0.1	0.03	0.6	<0.1	0.06	4	<0.5	<0.2
1383228	Soil Pulp	20	0.17	268	0.003	3	1.18	0.002	0.08	<0.1	0.17	2.7	<0.1	0.07	4	<0.5	<0.2
1383229	Soil Pulp	11	0.21	296	0.001	3	0.63	0.003	0.07	<0.1	0.40	3.8	<0.1	0.12	2	0.9	<0.2
1383230	Soil Pulp	9	0.17	115	0.003	4	0.64	0.003	0.06	<0.1	0.11	2.1	<0.1	0.14	2	0.7	<0.2
1383231	Soil Pulp	8	0.13	82	0.002	3	0.52	0.002	0.07	<0.1	0.06	3.0	<0.1	0.10	1	0.6	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1383243	Soil Pulp	0.7	34.0	17.9	87	0.1	27.1	9.8	429	2.74	8.2	3.2	1.9	62	0.4	0.5	0.2	16	1.33	0.089
1383244	Soil Pulp	0.6	52.2	31.9	106	<0.1	45.1	22.4	484	4.86	15.9	<0.5	2.2	27	0.2	0.3	0.5	12	0.10	0.041
1383245	Soil Pulp	0.6	44.3	19.2	102	0.1	34.1	12.0	278	2.40	5.8	0.9	2.6	50	0.4	0.5	0.3	7	1.25	0.089
1383246	Soil Pulp	0.7	51.1	29.1	98	<0.1	42.4	19.1	504	4.17	11.9	<0.5	4.5	27	<0.1	0.3	0.5	10	0.21	0.018
1383401	Soil Pulp	0.7	29.3	20.2	71	0.2	24.4	13.5	836	3.57	6.0	<0.5	2.8	33	0.1	0.3	0.4	18	0.10	0.067
1383402	Soil Pulp	1.0	16.8	16.1	72	<0.1	20.9	9.3	337	4.89	9.5	<0.5	1.7	5	0.1	0.5	0.3	54	0.03	0.043
1383403	Soil Pulp	1.2	30.9	23.3	62	<0.1	20.5	9.0	370	5.21	12.0	<0.5	2.2	6	0.1	0.7	0.4	45	0.02	0.055
1383404	Soil Pulp	1.8	18.6	17.4	53	<0.1	10.4	4.6	295	3.91	7.5	1.0	0.5	6	<0.1	0.8	0.4	56	0.02	0.062
1383405	Soil Pulp	1.8	14.4	17.8	70	<0.1	14.4	7.5	501	3.95	12.4	1.0	2.1	8	0.1	0.8	0.3	56	0.06	0.049
1383406	Soil Pulp	1.0	34.2	29.4	85	0.1	28.2	14.2	614	3.28	10.2	1.2	3.2	14	0.1	0.6	0.3	35	0.10	0.040
1383407	Soil Pulp	1.0	27.5	22.2	61	0.2	18.3	7.5	282	2.56	7.7	1.2	1.6	22	0.1	0.4	0.3	38	0.13	0.083
1383408	Soil Pulp	1.4	58.7	21.5	102	0.2	33.4	16.6	998	4.67	18.6	3.2	2.5	34	0.1	0.9	0.3	51	0.25	0.073
1383409	Soil Pulp	1.0	43.1	16.2	94	0.2	26.4	11.7	458	3.48	16.5	0.9	2.0	47	0.2	0.6	0.3	42	0.34	0.066
1383410	Soil Pulp	1.1	36.8	14.7	81	0.2	23.0	11.4	478	3.00	16.4	1.9	1.4	60	0.2	0.6	0.2	43	0.58	0.082
1383411	Soil Pulp	0.9	88.9	28.0	91	0.2	50.7	27.2	1054	4.88	41.3	1.3	4.0	33	0.3	1.6	0.3	28	1.08	0.050
1383412	Soil Pulp	0.9	34.3	20.6	67	<0.1	16.5	7.8	227	3.98	20.0	1.5	2.3	7	<0.1	0.6	0.4	25	0.01	0.026
1383413	Soil Pulp	1.1	25.1	18.0	53	<0.1	13.1	7.5	471	3.57	9.1	0.7	2.6	8	<0.1	0.4	0.4	36	0.02	0.057
1383414	Soil Pulp	1.1	22.0	16.1	39	<0.1	9.6	4.6	256	3.64	9.7	1.2	1.7	7	<0.1	0.3	0.5	35	0.01	0.056
1383415	Soil Pulp	0.9	18.6	20.9	62	<0.1	19.1	11.4	434	4.79	13.5	0.5	3.7	7	0.2	0.4	0.4	32	0.02	0.034
1383416	Soil Pulp	1.6	16.0	15.1	64	<0.1	17.1	7.8	365	3.42	12.2	0.8	1.7	9	0.1	0.7	0.3	47	0.08	0.052
1383417	Soil Pulp	1.3	29.5	23.5	82	0.1	25.3	13.0	558	3.40	13.2	1.2	1.7	16	0.2	0.6	0.3	40	0.21	0.060
1383418	Soil Pulp	1.2	17.5	18.6	55	<0.1	13.2	6.6	285	4.94	13.0	<0.5	2.8	7	0.1	0.6	0.4	44	0.02	0.049
1383419	Soil Pulp	1.2	22.5	24.3	64	<0.1	18.5	8.9	409	4.71	13.8	<0.5	3.2	8	0.1	0.4	0.5	39	0.02	0.052
1383420	Soil Pulp	1.0	33.3	26.8	134	<0.1	27.9	11.6	566	3.67	13.3	1.2	3.3	34	0.2	0.4	0.5	29	0.30	0.105
1383421	Soil Pulp	1.3	22.0	19.8	73	<0.1	16.7	11.2	668	3.64	11.8	0.8	2.9	8	0.2	0.6	0.4	38	0.03	0.047
1383422	Soil Pulp	1.2	26.9	25.5	85	0.1	23.9	10.5	331	4.21	12.5	1.1	3.7	7	0.3	0.8	0.5	36	0.02	0.035
1383423	Soil Pulp	0.9	29.8	36.9	73	<0.1	21.4	15.2	711	5.59	19.0	0.9	4.7	7	0.2	0.6	0.6	30	0.02	0.049
1383424	Soil Pulp	1.1	18.0	20.4	53	0.1	12.5	6.5	347	3.54	11.3	1.2	1.1	8	<0.1	0.5	0.4	33	0.02	0.070
1383425	Soil Pulp	0.8	44.8	28.0	96	0.3	30.6	12.7	495	3.49	9.4	4.3	4.0	60	<0.1	0.4	0.6	24	0.43	0.046
1383426	Soil Pulp	0.8	35.7	17.7	108	0.2	28.2	10.6	338	3.14	6.2	1.3	2.5	58	0.2	0.4	0.5	23	0.59	0.076

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383243	Soil Pulp	15	0.27	116	0.005	4	0.76	0.003	0.08	<0.1	0.09	2.9	<0.1	0.10	2	0.8	<0.2
1383244	Soil Pulp	14	0.08	41	0.002	2	0.60	0.002	0.07	<0.1	0.03	3.2	<0.1	<0.05	2	<0.5	<0.2
1383245	Soil Pulp	12	0.11	109	0.001	5	0.53	0.002	0.09	<0.1	0.14	3.3	<0.1	0.12	1	0.9	<0.2
1383246	Soil Pulp	14	0.08	88	<0.001	2	0.45	0.002	0.06	<0.1	0.07	3.8	<0.1	<0.05	1	<0.5	<0.2
1383401	Soil Pulp	25	0.37	94	0.003	2	1.61	0.003	0.12	<0.1	0.04	2.6	<0.1	0.06	6	<0.5	<0.2
1383402	Soil Pulp	34	0.45	77	0.017	3	2.05	0.003	0.09	0.1	0.04	2.5	0.1	<0.05	10	0.8	<0.2
1383403	Soil Pulp	32	0.26	86	0.007	3	1.75	0.003	0.06	0.1	0.05	2.4	<0.1	0.07	7	0.6	<0.2
1383404	Soil Pulp	20	0.08	57	0.018	<1	0.89	0.002	0.06	0.1	0.04	0.9	0.1	0.06	8	0.5	<0.2
1383405	Soil Pulp	29	0.31	76	0.025	2	1.55	0.003	0.05	0.2	0.04	2.0	0.1	<0.05	7	<0.5	<0.2
1383406	Soil Pulp	30	0.51	105	0.022	2	1.42	0.005	0.07	0.2	0.04	3.4	<0.1	<0.05	5	0.6	<0.2
1383407	Soil Pulp	26	0.37	140	0.008	2	1.59	0.005	0.07	0.1	0.05	3.1	0.1	0.09	6	<0.5	<0.2
1383408	Soil Pulp	34	0.49	170	0.009	3	1.63	0.006	0.09	0.1	0.10	6.4	0.1	0.08	5	0.7	<0.2
1383409	Soil Pulp	28	0.42	159	0.007	2	1.46	0.005	0.09	0.1	0.10	5.2	0.1	0.07	5	0.6	<0.2
1383410	Soil Pulp	25	0.32	190	0.008	2	1.34	0.005	0.07	0.1	0.10	3.8	0.1	0.07	5	<0.5	<0.2
1383411	Soil Pulp	19	0.32	116	0.004	4	0.87	0.004	0.09	<0.1	0.32	7.6	<0.1	<0.05	3	0.7	<0.2
1383412	Soil Pulp	12	0.10	35	0.005	2	0.68	0.002	0.06	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1383413	Soil Pulp	24	0.22	53	0.006	1	1.43	0.004	0.06	<0.1	0.04	2.4	0.1	<0.05	8	0.5	<0.2
1383414	Soil Pulp	21	0.14	40	0.004	<1	1.16	0.003	0.05	<0.1	0.03	1.7	<0.1	<0.05	9	<0.5	<0.2
1383415	Soil Pulp	25	0.28	50	0.004	2	1.67	0.003	0.05	<0.1	0.03	2.4	<0.1	<0.05	8	<0.5	<0.2
1383416	Soil Pulp	30	0.40	75	0.024	2	1.62	0.004	0.05	0.2	0.04	2.1	0.1	<0.05	6	0.5	<0.2
1383417	Soil Pulp	29	0.48	106	0.010	2	1.77	0.004	0.07	0.1	0.06	2.4	0.1	<0.05	6	<0.5	<0.2
1383418	Soil Pulp	25	0.17	48	0.007	2	1.24	0.003	0.05	0.1	0.03	2.0	0.1	<0.05	8	<0.5	<0.2
1383419	Soil Pulp	28	0.29	41	0.010	2	1.62	0.003	0.05	<0.1	0.03	2.5	0.1	<0.05	9	0.7	<0.2
1383420	Soil Pulp	30	0.51	160	0.004	2	1.98	0.007	0.08	<0.1	0.04	3.7	<0.1	0.06	6	<0.5	<0.2
1383421	Soil Pulp	26	0.24	57	0.006	1	1.56	0.003	0.06	0.1	0.04	2.3	0.1	<0.05	7	0.8	<0.2
1383422	Soil Pulp	24	0.31	70	0.003	2	1.73	0.003	0.04	0.1	0.04	2.5	0.1	<0.05	6	0.7	<0.2
1383423	Soil Pulp	32	0.35	43	0.004	2	1.69	0.003	0.05	<0.1	0.04	2.6	<0.1	<0.05	7	0.7	<0.2
1383424	Soil Pulp	19	0.20	51	0.004	2	1.18	0.003	0.04	<0.1	0.04	1.4	<0.1	<0.05	6	<0.5	<0.2
1383425	Soil Pulp	27	0.49	185	0.002	3	1.67	0.006	0.09	<0.1	0.10	5.5	<0.1	<0.05	5	0.7	<0.2
1383426	Soil Pulp	25	0.47	261	0.002	2	1.69	0.008	0.07	<0.1	0.08	3.8	<0.1	0.05	5	<0.5	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383427	Soil Pulp	1.0	44.7	24.7	101	<0.1	28.4	11.8	334	3.63	18.3	1.0	3.3	15	0.2	0.9	0.5	21	0.09	0.039	7
1383428	Soil Pulp	1.0	42.5	23.5	101	0.2	34.5	16.0	709	3.50	16.2	2.0	3.5	25	0.4	0.9	0.4	30	0.33	0.065	10
1383429	Soil Pulp	0.9	54.8	19.1	48	0.1	17.1	10.2	836	3.40	5.2	1.4	1.5	34	0.2	0.3	0.5	27	0.19	0.097	7
1383430	Soil Pulp	0.8	10.9	11.0	34	<0.1	7.7	4.2	229	1.69	5.2	3.3	1.2	9	0.1	0.3	0.3	38	0.04	0.042	9
1383431	Soil Pulp	1.1	14.6	24.8	86	<0.1	13.9	7.4	363	2.81	8.9	0.6	2.2	14	0.2	0.5	0.4	42	0.07	0.042	11
1383432	Soil Pulp	0.8	15.5	21.9	64	<0.1	15.4	6.2	249	2.88	7.6	<0.5	3.1	8	<0.1	0.4	0.3	31	0.04	0.039	8
1383433	Soil Pulp	1.3	18.0	18.0	71	<0.1	16.7	7.2	322	3.36	13.1	0.7	2.6	7	0.1	0.8	0.3	46	0.04	0.042	9
1383453	Soil Pulp	4.2	155.9	38.8	121	0.3	64.4	40.0	985	7.24	39.2	4.0	2.5	12	0.4	4.1	0.5	38	0.41	0.070	6
1383454	Soil Pulp	1.4	145.7	33.3	78	0.4	43.5	24.8	1106	5.50	17.7	3.5	1.6	28	0.5	2.9	0.4	31	0.97	0.072	7
1383455	Soil Pulp	1.6	92.7	20.5	104	0.1	35.3	19.0	462	4.60	13.1	4.1	1.9	13	0.4	1.3	0.4	33	0.38	0.062	4
1383456	Soil Pulp	0.7	73.7	9.3	73	<0.1	34.6	17.0	589	5.05	34.4	0.5	1.2	8	0.2	1.4	0.2	103	0.12	0.061	5
1383457	Soil Pulp	1.3	115.8	24.2	75	0.2	50.6	23.4	741	5.14	61.8	2.3	1.5	17	0.2	4.3	0.3	32	0.72	0.061	4
1383458	Soil Pulp	1.1	103.6	17.6	74	0.1	41.9	23.6	667	4.80	28.8	1.3	1.4	14	0.2	2.0	0.3	32	0.34	0.070	4
1383459	Soil Pulp	0.8	100.0	15.6	91	<0.1	41.1	21.3	603	4.61	27.5	2.7	1.9	10	0.3	1.6	0.3	33	0.24	0.054	6
1383460	Soil Pulp	2.2	95.0	43.0	44	0.7	66.7	28.0	695	6.14	54.4	4.9	1.9	14	0.2	9.8	0.4	21	0.70	0.047	2
1383461	Soil Pulp	1.4	60.3	25.0	79	0.2	34.2	17.9	731	4.01	31.9	1.9	1.3	17	0.3	3.1	0.3	40	0.79	0.073	4
1383462	Soil Pulp	1.1	77.0	27.8	42	0.3	38.6	17.7	414	3.21	30.2	4.3	0.9	29	0.2	5.5	0.3	24	1.83	0.069	4
1383463	Soil Pulp	1.6	105.0	33.9	56	0.2	48.5	27.8	1101	6.92	35.1	2.5	2.2	8	0.2	5.0	0.4	28	0.35	0.043	3
1383464	Soil Pulp	1.5	161.6	25.8	69	<0.1	63.8	34.7	727	7.35	43.5	3.4	2.0	7	0.2	4.7	0.4	31	0.10	0.043	3
1383465	Soil Pulp	0.8	80.3	12.4	84	<0.1	35.9	20.6	606	5.23	14.6	2.6	2.4	7	0.3	1.1	0.3	49	0.04	0.047	6
1383466	Soil Pulp	1.3	95.9	38.7	51	0.3	50.0	26.4	958	6.34	41.1	4.3	2.0	12	0.4	6.7	0.4	27	0.37	0.057	4
1383467	Soil Pulp	1.8	105.8	39.1	73	0.1	30.9	35.8	1288	4.32	17.3	1.9	1.5	25	0.4	1.2	0.4	31	0.73	0.101	4
1383468	Soil Pulp	0.8	115.1	24.5	113	<0.1	36.6	32.8	931	8.20	4.9	2.2	1.9	7	0.6	0.5	0.4	123	0.04	0.072	5
1383469	Soil Pulp	1.2	69.6	21.3	70	0.2	29.0	14.8	492	3.69	23.3	2.5	1.5	26	0.3	2.4	0.3	27	0.83	0.065	5
1383470	Soil Pulp	1.7	82.7	33.1	61	0.3	40.2	19.7	523	4.42	46.0	2.8	2.4	38	0.2	4.5	0.4	26	0.91	0.056	7
1383471	Soil Pulp	1.2	106.4	20.0	70	<0.1	37.2	18.1	603	5.35	23.0	4.3	2.2	17	0.4	2.9	0.3	33	0.36	0.044	5
1383472	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383473	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383474	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383475	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383476	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383477	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383478	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383479	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383480	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383481	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383482	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383483	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383484	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383485	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383486	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383487	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383488	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383489	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383490	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383491	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383492	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383493	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383494	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383495	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383496	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383497	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
1383498	Soil Pulp	1.0	53.5	26.3	122	0.1	26.0	11.3	794	2.85	12.5	4.4	1.2	94	0.4	0.6	0.3	14	1.65	0.067	12
1383499	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	2										



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383427	Soil Pulp	16	0.30	101	0.003	2	0.92	0.003	0.05	<0.1	0.09	4.5	<0.1	<0.05	3	<0.5	<0.2
1383428	Soil Pulp	21	0.46	147	0.008	3	1.11	0.006	0.08	0.1	0.12	4.2	<0.1	<0.05	4	1.3	<0.2
1383429	Soil Pulp	24	0.28	214	0.005	2	1.18	0.004	0.05	<0.1	0.05	2.8	<0.1	<0.05	5	<0.5	<0.2
1383430	Soil Pulp	17	0.16	54	0.008	2	0.81	0.003	0.05	0.1	0.02	1.3	<0.1	<0.05	5	0.9	<0.2
1383431	Soil Pulp	22	0.31	87	0.010	2	1.19	0.005	0.07	0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
1383432	Soil Pulp	23	0.31	61	0.005	2	1.26	0.004	0.05	0.1	0.05	2.1	<0.1	<0.05	5	<0.5	<0.2
1383433	Soil Pulp	25	0.33	76	0.010	1	1.41	0.004	0.05	0.2	0.04	2.0	0.1	<0.05	5	<0.5	<0.2
1383453	Soil Pulp	21	0.52	111	0.002	3	1.20	0.002	0.06	<0.1	0.33	7.7	0.1	<0.05	4	1.4	<0.2
1383454	Soil Pulp	23	0.75	153	0.002	3	1.67	0.003	0.06	<0.1	0.31	11.1	0.1	0.05	4	1.6	<0.2
1383455	Soil Pulp	23	0.65	93	0.002	2	1.52	0.003	0.06	<0.1	0.16	8.3	<0.1	<0.05	4	0.6	<0.2
1383456	Soil Pulp	46	0.38	126	0.003	2	1.19	0.004	0.06	<0.1	0.08	5.8	<0.1	<0.05	6	<0.5	<0.2
1383457	Soil Pulp	16	0.15	112	0.001	3	0.59	0.004	0.07	<0.1	0.28	8.4	<0.1	<0.05	2	0.9	<0.2
1383458	Soil Pulp	17	0.16	121	0.001	2	0.88	0.003	0.06	<0.1	0.16	8.0	<0.1	<0.05	2	0.7	<0.2
1383459	Soil Pulp	18	0.26	129	0.002	2	0.81	0.004	0.06	<0.1	0.18	8.3	<0.1	<0.05	3	<0.5	<0.2
1383460	Soil Pulp	10	0.28	56	<0.001	3	0.49	0.002	0.05	<0.1	0.47	10.3	0.1	0.05	1	1.1	<0.2
1383461	Soil Pulp	20	0.25	117	0.004	2	0.82	0.004	0.08	<0.1	0.21	5.9	<0.1	<0.05	3	<0.5	<0.2
1383462	Soil Pulp	13	0.32	84	0.002	4	0.55	0.004	0.06	<0.1	0.55	5.8	<0.1	0.10	1	0.7	<0.2
1383463	Soil Pulp	12	0.19	74	0.001	1	0.66	0.002	0.07	<0.1	0.39	9.7	<0.1	<0.05	2	1.2	<0.2
1383464	Soil Pulp	12	0.11	88	0.002	2	0.62	0.003	0.05	<0.1	0.23	12.5	<0.1	<0.05	2	0.6	0.3
1383465	Soil Pulp	29	0.62	153	0.003	3	1.66	0.003	0.06	<0.1	0.06	6.1	<0.1	<0.05	5	<0.5	<0.2
1383466	Soil Pulp	14	0.21	132	0.003	3	0.78	0.003	0.05	<0.1	0.40	10.4	<0.1	<0.05	2	0.7	<0.2
1383467	Soil Pulp	18	0.50	550	0.002	3	1.33	0.003	0.08	<0.1	0.12	6.3	<0.1	0.09	4	0.8	<0.2
1383468	Soil Pulp	45	1.34	117	0.004	1	3.15	0.003	0.06	<0.1	0.07	6.2	0.1	<0.05	12	0.8	0.3
1383469	Soil Pulp	14	0.23	293	0.005	2	0.75	0.004	0.05	<0.1	0.19	5.0	<0.1	<0.05	2	0.5	<0.2
1383470	Soil Pulp	14	0.24	303	0.002	3	0.85	0.004	0.07	<0.1	0.42	6.8	<0.1	<0.05	2	1.6	<0.2
1383471	Soil Pulp	16	0.26	408	0.004	2	0.86	0.003	0.07	<0.1	0.15	7.0	<0.1	<0.05	3	0.9	<0.2
1383472	Soil Pulp	11	0.15	114	0.001	3	0.47	0.002	0.07	<0.1	0.06	2.3	<0.1	0.07	1	1.4	<0.2
1383473	Soil Pulp	11	0.74	94	0.002	3	0.42	0.003	0.09	<0.1	0.09	4.8	0.1	<0.05	1	1.6	<0.2

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			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
			MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1384628	Soil Pulp	0.9	22.2	22.2	22	<0.1	22.2	11.2	112	3.11	12.2	2.1	2.2	12	0.1	0.1	0.1	12	0.11	0.022	12	
1384629	Soil Pulp	0.9	22.2	22.2	22	<0.1	22.2	11.2	112	3.11	12.2	2.1	2.2	12	0.1	0.1	0.1	12	0.11	0.022	12	
1384630	Soil Pulp	0.9	22.2	22.2	22	<0.1	22.2	11.2	112	3.11	12.2	2.1	2.2	12	0.1	0.1	0.1	12	0.11	0.022	12	
1384631	Soil Pulp	0.8	40.6	29.9	101	<0.1	29.8	13.3	488	3.74	11.9	0.8	5.6	14	0.1	0.6	0.4	28	0.13	0.056	11	
1384632	Soil Pulp	1.2	24.7	19.1	47	<0.1	12.6	7.6	533	4.24	8.4	1.3	2.8	10	<0.1	0.4	0.7	36	0.07	0.060	7	

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	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1384630	Soil Pulp	29	0.39	168	0.002	2	1.84	0.009	0.09	<0.1	0.06	5.0	0.1	<0.05	6	0.7	<0.2	
1384631	Soil Pulp	25	0.48	76	0.006	2	1.49	0.004	0.06	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2	
1384632	Soil Pulp	20	0.23	87	0.003	<1	1.28	0.004	0.07	<0.1	0.02	2.0	0.1	<0.05	8	<0.5	<0.2	

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1384633	Soil Pulp	1.2	47.9	28.0	109	<0.1	33.1	20.8	1164	4.26	11.2	1.3	4.2	20	0.2	0.6	0.6	31	0.16	0.066
1384634	Soil Pulp	0.6	62.4	34.4	103	0.1	35.5	19.6	661	3.99	15.0	2.0	5.4	29	0.1	0.6	0.5	24	0.23	0.042
1384635	Soil Pulp	0.4	19.6	15.2	49	<0.1	8.8	5.9	265	1.78	2.6	1.7	1.9	11	<0.1	0.3	0.3	18	0.03	0.052
1384636	Soil Pulp	0.4	28.0	9.6	58	<0.1	6.6	4.9	266	1.75	2.6	0.6	2.1	10	<0.1	0.3	0.3	23	<0.01	0.027
1384637	Soil Pulp	0.6	27.5	30.2	102	<0.1	18.0	14.0	392	3.55	5.2	0.6	4.3	14	<0.1	0.9	0.4	15	<0.01	0.045
1384638	Soil Pulp	0.5	24.4	13.3	61	<0.1	9.7	7.1	298	2.40	3.9	1.1	2.1	12	<0.1	0.5	0.4	24	0.01	0.040
1384639	Soil Pulp	0.5	14.8	14.2	43	0.1	7.1	5.8	493	1.52	3.6	<0.5	0.6	8	<0.1	0.3	0.2	18	0.01	0.063
1384640	Soil Pulp	0.7	24.0	24.6	78	0.1	11.8	6.4	267	3.45	8.8	2.0	2.3	13	<0.1	0.4	0.6	17	<0.01	0.074
1384641	Soil Pulp	0.7	30.3	18.6	74	<0.1	10.7	10.9	631	2.50	6.8	2.1	0.7	11	<0.1	0.5	0.5	20	0.01	0.082
1384642	Soil Pulp	0.5	143.5	9.1	25	0.1	56.6	40.4	1354	5.68	145.4	5.2	1.0	29	<0.1	2.8	0.2	95	2.68	0.038
1384643	Soil Pulp	1.1	66.4	12.5	90	<0.1	28.6	18.3	586	4.90	24.6	1.8	0.5	6	0.3	0.8	0.3	70	0.04	0.069
1384644	Soil Pulp	1.2	45.5	13.4	69	<0.1	21.0	14.0	792	5.28	15.0	2.0	0.7	6	0.1	0.8	0.3	99	0.05	0.070
1384645	Soil Pulp	1.4	65.5	10.8	56	<0.1	26.2	14.0	412	3.83	26.1	2.6	0.3	8	0.1	1.0	0.3	53	0.09	0.082
1384646	Soil Pulp	1.5	22.5	7.3	46	<0.1	11.9	5.6	272	2.39	8.8	2.0	0.4	7	0.1	0.7	0.3	60	0.06	0.057
1384647	Soil Pulp	1.0	58.0	12.6	62	<0.1	23.9	18.0	902	4.83	16.6	2.2	0.5	7	0.2	0.7	0.3	79	0.09	0.087
1384648	Soil Pulp	1.0	51.2	16.0	68	0.2	18.7	18.7	1061	5.09	6.8	2.1	0.7	9	0.3	0.4	0.3	89	0.13	0.095
1384649	Soil Pulp	1.1	65.7	9.9	59	<0.1	20.9	13.5	684	5.04	15.6	2.1	0.6	5	0.1	0.7	0.3	100	0.03	0.078



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CERTIFICATE OF ANALYSIS

VAN11004462.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1384633	Soil Pulp	29	0.57	139	0.008	2	1.82	0.006	0.09	<0.1	0.04	3.1	<0.1	<0.05	6	0.6
1384634	Soil Pulp	26	0.53	132	0.003	1	1.55	0.005	0.07	<0.1	0.09	4.5	<0.1	<0.05	6	<0.5
1384635	Soil Pulp	9	0.07	66	0.002	2	0.91	0.004	0.10	<0.1	0.03	1.3	0.1	<0.05	5	<0.5
1384636	Soil Pulp	7	0.04	44	0.003	2	0.66	0.004	0.10	<0.1	<0.01	1.5	0.1	<0.05	4	<0.5
1384637	Soil Pulp	10	0.18	44	<0.001	<1	1.14	0.003	0.07	<0.1	0.01	1.7	0.1	<0.05	5	<0.5
1384638	Soil Pulp	10	0.07	65	0.005	1	0.76	0.004	0.11	<0.1	0.02	1.9	0.1	<0.05	4	<0.5
1384639	Soil Pulp	8	0.04	50	0.002	2	0.63	0.006	0.07	<0.1	0.03	0.8	0.2	<0.05	4	<0.5
1384640	Soil Pulp	8	0.06	45	0.002	2	0.77	0.003	0.08	<0.1	0.01	1.5	0.1	<0.05	4	<0.5
1384641	Soil Pulp	8	0.04	68	0.002	2	0.67	0.003	0.09	<0.1	0.02	0.8	0.1	<0.05	4	<0.5
1384642	Soil Pulp	35	0.26	234	0.001	3	0.48	0.002	0.09	<0.1	1.50	14.1	0.2	<0.05	2	<0.5
1384643	Soil Pulp	33	0.37	75	0.011	2	1.42	0.003	0.06	0.1	0.03	2.7	0.1	<0.05	6	<0.5
1384644	Soil Pulp	35	0.34	88	0.024	2	1.36	0.003	0.07	0.2	0.04	3.0	0.1	<0.05	7	<0.5
1384645	Soil Pulp	23	0.38	80	0.008	2	1.29	0.003	0.05	0.1	0.05	2.0	0.1	<0.05	5	<0.5
1384646	Soil Pulp	23	0.22	64	0.024	1	1.14	0.005	0.05	0.2	0.03	1.5	0.1	<0.05	6	<0.5
1384647	Soil Pulp	33	0.38	91	0.020	1	1.37	0.003	0.08	<0.1	0.04	2.8	<0.1	<0.05	6	<0.5
1384648	Soil Pulp	30	0.55	196	0.013	1	1.79	0.003	0.06	<0.1	0.07	3.2	0.1	<0.05	8	<0.5
1384649	Soil Pulp	35	0.32	52	0.034	1	1.49	0.003	0.06	0.1	0.04	3.4	<0.1	<0.05	7	<0.5



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1383042	Soil Pulp	0.9	31.6	22.6	67	0.1	20.3	22.1	1049	2.95	21.4	1.0	0.4	8	0.3	0.7	0.3	24	0.09	0.097	7
REP 1383042	QC	0.8	31.3	22.9	66	<0.1	21.7	22.8	1075	3.02	21.9	1.2	0.5	8	0.3	0.8	0.3	25	0.09	0.097	7
1383072	Soil Pulp	1.3	193.2	14.7	91	0.2	65.0	45.2	1414	7.66	50.9	3.9	1.4	11	0.7	1.0	0.1	107	0.44	0.104	12
REP 1383072	QC	1.3	195.0	14.6	93	0.2	66.5	44.0	1485	7.52	51.0	4.4	1.4	12	0.7	1.2	0.1	111	0.45	0.105	12
1383107	Soil Pulp	1.5	24.4	18.2	81	<0.1	26.0	8.6	301	3.19	11.4	1.9	1.6	12	0.2	0.9	0.3	41	0.09	0.049	12
REP 1383107	QC	1.5	23.5	18.1	81	<0.1	25.5	8.7	297	3.24	11.7	1.0	1.5	12	0.2	0.8	0.3	43	0.10	0.048	12
1383126	Soil Pulp	1.0	22.8	17.8	63	0.1	20.9	10.8	643	3.24	7.0	1.1	1.2	18	0.2	0.5	0.4	29	0.21	0.072	7
REP 1383126	QC	0.9	22.1	17.8	64	0.1	21.8	10.8	625	3.20	6.6	0.5	1.2	18	0.2	0.5	0.4	30	0.20	0.073	7
1383135	Soil Pulp	0.8	16.1	14.5	93	0.1	14.7	8.1	1366	2.52	12.7	1.6	0.4	22	0.4	0.9	0.2	21	5.01	0.126	14
REP 1383135	QC	0.8	15.2	14.4	92	0.1	14.5	7.8	1306	2.41	12.3	1.7	0.3	21	0.3	0.9	0.2	20	4.92	0.124	13
1383216	Soil Pulp	0.7	13.2	12.3	51	<0.1	14.4	6.7	187	2.38	6.8	1.5	0.6	9	0.1	0.3	0.2	30	0.16	0.057	5
REP 1383216	QC	0.7	12.8	11.7	48	<0.1	13.5	6.3	182	2.33	6.7	<0.5	0.6	9	0.2	0.3	0.2	29	0.14	0.055	5
1383226	Soil Pulp	1.7	20.8	11.0	55	<0.1	12.7	11.2	2492	2.08	9.2	<0.5	0.1	6	0.2	0.8	0.3	48	0.02	0.057	9
REP 1383226	QC	1.8	20.0	11.1	54	<0.1	12.7	10.8	2415	1.99	8.9	<0.5	0.1	6	0.1	0.7	0.3	45	0.02	0.056	8
1383416	Soil Pulp	1.6	16.0	15.1	64	<0.1	17.1	7.8	365	3.42	12.2	0.8	1.7	9	0.1	0.7	0.3	47	0.08	0.052	10
REP 1383416	QC	1.6	16.0	15.4	65	<0.1	17.9	8.1	365	3.52	11.7	1.4	1.9	9	0.1	0.7	0.3	47	0.08	0.051	11
1383433	Soil Pulp	1.3	18.0	18.0	71	<0.1	16.7	7.2	322	3.36	13.1	0.7	2.6	7	0.1	0.8	0.3	46	0.04	0.042	9
REP 1383433	QC	1.3	18.5	18.7	71	<0.1	16.7	7.4	321	3.40	13.4	1.2	2.8	8	0.1	0.7	0.3	47	0.04	0.041	10
1383473	Soil Pulp	10.0	53.7	27.7	115	0.4	34.6	14.6	362	3.10	23.0	3.9	2.7	49	0.8	1.2	0.4	21	1.59	0.095	12
REP 1383473	QC	9.6	51.7	27.3	113	0.4	34.2	14.0	354	3.00	22.9	3.9	2.8	54	0.9	1.2	0.4	22	1.55	0.093	13
1384612	Soil Pulp	0.7	47.9	32.7	91	<0.1	21.2	13.8	1002	4.76	8.4	1.3	2.7	16	<0.1	0.4	0.6	13	<0.01	0.076	6
REP 1384612	QC	0.6	45.7	31.6	84	<0.1	20.6	13.1	962	4.52	8.4	1.7	2.6	15	<0.1	0.4	0.5	12	<0.01	0.073	6
1384625	Soil Pulp	1.1	39.4	31.8	115	0.3	27.9	13.0	921	3.79	10.5	2.2	3.5	44	0.2	0.5	0.6	32	0.34	0.088	12
REP 1384625	QC	1.1	39.7	31.3	114	0.3	27.6	13.2	904	3.69	10.9	2.8	3.4	43	0.2	0.5	0.6	32	0.33	0.088	13
Reference Materials																					
STD DS8	Standard	12.6	106.4	124.1	300	1.9	38.2	7.4	612	2.46	24.7	123.7	6.7	71	2.3	6.0	6.9	41	0.68	0.071	14
STD DS8	Standard	12.2	94.2	112.9	278	1.6	34.6	6.9	550	2.27	21.8	110.8	6.0	59	2.0	4.9	6.2	39	0.64	0.072	13
STD DS8	Standard	13.9	114.3	116.8	310	1.7	38.6	7.7	626	2.48	26.5	108.6	6.3	61	2.5	5.2	6.3	41	0.71	0.082	15

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1383042	Soil Pulp	13	0.17	139	0.004	3	0.84	0.002	0.06	<0.1	0.07	1.5	<0.1	<0.05	3	0.7	<0.2
REP 1383042	QC	14	0.17	143	0.007	3	0.85	0.003	0.07	0.1	0.07	1.9	<0.1	<0.05	3	1.0	<0.2
1383072	Soil Pulp	55	0.79	215	0.005	3	1.54	0.003	0.08	<0.1	0.10	15.1	<0.1	0.07	6	<0.5	<0.2
REP 1383072	QC	57	0.76	214	0.004	4	1.53	0.003	0.08	<0.1	0.11	14.9	<0.1	0.06	6	0.8	<0.2
1383107	Soil Pulp	26	0.44	140	0.020	2	1.43	0.005	0.06	0.2	0.05	2.2	0.1	<0.05	5	0.7	<0.2
REP 1383107	QC	28	0.44	150	0.020	2	1.43	0.005	0.06	0.2	0.05	2.2	<0.1	<0.05	5	0.7	<0.2
1383126	Soil Pulp	22	0.35	94	0.008	2	1.34	0.004	0.08	<0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
REP 1383126	QC	22	0.38	94	0.007	2	1.37	0.003	0.08	0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
1383135	Soil Pulp	13	2.88	229	0.005	5	0.75	0.006	0.05	<0.1	0.23	1.0	<0.1	0.11	2	0.8	<0.2
REP 1383135	QC	13	2.76	220	0.004	5	0.72	0.005	0.05	<0.1	0.23	1.0	<0.1	0.10	2	0.8	<0.2
1383216	Soil Pulp	16	0.11	76	0.004	1	0.88	0.002	0.04	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1383216	QC	15	0.10	75	0.004	1	0.85	0.002	0.04	0.1	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1383226	Soil Pulp	14	0.05	145	0.008	3	0.78	0.002	0.07	<0.1	0.04	0.4	0.2	0.07	6	0.5	<0.2
REP 1383226	QC	14	0.05	143	0.006	2	0.74	0.002	0.06	<0.1	0.04	0.4	0.2	0.06	5	<0.5	<0.2
1383416	Soil Pulp	30	0.40	75	0.024	2	1.62	0.004	0.05	0.2	0.04	2.1	0.1	<0.05	6	0.5	<0.2
REP 1383416	QC	30	0.41	74	0.025	1	1.62	0.004	0.05	0.2	0.04	2.0	0.1	<0.05	6	0.6	<0.2
1383433	Soil Pulp	25	0.33	76	0.010	1	1.41	0.004	0.05	0.2	0.04	2.0	0.1	<0.05	5	<0.5	<0.2
REP 1383433	QC	26	0.33	81	0.011	2	1.43	0.004	0.06	0.2	0.04	2.1	0.1	<0.05	6	1.0	<0.2
1383473	Soil Pulp	11	0.74	94	0.002	3	0.42	0.003	0.09	<0.1	0.09	4.8	0.1	<0.05	1	1.6	<0.2
REP 1383473	QC	11	0.71	102	0.002	4	0.44	0.003	0.10	<0.1	0.09	4.7	0.1	<0.05	1	1.7	<0.2
1384612	Soil Pulp	11	0.17	58	<0.001	2	1.00	0.003	0.09	<0.1	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
REP 1384612	QC	11	0.16	56	0.002	<1	0.95	0.003	0.09	<0.1	0.02	2.3	0.1	<0.05	3	0.5	<0.2
1384625	Soil Pulp	28	0.48	290	0.003	2	2.00	0.010	0.11	<0.1	0.08	5.4	0.1	<0.05	6	0.8	<0.2
REP 1384625	QC	28	0.49	295	0.006	3	1.99	0.011	0.12	0.1	0.08	5.7	0.1	0.06	6	1.0	<0.2
Reference Materials																	
STD DS8	Standard	113	0.59	274	0.108	3	0.90	0.118	0.42	2.8	0.20	3.0	5.4	0.16	5	6.3	5.3
STD DS8	Standard	108	0.56	270	0.097	3	0.87	0.102	0.41	3.1	0.19	2.4	5.1	0.14	4	4.8	4.6
STD DS8	Standard	122	0.61	284	0.116	3	0.94	0.096	0.41	3.1	0.20	2.2	5.3	0.20	5	5.4	4.8

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Report Date: September 24, 2011

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	14.2	110.2	128.2	320	1.8	38.8	7.6	644	2.52	24.5	114.9	7.0	68	2.2	5.7	6.2	45	0.73	0.083	17
STD DS8	Standard	12.7	107.2	122.7	307	1.7	35.8	7.1	592	2.38	25.2	122.3	6.6	67	2.3	5.9	7.0	41	0.65	0.078	14
STD DS8	Standard	13.6	108.2	122.7	312	1.8	36.6	7.4	619	2.46	25.6	110.2	7.3	74	2.4	6.2	7.0	42	0.71	0.080	17
STD DS8	Standard	14.2	115.6	119.3	308	1.8	38.4	7.5	635	2.55	26.6	116.4	6.2	61	2.6	5.2	6.2	46	0.71	0.077	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: September 24, 2011

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QUALITY CONTROL REPORT

VAN11004462.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	122	0.64	295	0.125	2	0.99	0.100	0.43	3.2	0.20	2.1	5.6	0.17	5	5.3	4.9
STD DS8	Standard	111	0.59	266	0.111	3	0.88	0.093	0.39	3.1	0.20	2.1	5.1	0.16	4	5.3	4.9
STD DS8	Standard	115	0.61	289	0.126	2	0.96	0.100	0.42	3.0	0.20	2.5	5.3	0.17	5	5.1	4.9
STD DS8	Standard	129	0.63	273	0.109	2	0.95	0.096	0.40	3.2	0.21	2.3	5.6	0.16	5	5.5	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: September 03, 2011
Report Date: September 24, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN11004463.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number HG-09
Number of Samples: 156

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	156	Sorting of samples on arrival and labeling			VAN
1DX2	156	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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Project: CCJV
Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004463.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1371297	Soil Pulp	1.4	61.6	19.4	57	<0.1	34.9	20.6	868	5.28	41.8	2.1	0.9	8	<0.1	1.4	0.4	37	0.02	0.052
1371298	Soil Pulp	1.1	57.3	23.5	71	<0.1	40.2	21.6	673	4.92	49.8	2.4	1.2	11	0.1	1.4	0.3	40	0.06	0.047
1371299	Soil Pulp	1.0	25.7	17.8	91	<0.1	22.8	10.8	477	3.31	15.9	3.0	0.9	15	0.3	0.9	0.2	38	0.19	0.071
1371300	Soil Pulp	1.1	30.0	12.2	67	<0.1	21.8	9.8	324	2.98	15.1	1.0	0.6	13	0.1	0.9	0.2	36	0.18	0.049
1371630	Soil Pulp	1.3	25.6	19.2	63	<0.1	21.3	9.7	372	3.37	27.3	2.6	1.2	11	0.1	1.1	0.4	41	0.06	0.041
1371631	Soil Pulp	0.9	20.7	13.9	75	0.2	19.4	9.4	566	2.61	14.2	1.1	1.4	38	0.2	0.5	0.2	34	0.51	0.056
1371632	Soil Pulp	2.7	45.4	16.5	78	0.1	37.1	15.4	618	3.63	48.3	2.5	2.6	21	0.1	0.9	0.3	25	0.29	0.047
1371633	Soil Pulp	1.3	48.6	22.9	37	0.2	33.9	15.1	447	3.47	62.2	4.1	2.0	13	<0.1	2.4	0.3	22	0.21	0.038
1371634	Soil Pulp	1.0	31.0	13.9	43	0.1	23.7	11.9	863	3.60	43.7	2.9	1.5	13	<0.1	1.3	0.3	28	0.24	0.043
1371635	Soil Pulp	1.0	26.4	20.1	76	<0.1	24.6	12.7	577	3.34	25.1	2.5	1.3	12	0.3	1.0	0.3	31	0.09	0.052
1371636	Soil Pulp	1.1	23.4	19.4	76	<0.1	20.8	9.7	398	3.82	19.3	1.0	1.1	8	0.1	1.0	0.3	33	0.04	0.045
1371637	Soil Pulp	1.0	17.8	17.4	72	<0.1	13.3	9.1	672	2.91	15.9	0.8	0.4	11	0.5	0.7	0.3	41	0.06	0.056
1371638	Soil Pulp	1.0	53.3	17.4	86	<0.1	40.2	22.6	1412	5.56	31.7	1.4	3.8	17	0.3	0.9	0.4	42	0.27	0.083
1371639	Soil Pulp	4.7	66.9	45.4	82	<0.1	35.2	18.5	773	3.90	57.3	2.1	2.4	19	<0.1	2.7	0.5	11	0.06	0.020
1371640	Soil Pulp	2.7	98.8	33.1	98	0.2	56.3	33.5	1431	5.30	75.3	5.4	3.0	33	<0.1	2.6	0.5	12	0.38	0.037
1371641	Soil Pulp	1.9	72.3	48.9	60	0.3	69.8	33.0	1019	5.18	147.9	4.2	1.8	48	0.1	4.7	0.4	12	0.66	0.074
1371642	Soil Pulp	2.1	70.7	24.3	95	<0.1	46.3	23.7	780	4.99	63.3	3.1	2.2	18	0.1	2.2	0.5	12	0.21	0.068
1371643	Soil Pulp	1.1	30.0	12.2	50	<0.1	19.2	11.0	359	2.88	36.1	1.1	0.3	10	0.1	0.9	0.3	32	0.09	0.051
1371644	Soil Pulp	1.0	29.3	13.6	57	0.1	18.8	10.2	278	3.33	39.0	0.9	0.5	9	0.2	0.9	0.3	33	0.06	0.037
1371645	Soil Pulp	0.8	23.4	11.0	46	<0.1	16.2	10.4	462	2.80	32.3	1.1	0.4	10	0.2	0.7	0.3	30	0.07	0.046
1371646	Soil Pulp	1.0	26.0	14.2	58	0.1	17.1	11.2	548	3.45	27.0	0.6	0.7	12	0.2	0.7	0.3	38	0.10	0.040
1371647	Soil Pulp	1.1	37.6	16.9	66	0.2	22.8	13.6	754	3.33	33.6	1.9	0.4	11	0.2	0.8	0.3	25	0.09	0.080
1371648	Soil Pulp	0.9	35.5	14.6	68	<0.1	21.5	12.2	418	3.02	24.8	1.0	0.4	7	0.2	0.9	0.3	26	0.04	0.055
1371649	Soil Pulp	1.4	38.3	22.9	77	0.1	23.4	15.5	698	3.35	42.5	1.4	0.3	10	0.2	0.9	0.4	31	0.05	0.076
1371650	Soil Pulp	0.9	40.0	21.6	77	0.1	27.9	13.1	295	3.48	66.2	1.3	2.1	31	0.1	1.0	0.3	15	0.33	0.070
1371651	Soil Pulp	1.2	27.6	38.6	89	0.2	18.1	19.6	2493	3.24	34.1	1.2	0.3	9	0.3	0.8	0.4	41	0.04	0.066
1371652	Soil Pulp	0.8	24.9	28.4	81	<0.1	18.1	10.8	811	2.81	42.9	1.2	0.7	13	0.2	1.0	0.4	13	0.03	0.074
1371653	Soil Pulp	0.5	31.2	23.5	57	<0.1	21.7	10.5	270	3.36	50.1	1.5	2.0	20	<0.1	1.6	0.4	7	0.03	0.042
1371654	Soil Pulp	1.0	30.7	18.6	69	<0.1	19.6	10.8	605	2.44	27.5	<0.5	0.3	13	<0.1	0.7	0.4	23	0.07	0.063
1371655	Soil Pulp	0.6	40.2	31.2	83	<0.1	35.4	23.8	896	3.81	100.4	2.1	2.5	17	0.1	1.1	0.4	11	0.14	0.050

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Project: CCJV
Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004463.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1371297	Soil Pulp	16	0.12	60	0.002	<1	0.73	0.002	0.05	<0.1	0.18	3.5	0.1	<0.05	3	<0.5
1371298	Soil Pulp	18	0.23	71	0.005	3	0.99	0.003	0.04	<0.1	0.08	2.9	0.1	<0.05	3	<0.5
1371299	Soil Pulp	21	0.36	130	0.008	2	1.17	0.004	0.07	0.2	0.05	1.8	<0.1	<0.05	4	0.5
1371300	Soil Pulp	19	0.30	93	0.010	<1	0.81	0.004	0.09	0.1	0.04	1.4	<0.1	<0.05	4	<0.5
1371630	Soil Pulp	19	0.24	76	0.012	<1	1.05	0.003	0.08	0.2	0.06	1.9	0.1	<0.05	5	<0.5
1371631	Soil Pulp	19	0.36	145	0.009	2	1.09	0.005	0.07	0.1	0.08	2.4	<0.1	0.05	4	<0.5
1371632	Soil Pulp	13	0.22	59	0.004	<1	0.60	0.003	0.07	<0.1	0.20	3.9	<0.1	<0.05	2	<0.5
1371633	Soil Pulp	12	0.13	59	0.002	<1	0.60	0.003	0.07	<0.1	1.00	4.3	<0.1	<0.05	2	<0.5
1371634	Soil Pulp	16	0.20	97	0.005	<1	0.74	0.003	0.07	<0.1	0.37	2.6	0.1	<0.05	3	<0.5
1371635	Soil Pulp	18	0.26	137	0.007	1	0.95	0.003	0.07	0.1	0.09	2.0	<0.1	<0.05	3	<0.5
1371636	Soil Pulp	19	0.26	84	0.005	1	1.06	0.003	0.07	<0.1	0.06	1.7	<0.1	<0.05	4	<0.5
1371637	Soil Pulp	17	0.15	134	0.007	<1	0.97	0.003	0.09	<0.1	0.06	1.0	<0.1	<0.05	5	<0.5
1371638	Soil Pulp	23	0.12	189	0.002	1	1.47	0.002	0.05	<0.1	0.22	8.4	0.1	<0.05	3	<0.5
1371639	Soil Pulp	7	0.03	26	<0.001	1	0.24	0.002	0.08	<0.1	1.08	5.4	0.1	0.06	1	0.7
1371640	Soil Pulp	7	0.09	48	<0.001	2	0.35	0.002	0.12	<0.1	1.16	7.2	0.1	<0.05	1	1.5
1371641	Soil Pulp	6	0.06	54	<0.001	3	0.34	0.003	0.10	<0.1	1.35	6.3	0.2	0.09	<1	1.1
1371642	Soil Pulp	7	0.06	58	<0.001	1	0.34	0.002	0.09	<0.1	0.83	5.8	0.1	<0.05	1	1.1
1371643	Soil Pulp	13	0.12	118	0.006	1	0.54	0.003	0.09	<0.1	0.08	1.1	<0.1	<0.05	3	<0.5
1371644	Soil Pulp	13	0.12	81	0.009	1	0.62	0.002	0.10	<0.1	0.08	1.3	<0.1	<0.05	4	<0.5
1371645	Soil Pulp	11	0.10	79	0.008	2	0.55	0.002	0.09	<0.1	0.05	1.3	<0.1	<0.05	3	<0.5
1371646	Soil Pulp	16	0.17	123	0.010	2	0.85	0.003	0.11	<0.1	0.06	1.5	<0.1	<0.05	4	<0.5
1371647	Soil Pulp	10	0.08	79	0.003	2	0.57	0.003	0.10	<0.1	0.05	1.2	0.1	0.05	3	<0.5
1371648	Soil Pulp	9	0.05	65	0.003	1	0.54	0.002	0.08	<0.1	0.04	1.6	0.1	<0.05	3	<0.5
1371649	Soil Pulp	13	0.08	84	0.004	<1	0.78	0.003	0.08	<0.1	0.06	0.9	0.1	<0.05	3	<0.5
1371650	Soil Pulp	9	0.18	68	0.003	1	0.57	0.002	0.08	<0.1	0.15	3.5	<0.1	0.05	2	<0.5
1371651	Soil Pulp	11	0.06	258	0.005	2	0.55	0.003	0.10	<0.1	0.05	0.5	0.2	0.05	4	<0.5
1371652	Soil Pulp	6	0.03	114	0.002	1	0.47	0.002	0.08	<0.1	0.11	1.2	0.1	0.06	2	<0.5
1371653	Soil Pulp	4	0.03	103	0.002	<1	0.28	0.002	0.07	<0.1	0.17	2.1	<0.1	<0.05	<1	<0.5
1371654	Soil Pulp	6	0.04	98	0.002	1	0.34	0.002	0.09	<0.1	0.04	0.8	0.1	0.05	2	<0.5
1371655	Soil Pulp	7	0.07	107	0.002	1	0.43	0.003	0.08	<0.1	0.23	3.5	0.2	<0.05	1	<0.5

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Project: CCJV
Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1371656	Soil Pulp	0.6	33.4	28.8	75	<0.1	19.8	14.3	834	3.37	14.4	1.1	0.9	15	<0.1	0.5	0.4	20	0.07	0.059
1371657	Soil Pulp	0.4	51.9	37.7	79	0.2	31.2	29.8	781	2.61	20.8	2.5	8.7	19	<0.1	0.5	0.5	6	0.12	0.041
1371658	Soil Pulp	0.4	50.4	42.4	89	0.2	33.5	26.8	520	2.31	67.0	3.4	8.0	32	0.2	0.5	0.5	6	0.16	0.040
1371659	Soil Pulp	0.4	51.2	30.1	63	0.2	33.7	22.8	419	2.30	64.2	3.5	11.3	29	0.1	0.8	0.5	5	0.11	0.035
1371660	Soil Pulp	0.4	51.9	23.0	119	0.1	40.8	29.1	375	2.62	85.3	1.6	8.1	23	0.4	0.8	0.5	10	0.17	0.035
1371661	Soil Pulp	0.7	37.1	35.6	83	0.1	31.7	15.4	424	3.48	46.7	1.3	2.5	19	0.1	0.7	0.4	19	0.43	0.083
1371662	Soil Pulp	0.7	53.7	28.2	76	0.2	52.2	28.9	389	3.79	69.7	1.9	5.6	18	<0.1	1.5	0.6	10	0.12	0.041
1371663	Soil Pulp	0.5	41.5	12.7	36	0.1	36.9	22.8	434	2.28	73.4	1.6	2.9	13	<0.1	0.8	0.5	9	0.20	0.044
1371664	Soil Pulp	0.4	28.6	11.6	33	<0.1	28.6	19.8	461	1.82	74.2	0.6	1.2	10	<0.1	0.5	0.3	11	0.14	0.068
1371665	Soil Pulp	0.6	29.3	20.0	82	<0.1	26.7	17.8	1559	5.45	47.2	0.6	0.6	15	0.1	0.5	0.3	15	0.34	0.159
1371666	Soil Pulp	0.8	47.3	27.6	105	<0.1	56.9	30.1	362	4.73	108.2	<0.5	1.1	8	0.1	2.1	0.5	10	0.06	0.064
1371667	Soil Pulp	0.6	37.8	32.3	62	0.2	50.1	32.5	551	4.30	74.8	1.2	6.2	29	<0.1	1.4	0.7	8	0.27	0.051
1371668	Soil Pulp	1.4	30.1	30.2	68	<0.1	30.4	15.9	586	3.31	24.0	0.8	0.8	6	0.1	1.1	0.4	15	0.05	0.088
1371669	Soil Pulp	0.9	34.1	31.1	98	0.1	37.5	20.1	704	4.18	16.0	0.8	2.6	8	<0.1	0.4	0.4	11	0.12	0.075
1371670	Soil Pulp	0.5	21.9	12.5	34	<0.1	21.4	11.8	316	2.50	45.1	1.8	2.3	25	0.1	0.7	0.3	14	0.37	0.059
1371671	Soil Pulp	0.5	24.6	6.1	19	<0.1	25.5	14.7	148	2.21	50.3	<0.5	1.7	7	<0.1	0.7	0.3	15	0.03	0.025
1373558	Soil Pulp	1.2	44.2	33.7	118	<0.1	29.0	15.0	827	4.32	25.5	2.1	1.9	13	0.4	1.4	0.3	38	0.24	0.057
1373559	Soil Pulp	1.2	33.4	19.1	70	<0.1	21.6	11.4	427	3.40	19.5	1.5	1.6	13	0.2	1.2	0.3	36	0.43	0.050
1373560	Soil Pulp	1.0	71.0	13.9	66	0.1	22.2	13.5	454	3.62	10.8	2.5	0.8	23	0.3	1.3	0.2	52	0.98	0.082
1373561	Soil Pulp	1.4	50.0	44.5	267	0.1	38.7	17.8	595	4.09	53.7	3.3	2.2	11	0.9	3.8	0.3	32	0.26	0.047
1373562	Soil Pulp	1.2	92.8	256.1	174	0.6	50.9	26.5	2433	13.51	80.6	5.1	1.0	34	0.8	6.8	0.2	24	3.73	0.104
1373563	Soil Pulp	1.3	75.2	250.1	142	0.8	39.1	20.0	1670	10.36	67.3	3.9	0.7	26	0.5	6.1	0.2	20	2.19	0.092
1373564	Soil Pulp	1.2	45.0	17.9	76	<0.1	32.0	15.4	445	4.48	27.4	1.8	2.6	7	0.4	1.2	0.3	59	0.07	0.036
1373565	Soil Pulp	1.3	71.4	36.5	85	<0.1	46.2	21.1	541	4.70	47.0	2.6	2.8	8	0.2	2.7	0.3	44	0.04	0.035
1373566	Soil Pulp	0.7	158.0	15.9	91	<0.1	61.7	37.0	940	6.79	26.9	1.0	1.3	3	<0.1	0.9	0.2	44	0.08	0.059
1373567	Soil Pulp	0.9	140.5	11.3	89	<0.1	60.8	34.6	1703	6.23	48.4	2.3	1.2	8	0.2	1.7	0.2	43	0.27	0.048
1373568	Soil Pulp	1.0	176.7	11.4	63	<0.1	71.4	31.4	373	6.92	100.5	2.6	1.3	4	0.1	3.8	0.2	42	0.08	0.064
1373569	Soil Pulp	1.1	140.2	18.9	123	0.1	55.2	31.0	780	6.36	25.2	4.2	0.9	11	0.2	1.1	0.2	38	0.35	0.085
1373570	Soil Pulp	1.1	82.4	19.5	75	<0.1	36.1	20.0	474	4.40	44.5	0.7	1.2	9	0.2	2.3	0.4	25	0.25	0.062
1373571	Soil Pulp	1.1	111.9	17.5	75	<0.1	52.0	28.5	724	4.95	41.8	2.7	1.2	13	0.2	2.1	0.3	31	0.61	0.074

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Report Date: September 24, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1371656	Soil Pulp	9	0.08	93	0.003	2	0.55	0.003	0.09	<0.1	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1371657	Soil Pulp	4	0.07	200	<0.001	2	0.27	0.003	0.09	<0.1	0.04	3.0	0.1	<0.05	<1	<0.5	<0.2
1371658	Soil Pulp	4	0.08	206	0.002	1	0.30	0.002	0.10	<0.1	0.09	2.8	<0.1	<0.05	<1	<0.5	<0.2
1371659	Soil Pulp	4	0.08	254	<0.001	2	0.33	0.003	0.10	<0.1	0.13	2.9	<0.1	<0.05	<1	<0.5	<0.2
1371660	Soil Pulp	6	0.06	132	0.002	3	0.27	0.002	0.10	<0.1	0.30	3.2	<0.1	<0.05	<1	<0.5	<0.2
1371661	Soil Pulp	13	0.14	77	0.003	5	0.58	0.004	0.09	<0.1	0.13	3.1	<0.1	0.06	2	0.6	<0.2
1371662	Soil Pulp	6	0.05	54	0.001	2	0.25	0.002	0.09	<0.1	0.17	4.3	0.1	<0.05	<1	0.7	<0.2
1371663	Soil Pulp	6	0.05	53	0.002	2	0.25	0.002	0.09	<0.1	0.13	2.6	<0.1	<0.05	<1	<0.5	<0.2
1371664	Soil Pulp	7	0.03	42	0.002	4	0.26	0.002	0.09	<0.1	0.09	1.4	<0.1	0.05	1	<0.5	<0.2
1371665	Soil Pulp	9	0.09	83	0.004	3	0.40	0.003	0.09	<0.1	0.05	1.4	<0.1	0.08	2	<0.5	<0.2
1371666	Soil Pulp	7	0.05	35	0.001	2	0.34	0.001	0.07	<0.1	0.05	2.8	<0.1	0.05	1	<0.5	<0.2
1371667	Soil Pulp	5	0.06	55	<0.001	3	0.30	0.003	0.13	<0.1	0.14	3.5	0.1	<0.05	<1	0.6	<0.2
1371668	Soil Pulp	6	0.03	63	0.003	3	0.53	0.003	0.07	<0.1	0.12	1.4	0.2	<0.05	2	0.5	<0.2
1371669	Soil Pulp	13	0.19	56	0.003	3	0.77	0.002	0.07	<0.1	0.06	2.9	0.1	<0.05	3	<0.5	<0.2
1371670	Soil Pulp	8	0.13	72	0.001	3	0.57	0.003	0.12	<0.1	0.07	1.7	<0.1	0.07	2	<0.5	<0.2
1371671	Soil Pulp	5	0.02	25	0.002	2	0.39	0.002	0.07	<0.1	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1373558	Soil Pulp	20	0.21	774	0.006	3	1.04	0.003	0.08	<0.1	0.25	4.0	<0.1	<0.05	4	0.7	<0.2
1373559	Soil Pulp	18	0.22	319	0.005	3	0.96	0.003	0.08	0.1	0.07	2.5	<0.1	<0.05	4	<0.5	<0.2
1373560	Soil Pulp	18	0.35	583	0.005	3	0.92	0.003	0.06	<0.1	0.11	4.9	<0.1	0.05	4	<0.5	<0.2
1373561	Soil Pulp	18	0.23	769	0.005	2	0.79	0.003	0.10	<0.1	0.78	4.0	<0.1	<0.05	3	0.6	<0.2
1373562	Soil Pulp	11	0.96	554	0.002	6	0.49	0.003	0.08	<0.1	2.06	4.5	0.1	0.08	1	1.3	<0.2
1373563	Soil Pulp	10	0.30	394	0.002	6	0.55	0.003	0.06	<0.1	2.60	3.5	0.1	0.11	1	0.8	<0.2
1373564	Soil Pulp	30	0.31	121	0.005	1	1.37	0.003	0.07	0.1	0.05	3.8	<0.1	<0.05	5	<0.5	<0.2
1373565	Soil Pulp	24	0.26	201	0.004	3	1.31	0.003	0.08	<0.1	0.33	4.9	<0.1	<0.05	4	<0.5	<0.2
1373566	Soil Pulp	16	0.08	58	<0.001	3	0.82	0.004	0.08	<0.1	0.10	12.7	<0.1	<0.05	2	<0.5	<0.2
1373567	Soil Pulp	17	0.08	200	0.001	1	0.68	0.004	0.10	<0.1	0.28	13.1	<0.1	<0.05	2	<0.5	<0.2
1373568	Soil Pulp	15	0.09	54	0.002	2	0.53	0.002	0.08	<0.1	0.10	10.7	<0.1	<0.05	2	<0.5	<0.2
1373569	Soil Pulp	19	0.21	105	0.001	2	0.77	0.003	0.09	<0.1	0.39	9.4	<0.1	0.05	3	<0.5	<0.2
1373570	Soil Pulp	11	0.08	57	0.002	1	0.56	0.002	0.10	<0.1	0.12	4.3	<0.1	<0.05	2	<0.5	<0.2
1373571	Soil Pulp	15	0.11	69	<0.001	3	0.86	0.003	0.09	<0.1	0.35	6.8	0.1	<0.05	2	<0.5	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1373572	Soil Pulp	4.0	126.2	29.4	60	0.1	63.9	40.9	972	6.11	103.3	3.0	1.3	9	0.1	5.3	0.3	37	0.56	0.062
1373573	Soil Pulp	0.9	122.3	14.8	75	0.2	59.2	29.5	727	4.67	32.8	3.6	0.9	17	0.1	1.3	0.2	26	0.88	0.066
1373574	Soil Pulp	1.2	93.5	16.0	52	0.3	40.3	18.3	375	3.97	42.9	3.6	1.2	16	<0.1	2.0	0.3	22	0.74	0.061
1373575	Soil Pulp	0.8	118.3	16.6	83	0.2	54.0	27.6	746	4.61	52.1	4.4	0.4	29	0.3	2.5	0.2	25	2.00	0.087
1373576	Soil Pulp	0.5	134.6	15.0	79	0.2	52.0	31.3	756	5.93	54.6	6.3	1.2	21	0.1	1.4	0.2	57	0.84	0.074
1373577	Soil Pulp	0.7	133.7	14.9	81	0.1	50.4	30.8	1049	6.01	48.1	2.2	1.8	10	0.1	1.5	0.2	65	0.45	0.080
1373578	Soil Pulp	2.2	127.4	23.1	89	<0.1	38.2	26.9	476	5.41	45.5	1.8	1.2	4	<0.1	1.8	0.3	36	0.01	0.074
1373579	Soil Pulp	1.3	72.9	20.6	79	<0.1	38.3	21.7	681	4.84	42.9	2.5	3.1	8	0.3	1.5	0.3	53	0.06	0.048
1373580	Soil Pulp	1.0	31.9	15.6	65	0.2	21.0	9.1	421	3.14	11.7	1.2	1.1	22	0.4	0.5	0.3	58	0.38	0.224
1374132	Soil Pulp	0.8	68.4	12.6	71	<0.1	56.8	27.7	1029	6.51	667.7	1.9	2.1	20	0.2	0.8	0.3	33	0.42	0.057
1374162	Soil Pulp	0.6	27.9	18.9	89	<0.1	21.9	10.5	598	2.23	13.4	4.8	2.3	54	0.3	0.4	0.4	8	1.63	0.068
1374163	Soil Pulp	0.6	33.4	21.2	82	<0.1	32.0	13.2	303	2.96	14.2	3.8	3.1	33	0.1	0.5	0.4	8	0.81	0.054
1374601	Soil Pulp	0.7	34.5	25.5	77	<0.1	20.3	13.9	692	2.70	13.4	1.3	0.8	11	0.2	0.5	0.4	12	0.16	0.060
1374602	Soil Pulp	0.5	49.3	33.3	83	<0.1	33.7	20.5	670	3.64	36.5	1.6	4.6	38	<0.1	0.8	0.5	7	0.08	0.040
1374603	Soil Pulp	0.4	39.2	29.8	81	0.1	28.7	17.3	808	3.72	19.7	1.5	5.5	12	<0.1	0.5	0.3	8	0.15	0.044
1374604	Soil Pulp	0.3	48.2	27.6	78	<0.1	32.6	23.2	495	2.70	41.5	1.7	4.7	12	<0.1	0.5	0.4	6	0.11	0.036
1374605	Soil Pulp	0.4	53.0	38.4	95	0.1	35.6	23.9	576	3.17	46.4	2.9	6.8	15	<0.1	0.9	0.5	6	0.11	0.038
1374606	Soil Pulp	0.4	28.7	35.8	81	<0.1	17.9	13.7	739	2.45	27.3	0.9	2.5	14	0.1	0.5	0.3	11	0.15	0.056
1374607	Soil Pulp	0.5	32.7	19.8	95	<0.1	26.0	17.4	821	2.48	30.4	0.6	1.1	20	0.1	0.6	0.3	8	0.22	0.066
1374608	Soil Pulp	0.4	40.5	26.0	127	<0.1	31.5	16.9	447	2.95	57.9	1.2	3.1	15	0.4	0.7	0.4	9	0.11	0.039
1374609	Soil Pulp	0.4	53.7	41.9	128	0.1	34.0	23.2	603	3.22	63.3	1.6	7.1	23	0.5	0.8	0.5	7	0.11	0.035
1374610	Soil Pulp	0.5	14.7	32.4	101	<0.1	34.2	16.0	1369	6.45	45.9	1.0	2.8	12	0.2	0.4	0.3	14	0.18	0.096
1374611	Soil Pulp	0.5	30.1	5.2	41	<0.1	20.5	10.7	877	1.69	44.1	0.8	0.9	11	0.2	0.5	0.2	13	0.12	0.060
1374612	Soil Pulp	0.8	23.5	6.4	39	<0.1	25.3	10.8	148	2.26	50.8	<0.5	1.1	11	0.1	0.5	0.3	15	0.07	0.074
1374613	Soil Pulp	0.4	27.6	27.3	79	<0.1	33.9	19.4	2187	5.94	39.5	<0.5	6.5	13	0.2	0.7	0.3	11	0.11	0.074
1374614	Soil Pulp	0.6	38.7	34.9	66	0.1	52.8	29.5	1198	5.30	55.1	2.2	8.8	25	<0.1	1.2	0.4	8	0.24	0.055
1374615	Soil Pulp	0.4	35.0	27.6	88	<0.1	34.0	28.0	1109	3.34	60.8	1.6	4.0	18	0.3	0.9	0.4	10	0.20	0.050
1374616	Soil Pulp	0.7	33.1	28.3	57	0.1	37.2	16.0	929	4.27	50.3	2.9	3.4	30	<0.1	1.4	0.4	12	0.28	0.088
1374617	Soil Pulp	0.5	25.7	14.0	67	<0.1	20.9	8.8	171	3.07	26.4	0.8	1.5	12	<0.1	0.3	0.3	11	0.01	0.050

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1373572	Soil Pulp	14	0.10	48	0.001	4	0.68	0.003	0.09	<0.1	0.38	8.3	0.2	<0.05	2	0.7	<0.2
1373573	Soil Pulp	11	0.08	54	<0.001	<1	0.44	0.003	0.06	<0.1	0.64	8.8	<0.1	0.07	1	<0.5	<0.2
1373574	Soil Pulp	10	0.08	79	0.001	3	0.56	0.003	0.08	<0.1	0.57	7.1	<0.1	0.07	2	0.7	<0.2
1373575	Soil Pulp	12	0.09	54	<0.001	4	0.42	0.003	0.08	<0.1	0.43	7.5	<0.1	0.13	1	<0.5	<0.2
1373576	Soil Pulp	36	0.53	155	0.001	3	1.40	0.006	0.10	<0.1	0.11	13.8	<0.1	0.07	4	<0.5	<0.2
1373577	Soil Pulp	36	0.46	141	0.002	2	1.42	0.004	0.09	<0.1	0.10	9.5	<0.1	<0.05	5	<0.5	<0.2
1373578	Soil Pulp	13	0.07	43	0.003	2	0.83	0.003	0.07	<0.1	0.27	4.6	0.2	<0.05	4	<0.5	<0.2
1373579	Soil Pulp	28	0.29	106	0.009	2	1.60	0.004	0.08	0.1	0.11	5.1	0.2	<0.05	5	<0.5	<0.2
1373580	Soil Pulp	31	0.30	352	0.010	2	2.02	0.005	0.09	0.1	0.10	3.2	0.2	0.13	7	0.7	<0.2
1374132	Soil Pulp	19	0.15	102	0.003	4	0.67	0.002	0.10	<0.1	0.26	7.1	<0.1	<0.05	2	<0.5	<0.2
1374162	Soil Pulp	9	0.14	69	0.002	7	0.32	0.003	0.06	<0.1	0.11	3.8	<0.1	0.24	<1	<0.5	<0.2
1374163	Soil Pulp	9	0.13	61	0.001	6	0.45	0.003	0.08	<0.1	0.15	4.2	<0.1	0.18	1	<0.5	<0.2
1374601	Soil Pulp	9	0.06	78	<0.001	3	0.32	0.003	0.08	<0.1	0.03	1.1	<0.1	0.08	1	<0.5	<0.2
1374602	Soil Pulp	4	0.07	69	0.001	3	0.27	0.002	0.08	<0.1	0.06	2.8	<0.1	<0.05	<1	<0.5	<0.2
1374603	Soil Pulp	7	0.11	82	0.002	3	0.31	0.003	0.09	<0.1	0.04	3.3	<0.1	<0.05	<1	<0.5	<0.2
1374604	Soil Pulp	4	0.07	70	0.001	2	0.25	0.002	0.08	<0.1	0.03	2.5	<0.1	<0.05	<1	<0.5	<0.2
1374605	Soil Pulp	4	0.10	78	0.002	2	0.30	0.002	0.07	<0.1	0.05	2.9	<0.1	<0.05	<1	<0.5	<0.2
1374606	Soil Pulp	6	0.07	115	0.001	2	0.49	0.003	0.09	<0.1	0.03	2.1	<0.1	0.07	2	<0.5	<0.2
1374607	Soil Pulp	5	0.06	118	0.001	2	0.32	0.002	0.08	<0.1	0.04	1.4	<0.1	0.09	1	<0.5	<0.2
1374608	Soil Pulp	6	0.07	174	<0.001	2	0.31	0.002	0.10	<0.1	0.07	3.0	<0.1	<0.05	1	<0.5	<0.2
1374609	Soil Pulp	5	0.06	581	<0.001	3	0.24	0.002	0.08	<0.1	0.25	3.6	<0.1	0.06	<1	<0.5	<0.2
1374610	Soil Pulp	10	0.14	151	0.002	2	0.65	0.003	0.09	<0.1	0.11	4.8	<0.1	0.09	2	<0.5	<0.2
1374611	Soil Pulp	7	0.04	61	0.001	2	0.36	0.003	0.06	<0.1	0.06	1.1	<0.1	0.05	2	<0.5	<0.2
1374612	Soil Pulp	9	0.04	56	0.001	3	0.53	0.004	0.06	<0.1	0.03	1.3	<0.1	0.05	2	<0.5	<0.2
1374613	Soil Pulp	6	0.10	83	0.003	2	0.40	0.002	0.09	<0.1	0.09	3.8	0.1	<0.05	1	<0.5	<0.2
1374614	Soil Pulp	6	0.11	65	0.002	3	0.30	0.003	0.10	<0.1	0.14	3.7	<0.1	0.06	<1	<0.5	<0.2
1374615	Soil Pulp	6	0.06	86	0.002	2	0.31	0.002	0.10	<0.1	0.06	2.4	<0.1	<0.05	1	<0.5	<0.2
1374616	Soil Pulp	11	0.07	83	0.001	2	0.58	0.004	0.14	<0.1	0.10	3.6	0.1	0.12	2	<0.5	<0.2
1374617	Soil Pulp	7	0.02	17	<0.001	2	0.38	0.003	0.07	<0.1	0.07	1.4	0.2	<0.05	2	<0.5	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374618	Soil Pulp	1.0	27.0	15.9	61	0.2	23.1	9.0	263	2.24	26.6	2.7	1.0	52	0.3	1.5	0.3	12	1.67	0.077
1374619	Soil Pulp	1.0	46.6	18.2	79	0.1	29.7	12.4	463	2.58	21.5	5.4	3.7	20	0.2	1.4	0.2	35	0.29	0.068
1374620	Soil Pulp	0.7	151.1	69.5	321	0.2	41.2	16.1	431	1.82	109.6	2.4	1.8	24	2.1	1.3	0.3	17	0.71	0.070
1374621	Soil Pulp	1.1	54.8	59.7	133	<0.1	31.3	12.1	154	2.10	74.7	1.3	0.4	6	0.2	3.5	0.3	21	0.05	0.064
1374622	Soil Pulp	0.9	38.6	36.2	71	<0.1	17.4	6.3	79	1.58	31.5	0.5	0.3	8	0.6	1.3	0.2	27	0.05	0.057
1374624	Soil Pulp	0.6	66.7	29.4	710	<0.1	43.4	20.9	435	1.70	79.3	1.0	1.5	8	5.0	2.1	0.4	15	0.09	0.053
1374625	Soil Pulp	0.9	33.8	20.9	62	<0.1	23.8	23.1	3694	2.77	38.9	0.8	0.5	8	0.3	1.1	0.3	38	0.14	0.067
1374626	Soil Pulp	0.6	155.2	50.9	108	<0.1	94.9	36.6	923	4.01	134.8	0.9	3.9	15	0.5	2.3	0.3	23	0.05	0.036
1374627	Soil Pulp	1.2	26.7	15.2	44	<0.1	15.5	5.9	100	1.74	29.6	0.5	0.3	6	0.3	1.3	0.3	50	0.02	0.029
1374628	Soil Pulp	0.7	28.8	6.0	37	<0.1	19.0	7.8	174	1.72	45.6	1.7	0.3	6	<0.1	1.6	0.2	25	0.04	0.040
1374629	Soil Pulp	1.2	16.8	15.5	65	<0.1	11.2	6.4	531	2.78	11.4	0.8	0.2	8	0.2	0.7	0.3	60	0.05	0.055
1374630	Soil Pulp	1.0	28.5	38.0	133	0.2	15.9	10.5	660	2.90	17.6	0.9	0.2	11	0.9	0.9	0.3	45	0.17	0.107
1374631	Soil Pulp	1.0	35.3	9.7	33	<0.1	25.3	14.6	115	2.40	36.5	0.6	1.0	7	0.1	3.3	0.3	24	0.04	0.041
1374632	Soil Pulp	1.2	37.2	26.0	51	0.2	22.5	11.1	295	4.88	52.4	1.4	1.8	6	0.2	3.4	0.3	27	0.06	0.038
1374633	Soil Pulp	1.1	42.5	23.2	38	0.2	30.9	14.2	515	2.74	52.2	2.7	1.1	14	0.2	2.8	0.3	19	0.59	0.062
1374634	Soil Pulp	1.1	36.0	22.8	133	<0.1	29.1	14.2	381	3.42	46.2	0.9	2.3	9	0.7	1.1	0.3	45	0.05	0.044
1374635	Soil Pulp	0.6	39.3	15.5	61	<0.1	35.0	18.2	612	3.54	41.5	0.7	2.4	18	0.2	1.4	0.4	14	0.55	0.040
1374636	Soil Pulp	0.6	20.6	14.9	63	<0.1	17.2	9.7	318	2.18	17.2	<0.5	1.1	25	0.2	0.7	0.3	19	1.00	0.096
1374637	Soil Pulp	0.5	57.5	10.3	35	0.1	26.8	12.6	388	2.55	42.2	0.9	1.0	24	<0.1	1.1	0.2	14	1.23	0.099
1374638	Soil Pulp	0.8	322.2	9.3	129	0.3	73.1	25.8	3662	17.18	148.1	<0.5	1.0	14	0.4	6.6	0.2	60	0.74	0.066
1374639	Soil Pulp	1.0	50.7	14.9	77	<0.1	34.5	16.8	250	3.71	51.8	1.0	0.5	10	<0.1	2.0	0.3	21	0.28	0.077
1374640	Soil Pulp	0.7	42.6	9.5	44	<0.1	26.9	15.9	358	3.64	57.2	0.9	0.8	5	0.2	1.1	0.2	31	0.06	0.068
1374641	Soil Pulp	0.8	43.5	15.0	58	0.2	32.0	15.8	404	2.58	50.0	0.9	0.5	21	0.4	2.9	0.2	19	0.61	0.090
1374642	Soil Pulp	1.3	41.5	25.0	69	<0.1	27.6	12.5	359	3.77	55.4	1.1	0.7	6	0.1	3.5	0.3	35	0.03	0.056
1374643	Soil Pulp	1.3	18.8	13.1	62	<0.1	17.7	5.9	186	2.43	12.5	2.2	0.4	7	0.1	0.7	0.2	43	0.08	0.055
1374860	Soil Pulp	0.5	37.6	34.0	84	0.2	27.1	18.2	460	3.17	15.8	0.7	1.6	18	0.1	0.4	0.4	13	0.20	0.055
1374861	Soil Pulp	0.4	35.4	24.8	77	0.1	34.6	15.1	332	3.74	14.6	1.0	3.4	44	<0.1	0.3	0.3	8	1.23	0.049
1374862	Soil Pulp	1.0	41.1	33.3	104	0.1	41.8	23.4	492	4.63	16.7	<0.5	4.8	16	0.1	0.4	0.4	13	0.27	0.048
1374863	Soil Pulp	0.8	11.3	10.8	35	<0.1	8.1	3.9	165	1.87	11.2	0.6	1.7	5	<0.1	0.5	0.2	46	0.04	0.024
1374864	Soil Pulp	0.6	13.7	24.5	81	<0.1	10.3	4.9	217	1.84	11.0	<0.5	0.9	8	0.2	0.3	0.2	30	0.08	0.046

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374618	Soil Pulp	8	0.14	274	0.002	3	0.46	0.004	0.06	<0.1	0.28	2.3	<0.1	0.13	1	0.6	<0.2
1374619	Soil Pulp	18	0.32	604	0.033	2	0.81	0.008	0.06	0.2	0.09	3.5	<0.1	<0.05	2	<0.5	<0.2
1374620	Soil Pulp	8	0.10	2529	<0.001	5	0.68	0.003	0.12	<0.1	0.42	4.9	<0.1	0.10	2	<0.5	<0.2
1374621	Soil Pulp	8	0.04	482	0.002	2	0.40	0.003	0.09	<0.1	0.28	1.3	<0.1	0.07	2	<0.5	<0.2
1374622	Soil Pulp	9	0.04	778	0.003	4	0.50	0.003	0.06	<0.1	0.06	0.8	<0.1	<0.05	3	<0.5	<0.2
1374624	Soil Pulp	7	0.05	1078	<0.001	1	0.42	0.003	0.07	<0.1	0.06	7.4	<0.1	<0.05	1	<0.5	<0.2
1374625	Soil Pulp	10	0.07	446	0.006	3	0.54	0.004	0.11	<0.1	0.09	2.6	0.1	0.06	3	<0.5	<0.2
1374626	Soil Pulp	9	0.07	1647	0.002	3	0.43	0.002	0.08	<0.1	0.07	9.1	<0.1	<0.05	1	<0.5	<0.2
1374627	Soil Pulp	11	0.05	241	0.009	2	0.66	0.002	0.04	<0.1	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
1374628	Soil Pulp	6	0.03	239	0.003	2	0.30	0.002	0.05	<0.1	0.03	0.9	<0.1	<0.05	2	<0.5	<0.2
1374629	Soil Pulp	22	0.15	143	0.012	2	1.02	0.004	0.08	0.1	0.03	0.6	0.1	<0.05	6	<0.5	<0.2
1374630	Soil Pulp	17	0.15	897	0.005	2	1.11	0.003	0.08	0.1	0.27	0.6	0.1	0.06	5	<0.5	<0.2
1374631	Soil Pulp	9	0.05	81	0.001	3	0.66	0.003	0.08	<0.1	0.07	2.2	0.1	<0.05	3	<0.5	<0.2
1374632	Soil Pulp	9	0.06	100	0.002	3	0.57	0.003	0.09	<0.1	0.86	2.3	<0.1	<0.05	3	<0.5	<0.2
1374633	Soil Pulp	9	0.09	307	0.003	3	0.40	0.003	0.10	<0.1	0.40	2.9	<0.1	0.06	2	<0.5	<0.2
1374634	Soil Pulp	20	0.24	181	0.006	4	1.20	0.004	0.08	0.1	0.18	2.5	0.1	<0.05	5	<0.5	<0.2
1374635	Soil Pulp	12	0.17	89	0.002	2	0.66	0.002	0.05	<0.1	0.06	3.6	<0.1	0.05	2	<0.5	<0.2
1374636	Soil Pulp	11	0.11	136	0.003	1	0.64	0.003	0.05	<0.1	0.05	3.3	<0.1	0.11	2	<0.5	<0.2
1374637	Soil Pulp	8	0.11	83	0.002	2	0.43	0.003	0.04	<0.1	0.11	4.3	<0.1	0.13	1	0.8	<0.2
1374638	Soil Pulp	14	0.51	68	0.006	5	0.52	0.005	0.04	<0.1	0.12	5.6	<0.1	0.10	2	0.8	<0.2
1374639	Soil Pulp	10	0.07	77	0.003	2	0.44	0.004	0.06	<0.1	0.07	3.4	<0.1	0.06	2	0.5	<0.2
1374640	Soil Pulp	14	0.09	53	0.004	2	0.57	0.005	0.05	<0.1	0.06	3.1	<0.1	<0.05	2	0.5	<0.2
1374641	Soil Pulp	9	0.13	79	0.002	1	0.44	0.004	0.06	<0.1	0.19	3.4	<0.1	0.11	2	0.6	<0.2
1374642	Soil Pulp	17	0.16	51	0.006	2	0.87	0.002	0.06	0.1	0.09	2.4	<0.1	<0.05	4	0.7	<0.2
1374643	Soil Pulp	25	0.33	76	0.011	<1	1.35	0.004	0.05	0.2	0.05	1.1	0.1	<0.05	5	<0.5	<0.2
1374860	Soil Pulp	9	0.06	82	0.001	1	0.52	0.003	0.08	<0.1	0.06	2.7	<0.1	<0.05	2	<0.5	<0.2
1374861	Soil Pulp	10	0.25	46	0.001	3	0.67	0.003	0.06	<0.1	0.17	4.4	<0.1	0.07	2	0.6	<0.2
1374862	Soil Pulp	20	0.57	59	<0.001	<1	1.47	0.002	0.06	<0.1	0.04	3.5	0.1	<0.05	4	0.8	<0.2
1374863	Soil Pulp	12	0.08	54	0.019	<1	0.72	0.002	0.05	0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
1374864	Soil Pulp	11	0.08	109	0.003	<1	0.95	0.002	0.06	<0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374865	Soil Pulp	0.7	29.3	16.0	68	<0.1	21.1	8.3	324	2.91	17.6	0.9	2.0	41	0.3	0.5	0.2	25	0.69	0.054
1374866	Soil Pulp	0.8	33.4	28.0	118	0.2	25.0	10.6	545	3.02	17.1	1.6	1.9	50	0.5	0.6	0.2	23	0.73	0.048
1374867	Soil Pulp	0.8	22.8	17.0	67	<0.1	18.0	10.0	455	3.31	14.0	<0.5	3.7	15	0.3	0.5	0.2	22	0.25	0.029
1374868	Soil Pulp	0.6	28.7	13.8	57	<0.1	17.1	10.1	570	2.58	5.6	<0.5	2.0	36	0.6	0.3	0.2	19	0.92	0.042
1374869	Soil Pulp	0.5	37.9	13.1	53	<0.1	20.5	9.4	332	2.41	7.9	2.3	2.4	47	0.5	0.3	0.2	17	1.51	0.051
1374870	Soil Pulp	2.3	74.8	24.0	71	0.1	36.6	21.2	727	3.79	34.2	2.5	1.9	32	<0.1	1.3	0.4	9	0.49	0.043
1374871	Soil Pulp	0.5	45.4	12.4	58	<0.1	25.5	11.8	430	2.22	14.3	2.0	2.5	106	0.5	0.3	0.3	9	3.67	0.089
1374872	Soil Pulp	0.8	40.4	15.5	57	<0.1	21.0	9.0	369	2.04	14.3	1.7	1.6	95	0.4	0.4	0.2	12	1.52	0.059
1374873	Soil Pulp	0.7	54.9	16.6	64	0.1	25.2	11.8	401	2.15	11.1	4.4	2.3	70	0.3	0.4	0.2	14	1.59	0.063
1374874	Soil Pulp	0.4	39.2	18.1	59	<0.1	24.3	10.0	571	2.12	2.9	<0.5	2.3	50	0.6	0.2	0.2	16	1.17	0.078
1374875	Soil Pulp	0.6	26.7	16.6	58	<0.1	20.3	8.0	233	2.98	17.9	<0.5	2.2	9	0.2	0.4	0.3	18	0.10	0.026
1374876	Soil Pulp	0.5	33.4	17.0	96	<0.1	27.3	8.6	406	2.86	12.1	1.2	2.2	44	0.2	0.4	0.3	9	0.99	0.058
1374877	Soil Pulp	0.8	28.8	19.6	87	<0.1	22.9	9.2	822	2.55	17.5	0.9	0.8	100	0.3	0.4	0.2	15	2.46	0.148
1374878	Soil Pulp	1.6	29.7	15.5	66	0.1	19.5	9.7	706	2.40	27.6	<0.5	0.9	95	0.5	0.3	0.1	13	2.07	0.096
1374879	Soil Pulp	1.3	32.3	20.1	82	0.1	20.7	10.6	848	2.86	25.7	1.6	0.7	71	0.4	0.4	0.2	15	1.57	0.111
1374880	Soil Pulp	1.1	28.3	24.3	95	<0.1	19.2	12.1	1357	2.54	17.7	0.8	0.2	11	0.3	0.7	0.3	30	0.14	0.081
1374881	Soil Pulp	0.8	25.3	21.2	70	0.1	17.8	10.9	1046	2.52	18.1	<0.5	0.2	16	0.4	0.6	0.3	21	0.26	0.127
1374882	Soil Pulp	0.6	40.7	16.3	99	<0.1	21.0	16.1	644	2.01	24.6	<0.5	1.1	11	<0.1	0.5	0.5	8	0.06	0.055
1374883	Soil Pulp	1.1	26.9	26.2	76	<0.1	16.8	11.8	992	3.16	8.7	<0.5	0.5	12	0.2	0.5	0.3	32	0.20	0.083
1374884	Soil Pulp	5.1	72.1	41.4	104	0.2	41.8	25.2	873	5.27	37.7	2.0	4.3	19	0.2	1.3	0.5	21	0.09	0.062
1374885	Soil Pulp	3.5	56.2	40.5	99	<0.1	34.2	23.5	686	4.88	20.2	1.7	2.5	17	0.2	1.1	0.6	26	0.03	0.074
1374886	Soil Pulp	1.4	25.6	19.1	76	0.1	19.0	8.7	595	3.17	16.2	1.5	0.1	10	0.4	0.7	0.3	33	0.04	0.097
1374887	Soil Pulp	0.9	31.7	25.4	69	0.1	43.2	11.8	821	2.95	15.5	0.6	0.3	10	0.5	0.6	0.4	18	0.08	0.091
1374888	Soil Pulp	0.9	32.4	18.5	81	<0.1	23.7	12.7	377	2.42	24.5	2.2	0.2	8	0.2	1.0	0.4	21	0.06	0.072
1374889	Soil Pulp	1.0	27.1	20.4	79	<0.1	29.8	9.8	1088	2.27	18.3	1.1	0.1	9	0.1	0.8	0.4	33	0.09	0.080
1374890	Soil Pulp	0.9	27.6	28.4	74	0.1	21.8	12.4	426	2.86	20.7	2.0	0.5	11	0.2	0.8	0.4	28	0.06	0.053
1374891	Soil Pulp	0.9	29.8	29.5	84	<0.1	24.4	15.4	892	3.45	11.3	1.9	1.4	19	0.2	0.5	0.5	34	0.18	0.051
1374892	Soil Pulp	0.6	29.3	41.8	77	<0.1	20.2	19.3	1011	2.44	13.2	1.5	1.6	50	0.2	0.4	0.3	21	0.66	0.089
1374893	Soil Pulp	0.6	30.2	29.1	60	<0.1	17.5	11.8	590	3.05	16.5	1.9	0.9	12	<0.1	0.5	0.4	19	0.15	0.088
1374894	Soil Pulp	0.7	20.2	13.4	45	<0.1	17.1	8.0	1103	1.77	17.0	0.9	0.8	16	<0.1	0.4	0.3	20	0.18	0.140

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Project: CCJV
Report Date: September 24, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374865	Soil Pulp	17	0.20	126	0.004	1	0.97	0.003	0.07	<0.1	0.04	4.3	<0.1	0.06	3	0.8	<0.2
1374866	Soil Pulp	17	0.17	199	0.005	2	0.92	0.004	0.09	<0.1	0.11	3.6	<0.1	<0.05	3	<0.5	<0.2
1374867	Soil Pulp	13	0.14	85	0.003	2	0.72	0.002	0.07	<0.1	0.04	4.8	<0.1	<0.05	2	<0.5	<0.2
1374868	Soil Pulp	9	0.14	100	0.003	3	0.64	0.003	0.08	<0.1	0.04	3.6	<0.1	<0.05	2	0.5	<0.2
1374869	Soil Pulp	11	0.34	147	0.002	2	0.61	0.003	0.07	<0.1	0.07	4.0	<0.1	0.06	2	1.0	<0.2
1374870	Soil Pulp	5	0.07	37	<0.001	4	0.27	0.001	0.10	<0.1	0.68	5.6	0.1	0.06	<1	1.8	0.3
1374871	Soil Pulp	9	1.12	94	0.001	5	0.34	0.004	0.07	<0.1	0.10	4.1	<0.1	0.09	<1	1.2	<0.2
1374872	Soil Pulp	10	0.13	291	0.001	3	0.75	0.002	0.06	<0.1	0.08	2.8	<0.1	0.08	2	1.1	<0.2
1374873	Soil Pulp	13	0.51	269	0.003	3	0.79	0.003	0.07	<0.1	0.07	3.5	<0.1	0.06	2	0.9	<0.2
1374874	Soil Pulp	18	0.84	325	0.003	1	1.31	0.003	0.09	<0.1	0.04	4.4	<0.1	0.08	3	1.0	<0.2
1374875	Soil Pulp	12	0.12	86	0.002	<1	0.73	0.002	0.07	<0.1	0.05	1.8	<0.1	<0.05	2	<0.5	<0.2
1374876	Soil Pulp	10	0.09	691	<0.001	2	0.46	0.002	0.06	<0.1	0.10	4.2	<0.1	0.06	1	0.9	<0.2
1374877	Soil Pulp	16	0.09	140	0.003	2	0.74	0.003	0.04	<0.1	0.14	1.9	<0.1	0.16	2	0.8	<0.2
1374878	Soil Pulp	13	0.16	205	0.002	3	0.63	0.003	0.08	<0.1	0.07	2.4	0.1	0.12	1	1.6	<0.2
1374879	Soil Pulp	13	0.15	164	0.002	3	0.61	0.002	0.07	<0.1	0.07	2.0	<0.1	0.12	2	0.7	<0.2
1374880	Soil Pulp	12	0.07	144	0.003	2	0.54	0.003	0.10	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
1374881	Soil Pulp	10	0.07	89	0.002	<1	0.54	0.003	0.07	<0.1	0.03	0.6	0.1	0.08	2	0.6	<0.2
1374882	Soil Pulp	4	0.04	85	<0.001	<1	0.37	0.002	0.08	<0.1	0.02	1.0	<0.1	<0.05	1	<0.5	<0.2
1374883	Soil Pulp	15	0.15	149	0.007	1	0.77	0.002	0.09	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1374884	Soil Pulp	19	0.31	56	0.003	1	1.18	0.003	0.08	<0.1	0.10	4.7	0.1	<0.05	4	1.1	<0.2
1374885	Soil Pulp	23	0.32	68	0.004	2	1.44	0.003	0.11	<0.1	0.04	3.3	0.1	<0.05	5	0.7	<0.2
1374886	Soil Pulp	17	0.13	81	0.005	<1	0.84	0.003	0.08	<0.1	0.09	0.4	<0.1	0.06	4	0.7	<0.2
1374887	Soil Pulp	20	0.04	88	0.003	<1	0.45	0.002	0.07	<0.1	0.07	0.9	<0.1	0.10	2	0.8	<0.2
1374888	Soil Pulp	8	0.04	58	0.003	1	0.34	0.002	0.06	<0.1	0.04	0.5	<0.1	0.08	2	0.9	<0.2
1374889	Soil Pulp	15	0.04	106	0.003	<1	0.35	0.002	0.07	<0.1	0.02	0.4	<0.1	0.09	3	0.5	<0.2
1374890	Soil Pulp	13	0.13	73	0.007	1	0.65	0.002	0.06	0.1	0.06	1.0	<0.1	0.08	3	<0.5	<0.2
1374891	Soil Pulp	21	0.27	109	0.008	1	1.06	0.002	0.08	<0.1	0.04	1.5	<0.1	0.07	5	0.6	<0.2
1374892	Soil Pulp	17	0.29	112	0.010	2	0.80	0.003	0.11	<0.1	0.05	1.3	<0.1	0.14	3	0.6	<0.2
1374893	Soil Pulp	12	0.11	85	0.003	<1	0.68	0.002	0.07	<0.1	0.06	1.3	0.1	0.09	3	<0.5	<0.2
1374894	Soil Pulp	10	0.07	106	0.004	2	0.60	0.004	0.06	<0.1	0.04	1.4	0.1	0.21	2	0.7	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1374895	Soil Pulp	0.4	20.8	14.7	115	<0.1	15.1	6.8	77	1.45	14.2	<0.5	1.5	44	0.5	0.5	0.3	13	0.54	0.066
1374896	Soil Pulp	0.5	82.1	72.9	208	<0.1	54.3	25.8	264	2.26	105.2	<0.5	1.6	13	1.0	0.6	0.5	10	0.27	0.065
1374897	Soil Pulp	0.5	36.3	9.0	48	<0.1	31.4	14.1	100	2.52	79.0	0.6	2.0	9	<0.1	1.1	0.5	13	0.02	0.032
1374898	Soil Pulp	0.5	59.1	13.3	112	<0.1	30.1	17.8	2478	11.98	63.0	1.6	1.6	14	1.3	0.4	0.2	13	0.56	0.137
1374899	Soil Pulp	0.8	29.8	8.6	46	<0.1	18.8	5.9	94	1.89	9.5	4.3	0.5	28	0.5	0.5	0.2	31	0.24	0.098
1374900	Soil Pulp	0.5	25.7	25.4	78	<0.1	20.4	10.9	664	3.41	11.4	1.8	2.0	60	0.2	0.4	0.3	10	1.35	0.125



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1374895	Soil Pulp	8	0.06	238	0.002	4	0.43	0.002	0.05	<0.1	0.06	1.8	<0.1	0.19	1	0.8
1374896	Soil Pulp	6	0.06	138	<0.001	2	0.18	<0.001	0.06	<0.1	0.72	1.8	<0.1	0.07	1	<0.5
1374897	Soil Pulp	7	0.03	37	<0.001	<1	0.33	<0.001	0.04	<0.1	0.07	1.9	<0.1	<0.05	1	<0.5
1374898	Soil Pulp	9	0.27	94	0.003	2	0.53	0.002	0.03	<0.1	0.08	2.3	<0.1	0.10	1	1.0
1374899	Soil Pulp	11	0.07	131	0.009	2	0.59	0.004	0.04	<0.1	0.01	1.5	<0.1	0.15	2	1.5
1374900	Soil Pulp	12	0.06	52	0.002	2	0.59	0.002	0.04	<0.1	0.09	3.2	<0.1	0.10	1	1.3



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QUALITY CONTROL REPORT

VAN11004463.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1371632	Soil Pulp	2.7	45.4	16.5	78	0.1	37.1	15.4	618	3.63	48.3	2.5	2.6	21	0.1	0.9	0.3	25	0.29	0.047	6
REP 1371632	QC	2.6	46.0	16.3	84	<0.1	37.2	16.3	607	3.61	49.3	2.4	2.7	21	0.1	0.9	0.3	26	0.29	0.048	6
1371656	Soil Pulp	0.6	33.4	28.8	75	<0.1	19.8	14.3	834	3.37	14.4	1.1	0.9	15	<0.1	0.5	0.4	20	0.07	0.059	9
REP 1371656	QC	0.7	34.2	29.6	76	<0.1	20.2	14.5	844	3.32	14.5	0.6	0.8	14	0.1	0.6	0.4	20	0.07	0.056	7
1371662	Soil Pulp	0.7	53.7	28.2	76	0.2	52.2	28.9	389	3.79	69.7	1.9	5.6	18	<0.1	1.5	0.6	10	0.12	0.041	8
REP 1371662	QC	0.7	54.0	28.7	74	0.2	50.7	28.9	379	3.79	70.8	2.0	5.9	20	<0.1	1.6	0.6	8	0.14	0.044	8
1373575	Soil Pulp	0.8	118.3	16.6	83	0.2	54.0	27.6	746	4.61	52.1	4.4	0.4	29	0.3	2.5	0.2	25	2.00	0.087	3
REP 1373575	QC	0.8	117.4	16.9	83	0.2	53.5	27.4	749	4.55	51.0	3.5	0.5	30	0.2	2.4	0.2	24	2.03	0.087	3
1374164	Soil Pulp	0.5	28.0	15.5	58	<0.1	21.3	7.8	207	2.18	11.8	2.6	1.1	72	0.1	0.3	0.3	7	1.79	0.080	4
REP 1374164	QC	0.5	27.9	15.6	60	<0.1	21.3	7.7	199	2.16	12.5	3.6	1.4	70	0.1	0.4	0.3	7	1.73	0.079	4
1374626	Soil Pulp	0.6	155.2	50.9	108	<0.1	94.9	36.6	923	4.01	134.8	0.9	3.9	15	0.5	2.3	0.3	23	0.05	0.036	6
REP 1374626	QC	0.6	150.4	51.2	106	<0.1	92.2	36.2	914	3.90	131.0	1.1	3.7	13	0.5	2.3	0.3	22	0.05	0.036	5
1374635	Soil Pulp	0.6	39.3	15.5	61	<0.1	35.0	18.2	612	3.54	41.5	0.7	2.4	18	0.2	1.4	0.4	14	0.55	0.040	5
REP 1374635	QC	0.7	42.7	16.3	65	<0.1	37.6	19.9	677	3.85	44.6	1.4	2.6	20	0.2	1.4	0.3	15	0.61	0.044	5
1374873	Soil Pulp	0.7	54.9	16.6	64	0.1	25.2	11.8	401	2.15	11.1	4.4	2.3	70	0.3	0.4	0.2	14	1.59	0.063	19
REP 1374873	QC	0.6	55.0	16.1	65	0.1	26.0	12.0	395	2.16	10.6	3.5	2.2	76	0.3	0.4	0.2	14	1.63	0.065	20
Reference Materials																					
STD DS8	Standard	13.1	106.6	127.4	299	1.7	37.9	7.5	598	2.38	24.5	107.0	7.2	69	2.5	5.9	7.1	42	0.66	0.076	15
STD DS8	Standard	13.1	101.8	121.0	300	1.8	36.4	6.9	596	2.37	23.1	114.3	6.5	65	2.2	5.5	6.2	40	0.68	0.077	16
STD DS8	Standard	14.8	101.4	132.9	319	1.8	39.8	7.7	667	2.58	27.1	127.1	6.9	69	2.4	5.7	6.3	47	0.75	0.080	17
STD DS8	Standard	13.0	114.0	110.4	293	1.8	39.4	7.7	586	2.41	24.5	108.4	5.8	58	2.3	5.1	6.1	42	0.68	0.080	14
STD DS8	Standard	13.6	100.0	127.8	311	1.8	34.5	7.1	625	2.39	24.3	120.4	7.6	73	2.4	5.7	7.0	40	0.73	0.076	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: CCJV
Report Date: September 24, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004463.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1371632	Soil Pulp	13	0.22	59	0.004	<1	0.60	0.003	0.07	<0.1	0.20	3.9	<0.1	<0.05	2	<0.5	<0.2
REP 1371632	QC	14	0.22	59	0.004	<1	0.61	0.003	0.07	<0.1	0.22	4.1	<0.1	0.06	2	<0.5	<0.2
1371656	Soil Pulp	9	0.08	93	0.003	2	0.55	0.003	0.09	<0.1	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
REP 1371656	QC	8	0.07	91	0.003	<1	0.52	0.003	0.08	<0.1	0.04	1.3	<0.1	<0.05	2	<0.5	<0.2
1371662	Soil Pulp	6	0.05	54	0.001	2	0.25	0.002	0.09	<0.1	0.17	4.3	0.1	<0.05	<1	0.7	<0.2
REP 1371662	QC	6	0.05	55	<0.001	3	0.27	0.002	0.09	<0.1	0.18	4.3	0.1	<0.05	<1	<0.5	<0.2
1373575	Soil Pulp	12	0.09	54	<0.001	4	0.42	0.003	0.08	<0.1	0.43	7.5	<0.1	0.13	1	<0.5	<0.2
REP 1373575	QC	12	0.09	53	<0.001	3	0.45	0.003	0.08	<0.1	0.43	7.8	<0.1	0.12	1	0.6	<0.2
1374164	Soil Pulp	7	0.20	59	0.001	5	0.34	0.003	0.05	<0.1	0.21	1.9	<0.1	0.19	<1	<0.5	<0.2
REP 1374164	QC	7	0.21	62	0.002	7	0.37	0.003	0.07	<0.1	0.20	2.1	<0.1	0.25	<1	<0.5	<0.2
1374626	Soil Pulp	9	0.07	1647	0.002	3	0.43	0.002	0.08	<0.1	0.07	9.1	<0.1	<0.05	1	<0.5	<0.2
REP 1374626	QC	9	0.07	1514	0.002	3	0.39	0.002	0.07	<0.1	0.07	9.1	<0.1	<0.05	<1	<0.5	<0.2
1374635	Soil Pulp	12	0.17	89	0.002	2	0.66	0.002	0.05	<0.1	0.06	3.6	<0.1	0.05	2	<0.5	<0.2
REP 1374635	QC	13	0.18	95	0.002	2	0.68	0.002	0.05	<0.1	0.07	4.0	<0.1	0.06	2	<0.5	<0.2
1374873	Soil Pulp	13	0.51	269	0.003	3	0.79	0.003	0.07	<0.1	0.07	3.5	<0.1	0.06	2	0.9	<0.2
REP 1374873	QC	14	0.51	269	0.002	3	0.83	0.003	0.08	<0.1	0.08	3.5	<0.1	0.07	2	1.3	<0.2
Reference Materials																	
STD DS8	Standard	111	0.59	266	0.123	2	0.89	0.085	0.40	2.9	0.20	2.0	5.4	0.15	4	5.3	4.4
STD DS8	Standard	113	0.60	272	0.115	3	0.93	0.094	0.43	3.1	0.19	2.0	5.4	0.17	5	5.0	4.8
STD DS8	Standard	125	0.63	303	0.120	2	0.99	0.106	0.45	3.3	0.22	2.2	5.8	0.16	5	5.8	5.4
STD DS8	Standard	115	0.61	276	0.098	2	0.94	0.096	0.42	3.1	0.19	2.2	5.1	0.16	5	5.0	5.1
STD DS8	Standard	114	0.60	284	0.118	3	0.97	0.102	0.43	2.9	0.20	2.6	5.5	0.18	5	4.7	5.2
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List

Receiving Lab: Canada-Vancouver

Received: September 03, 2011

Report Date: September 28, 2011

Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN11004464.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-09
Number of Samples: 179

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	179	Sorting of samples on arrival and labeling			VAN
1DX2	179	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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Project:

CCJV

Report Date:

September 28, 2011

Page:

2 of 7

Part 1

CERTIFICATE OF ANALYSIS

VAN11004464.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1382535	Soil Pulp	1.3	36.7	24.7	49	0.3	19.0	23.4	1705	4.03	13.9	<0.5	0.2	12	0.2	0.7	0.3	44	0.14	0.132	6
1382536	Soil Pulp	0.8	38.8	31.7	66	<0.1	23.5	20.9	985	4.13	12.6	<0.5	0.4	14	0.3	0.7	0.3	33	0.22	0.106	8
1382537	Soil Pulp	2.4	41.2	37.6	60	<0.1	28.0	21.6	1688	3.19	21.0	1.7	0.4	25	0.3	1.3	0.3	29	0.45	0.098	6
1382538	Soil Pulp	1.4	29.2	21.3	75	<0.1	21.5	17.4	1591	2.91	16.6	1.4	1.3	13	0.5	0.9	0.3	39	0.20	0.056	8
1382539	Soil Pulp	1.2	29.4	20.8	66	<0.1	26.0	13.7	766	3.33	12.7	2.3	2.2	14	0.2	0.9	0.3	35	0.20	0.056	12
1382540	Soil Pulp	1.1	53.1	31.6	73	<0.1	34.5	28.1	1124	4.64	33.7	<0.5	2.4	11	0.2	1.0	0.3	26	0.21	0.082	10
1382560	Soil Pulp	3.1	33.2	55.8	34	0.3	17.7	7.4	144	2.24	92.5	2.2	2.2	30	<0.1	3.6	0.3	11	0.11	0.023	3
1382561	Soil Pulp	1.6	54.3	48.8	80	0.2	30.7	25.2	1378	3.88	22.8	1.9	2.1	10	<0.1	1.0	0.4	31	0.04	0.065	8
1382562	Soil Pulp	2.1	42.1	25.1	76	<0.1	29.7	14.5	321	4.05	23.3	1.8	2.9	20	0.1	1.1	0.4	16	0.10	0.060	7
1382563	Soil Pulp	1.9	38.9	23.7	63	<0.1	23.8	11.8	452	3.55	26.0	0.5	1.0	11	<0.1	1.0	0.4	21	0.08	0.076	4
1382564	Soil Pulp	0.6	40.0	22.9	72	<0.1	28.6	13.8	233	3.07	38.2	<0.5	2.4	16	<0.1	1.1	0.4	9	0.15	0.045	7
1382565	Soil Pulp	0.6	40.8	23.7	67	<0.1	32.4	16.8	395	3.25	33.7	<0.5	2.1	11	<0.1	0.9	0.4	10	0.06	0.040	6
1382566	Soil Pulp	0.5	25.2	18.1	39	<0.1	20.6	10.0	215	2.25	27.7	<0.5	2.1	13	<0.1	0.7	0.3	10	0.19	0.075	5
1382567	Soil Pulp	1.3	17.4	16.6	54	<0.1	17.0	6.7	308	2.70	21.0	0.9	0.6	11	0.1	0.7	0.3	40	0.13	0.052	10
1382568	Soil Pulp	1.0	29.3	22.3	80	<0.1	28.6	12.5	474	3.31	33.3	0.9	1.2	11	0.2	0.9	0.3	32	0.11	0.050	10
1382569	Soil Pulp	0.8	41.6	32.7	65	0.1	29.6	15.8	263	3.76	59.8	0.6	3.8	23	<0.1	2.0	0.6	7	0.10	0.046	7
1382570	Soil Pulp	4.9	58.9	30.5	106	<0.1	39.9	21.4	453	4.51	26.1	3.3	4.0	22	0.3	1.3	0.5	15	0.06	0.046	7
1382571	Soil Pulp	4.3	72.0	30.4	120	<0.1	42.7	23.1	529	5.64	36.3	3.6	2.4	11	0.2	1.4	0.5	16	0.02	0.055	6
1382572	Soil Pulp	1.3	33.0	19.2	79	<0.1	27.5	11.8	330	3.18	29.9	1.2	1.5	17	0.2	0.8	0.3	24	0.28	0.084	7
1382573	Soil Pulp	1.1	38.3	17.9	74	0.2	24.3	10.6	248	3.45	26.4	0.9	0.8	8	<0.1	0.7	0.3	22	0.03	0.058	6
1382574	Soil Pulp	1.6	32.6	17.7	70	0.2	23.1	9.9	279	3.13	18.7	1.6	1.2	12	<0.1	0.7	0.3	25	0.10	0.083	5
1382575	Soil Pulp	1.4	28.4	15.9	62	<0.1	19.5	9.4	292	3.15	22.4	<0.5	0.3	7	0.2	0.9	0.3	36	0.04	0.045	7
1382576	Soil Pulp	1.2	27.7	15.5	132	0.4	27.8	9.9	387	3.14	15.5	0.7	1.9	22	0.3	0.6	0.2	41	0.33	0.112	12
1382577	Soil Pulp	1.3	26.5	19.2	85	<0.1	23.2	11.7	515	3.32	21.4	<0.5	1.1	15	0.2	0.8	0.3	44	0.20	0.087	9
1382578	Soil Pulp	0.9	35.2	13.3	51	0.2	25.1	12.0	357	3.07	40.6	1.3	1.3	21	0.1	0.8	0.2	27	0.47	0.078	8
1382579	Soil Pulp	1.0	30.2	13.6	87	0.3	29.5	10.8	367	2.67	25.4	0.9	2.3	23	0.2	0.9	0.2	37	0.43	0.065	11
1382580	Soil Pulp	1.9	17.7	15.5	54	<0.1	23.5	9.9	397	3.70	12.9	1.8	0.3	7	0.2	0.8	0.2	54	0.07	0.066	13
1382581	Soil Pulp	1.2	34.8	16.9	55	<0.1	22.3	12.0	1044	5.66	47.8	<0.5	0.3	8	0.2	1.1	0.2	51	0.11	0.085	7
1382582	Soil Pulp	1.5	15.4	16.0	58	<0.1	13.4	6.3	487	3.21	13.8	1.3	0.3	9	<0.1	0.9	0.3	64	0.11	0.056	11
1382583	Soil Pulp	1.2	20.9	13.5	72	<0.1	20.4	8.3	367	3.22	17.8	<0.5	0.5	8	0.2	0.9	0.2	49	0.09	0.050	12



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Project: CCJV
Report Date: September 28, 2011

Page: 2 of 7 **Part** 2

CERTIFICATE OF ANALYSIS

VAN11004464.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382535	Soil Pulp	20	0.19	179	0.006	1	0.93	0.003	0.09	<0.1	0.04	0.9	<0.1	0.07	5	0.7	<0.2
1382536	Soil Pulp	26	0.36	74	0.007	2	1.18	0.003	0.10	<0.1	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1382537	Soil Pulp	11	0.05	174	0.005	2	0.56	0.003	0.07	<0.1	0.04	1.9	0.2	0.06	3	<0.5	<0.2
1382538	Soil Pulp	16	0.16	308	0.005	1	0.95	0.003	0.08	<0.1	0.04	2.2	0.1	<0.05	4	<0.5	<0.2
1382539	Soil Pulp	21	0.34	116	0.011	2	1.08	0.004	0.12	0.1	0.04	3.4	0.1	<0.05	3	0.7	<0.2
1382540	Soil Pulp	17	0.21	114	0.004	2	0.95	0.003	0.11	<0.1	0.05	6.5	0.1	<0.05	3	0.6	<0.2
1382560	Soil Pulp	3	0.04	79	0.001	2	0.18	0.002	0.07	<0.1	0.53	2.6	0.2	0.05	<1	0.9	<0.2
1382561	Soil Pulp	17	0.37	73	0.008	1	1.07	0.004	0.06	<0.1	0.08	3.6	0.2	<0.05	4	0.9	<0.2
1382562	Soil Pulp	14	0.37	132	0.001	2	0.93	0.003	0.07	<0.1	0.07	3.7	<0.1	<0.05	3	<0.5	<0.2
1382563	Soil Pulp	12	0.09	77	0.002	<1	0.69	0.002	0.06	<0.1	0.05	2.2	0.1	<0.05	3	<0.5	<0.2
1382564	Soil Pulp	6	0.06	62	0.001	2	0.33	0.002	0.07	<0.1	0.08	3.0	<0.1	<0.05	<1	<0.5	<0.2
1382565	Soil Pulp	7	0.05	40	0.001	2	0.30	0.002	0.06	<0.1	0.08	3.3	<0.1	<0.05	1	<0.5	<0.2
1382566	Soil Pulp	6	0.05	88	0.001	1	0.45	0.003	0.07	<0.1	0.06	2.7	<0.1	0.05	2	<0.5	<0.2
1382567	Soil Pulp	20	0.23	105	0.012	1	1.09	0.003	0.06	<0.1	0.06	1.4	0.1	<0.05	5	<0.5	<0.2
1382568	Soil Pulp	18	0.26	75	0.012	2	1.05	0.004	0.07	<0.1	0.07	2.2	0.1	<0.05	3	0.8	<0.2
1382569	Soil Pulp	4	0.05	38	<0.001	1	0.23	0.002	0.07	<0.1	0.24	3.1	<0.1	<0.05	<1	<0.5	<0.2
1382570	Soil Pulp	8	0.06	37	0.002	<1	0.30	0.002	0.05	<0.1	0.23	4.0	0.1	<0.05	1	0.9	<0.2
1382571	Soil Pulp	9	0.12	44	0.001	1	0.54	0.002	0.06	<0.1	0.15	3.8	0.1	<0.05	2	0.8	<0.2
1382572	Soil Pulp	14	0.27	137	0.004	2	0.92	0.003	0.09	<0.1	0.07	2.8	0.1	<0.05	3	<0.5	<0.2
1382573	Soil Pulp	10	0.06	58	0.003	2	0.59	0.002	0.07	<0.1	0.04	1.8	0.1	<0.05	2	<0.5	<0.2
1382574	Soil Pulp	13	0.13	94	0.002	1	1.00	0.004	0.09	<0.1	0.06	2.9	0.2	<0.05	3	0.8	<0.2
1382575	Soil Pulp	12	0.07	72	0.008	1	0.67	0.002	0.05	0.1	0.05	1.3	0.1	<0.05	4	<0.5	<0.2
1382576	Soil Pulp	27	0.46	207	0.010	2	1.72	0.006	0.09	0.1	0.15	4.0	0.2	<0.05	5	1.0	<0.2
1382577	Soil Pulp	23	0.35	193	0.008	2	1.42	0.004	0.08	<0.1	0.05	2.8	0.2	<0.05	5	0.9	<0.2
1382578	Soil Pulp	18	0.28	145	0.006	1	0.91	0.003	0.06	<0.1	0.21	4.1	<0.1	<0.05	3	0.8	<0.2
1382579	Soil Pulp	24	0.47	199	0.009	2	1.32	0.007	0.08	0.1	0.25	4.0	0.1	<0.05	4	<0.5	<0.2
1382580	Soil Pulp	27	0.37	95	0.014	2	1.55	0.003	0.08	<0.1	0.05	1.2	0.2	<0.05	7	<0.5	<0.2
1382581	Soil Pulp	16	0.12	152	0.009	1	0.82	0.003	0.05	<0.1	0.30	1.1	0.1	<0.05	5	0.5	<0.2
1382582	Soil Pulp	23	0.21	94	0.023	1	1.22	0.003	0.06	0.1	0.04	1.0	0.2	<0.05	7	0.6	<0.2
1382583	Soil Pulp	26	0.37	103	0.014	2	1.56	0.004	0.05	0.2	0.06	1.6	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1382584	Soil Pulp	1.0	36.7	18.6	80	0.1	31.0	13.3	2455	17.06	181.8	4.2	1.7	15	0.4	2.3	0.3	32	0.63	0.094	7
1382585	Soil Pulp	0.9	43.8	19.7	70	0.1	32.6	15.2	1810	11.24	143.2	3.0	1.2	13	0.3	2.0	0.4	35	0.55	0.081	6
1382586	Soil Pulp	0.9	48.5	22.2	67	0.2	39.3	16.9	3123	18.27	188.6	5.9	1.5	22	0.3	2.8	0.3	26	1.10	0.095	6
1382587	Soil Pulp	0.8	36.7	21.4	59	0.2	42.8	17.3	5427	30.58	127.8	5.0	1.6	64	0.4	2.1	0.2	20	4.02	0.088	7
1382588	Soil Pulp	0.8	194.8	18.8	81	0.2	58.7	38.6	1107	7.06	99.1	3.7	2.0	13	0.2	1.3	0.4	38	0.20	0.046	4
1382589	Soil Pulp	2.6	103.7	48.8	42	0.4	58.5	28.6	1226	5.13	133.7	3.9	3.5	21	0.1	3.7	0.7	28	0.40	0.036	3
1382590	Soil Pulp	0.5	247.7	19.6	144	0.2	68.7	37.2	2187	11.31	21.4	4.6	1.0	21	1.6	0.7	0.2	140	0.81	0.093	5
1382591	Soil Pulp	0.7	134.5	31.3	61	0.3	56.3	33.4	1247	5.74	166.4	4.6	2.0	20	0.5	2.2	0.5	31	0.67	0.073	3
1382715	Soil Pulp	0.5	36.1	45.0	77	0.1	23.7	18.5	1026	3.08	21.4	1.0	2.3	15	<0.1	0.4	0.4	9	0.23	0.082	5
1382716	Soil Pulp	0.4	39.1	9.8	25	<0.1	34.7	19.8	274	2.30	64.5	1.1	2.6	9	<0.1	0.5	0.4	6	0.12	0.028	4
1382717	Soil Pulp	1.2	29.1	15.5	70	0.1	20.8	9.9	531	2.39	27.0	<0.5	0.3	14	0.3	0.6	0.3	26	0.16	0.101	6
1382718	Soil Pulp	0.8	38.7	24.1	65	<0.1	34.3	30.3	844	2.92	80.9	3.4	2.1	13	0.3	0.8	0.5	23	0.09	0.056	10
1382719	Soil Pulp	0.7	31.5	13.1	101	<0.1	23.0	11.5	107	2.07	51.7	1.5	0.9	9	0.5	0.6	0.3	16	0.02	0.051	5
1382720	Soil Pulp	0.6	34.8	40.0	185	<0.1	27.5	16.1	289	3.21	64.4	0.8	2.8	14	0.6	0.9	0.5	9	0.06	0.029	6
1382721	Soil Pulp	0.7	15.5	8.2	49	<0.1	21.7	9.8	2970	10.45	20.7	1.1	1.2	16	0.2	0.3	0.2	17	0.30	0.088	5
1382722	Soil Pulp	0.8	28.5	34.3	81	<0.1	27.6	12.2	1040	5.87	27.8	<0.5	1.9	23	0.5	0.4	0.3	23	0.47	0.096	6
1382723	Soil Pulp	0.5	24.9	24.2	108	<0.1	25.9	11.9	307	3.25	36.1	1.1	1.8	27	0.3	1.2	0.4	14	0.56	0.060	5
1382724	Soil Pulp	0.6	28.5	24.1	52	0.1	25.0	16.1	573	3.94	45.8	0.8	2.0	18	0.1	0.7	0.5	14	0.17	0.064	6
1382725	Soil Pulp	0.7	41.0	27.6	58	0.1	30.1	13.4	472	3.56	42.6	2.9	3.0	42	0.1	1.6	0.5	8	0.29	0.070	6
1382726	Soil Pulp	1.2	67.2	24.1	92	0.1	37.0	13.4	311	3.79	24.9	2.3	1.5	30	<0.1	0.6	0.4	5	0.20	0.089	4
1382727	Soil Pulp	0.4	31.2	15.1	84	<0.1	21.7	9.2	433	2.41	4.4	<0.5	2.1	95	0.4	0.4	0.2	10	4.30	0.071	8
1382728	Soil Pulp	0.9	33.5	31.0	88	<0.1	27.0	14.6	584	3.20	11.4	1.6	1.6	38	0.2	0.6	0.3	20	0.33	0.036	8
1382729	Soil Pulp	1.4	22.9	19.9	100	<0.1	18.1	10.3	1060	2.65	11.3	1.3	0.3	14	0.3	0.6	0.4	30	0.09	0.070	7
1382730	Soil Pulp	1.1	39.4	37.3	89	<0.1	25.9	14.1	484	2.94	38.6	1.8	0.3	9	0.4	1.5	0.4	30	0.03	0.049	7
1382731	Soil Pulp	1.0	70.5	89.1	329	0.1	63.6	24.2	355	2.65	153.0	1.2	2.4	18	0.7	1.5	0.4	37	0.35	0.084	6
1382732	Soil Pulp	1.3	56.8	27.9	231	<0.1	44.8	16.7	209	1.30	84.1	1.1	1.6	7	0.2	2.5	0.4	13	0.02	0.022	3
1382733	Soil Pulp	2.6	67.1	77.0	37	0.1	60.0	19.5	359	5.79	124.2	1.7	2.0	25	<0.1	21.1	0.5	16	0.02	0.069	3
1382734	Soil Pulp	1.3	21.5	30.9	79	0.2	18.5	7.0	282	2.72	27.7	1.5	0.2	10	0.2	2.2	0.3	43	0.04	0.055	10
1382735	Soil Pulp	1.4	41.1	28.1	67	0.7	34.1	14.9	359	3.41	52.1	1.5	0.3	16	0.2	5.3	0.4	43	0.04	0.059	8
1382737	Soil Pulp	1.6	69.2	44.2	114	<0.1	48.4	38.0	1883	6.21	107.0	1.2	2.5	16	0.4	4.6	0.4	25	0.04	0.069	4



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382584	Soil Pulp	16	0.46	146	0.008	4	0.95	0.004	0.07	0.1	1.70	3.7	0.2	<0.05	3	0.8	<0.2
1382585	Soil Pulp	15	0.30	118	0.010	5	0.83	0.003	0.07	<0.1	1.29	3.8	0.1	<0.05	3	0.5	<0.2
1382586	Soil Pulp	12	0.38	160	0.004	4	0.59	0.002	0.06	<0.1	1.85	5.1	0.1	<0.05	2	0.7	<0.2
1382587	Soil Pulp	10	0.70	198	0.004	4	0.38	0.002	0.04	<0.1	1.41	3.8	0.1	<0.05	<1	0.6	<0.2
1382588	Soil Pulp	13	0.10	72	0.003	6	0.35	0.003	0.12	<0.1	0.48	12.2	<0.1	<0.05	1	<0.5	<0.2
1382589	Soil Pulp	13	0.09	111	0.003	6	0.42	0.003	0.12	<0.1	0.81	7.3	<0.1	<0.05	2	<0.5	<0.2
1382590	Soil Pulp	49	0.45	125	0.002	5	0.96	0.005	0.08	<0.1	0.10	18.4	<0.1	<0.05	3	<0.5	<0.2
1382591	Soil Pulp	15	0.11	199	0.002	5	0.43	0.002	0.14	<0.1	0.78	7.5	0.1	0.06	2	<0.5	0.3
1382715	Soil Pulp	9	0.11	122	0.002	3	0.47	0.003	0.10	<0.1	0.03	2.3	<0.1	<0.05	1	<0.5	<0.2
1382716	Soil Pulp	4	0.04	40	<0.001	2	0.24	0.002	0.07	<0.1	0.02	1.9	<0.1	<0.05	<1	<0.5	<0.2
1382717	Soil Pulp	10	0.08	88	0.005	2	0.66	0.008	0.08	<0.1	0.10	0.7	<0.1	0.09	3	<0.5	<0.2
1382718	Soil Pulp	12	0.16	161	0.008	2	0.76	0.003	0.10	<0.1	0.05	2.3	0.1	<0.05	3	<0.5	<0.2
1382719	Soil Pulp	7	0.03	47	0.002	2	0.39	0.003	0.07	<0.1	0.10	1.2	<0.1	<0.05	2	<0.5	<0.2
1382720	Soil Pulp	7	0.04	369	0.001	3	0.38	0.002	0.08	<0.1	0.35	3.5	<0.1	<0.05	1	<0.5	<0.2
1382721	Soil Pulp	11	0.18	82	0.007	2	0.62	0.005	0.05	<0.1	0.12	3.7	<0.1	0.06	2	<0.5	<0.2
1382722	Soil Pulp	11	0.15	73	0.007	2	0.80	0.004	0.08	<0.1	0.09	3.0	<0.1	<0.05	3	<0.5	<0.2
1382723	Soil Pulp	8	0.11	53	0.003	3	0.48	0.003	0.09	<0.1	0.93	2.0	<0.1	0.05	2	<0.5	<0.2
1382724	Soil Pulp	7	0.06	54	0.005	2	0.49	0.002	0.09	<0.1	0.04	2.2	<0.1	<0.05	2	<0.5	<0.2
1382725	Soil Pulp	7	0.06	64	0.001	3	0.34	0.004	0.13	<0.1	0.19	3.1	<0.1	0.15	<1	0.7	<0.2
1382726	Soil Pulp	5	0.04	41	0.001	2	0.31	0.002	0.08	<0.1	0.26	2.1	0.1	0.05	<1	1.3	<0.2
1382727	Soil Pulp	10	1.54	63	0.002	3	0.36	0.005	0.07	<0.1	0.03	4.0	<0.1	<0.05	<1	0.6	<0.2
1382728	Soil Pulp	14	0.24	96	0.005	3	0.76	0.003	0.07	<0.1	0.06	2.0	<0.1	<0.05	2	<0.5	<0.2
1382729	Soil Pulp	13	0.07	139	0.008	2	0.60	0.004	0.09	<0.1	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1382730	Soil Pulp	13	0.08	282	0.015	2	0.70	0.002	0.07	<0.1	0.06	1.0	<0.1	<0.05	3	<0.5	<0.2
1382731	Soil Pulp	19	0.22	3832	0.004	4	1.39	0.004	0.08	<0.1	0.11	3.8	<0.1	<0.05	3	<0.5	<0.2
1382732	Soil Pulp	6	0.01	177	0.003	2	0.25	0.002	0.08	<0.1	0.08	3.3	<0.1	<0.05	1	<0.5	<0.2
1382733	Soil Pulp	6	0.03	241	0.002	3	0.37	0.002	0.09	<0.1	0.38	4.1	0.1	<0.05	1	0.7	<0.2
1382734	Soil Pulp	22	0.21	176	0.011	1	1.12	0.003	0.05	0.1	0.21	1.0	0.1	<0.05	5	<0.5	<0.2
1382735	Soil Pulp	15	0.09	172	0.010	2	0.78	0.003	0.06	<0.1	0.19	1.5	0.2	<0.05	4	<0.5	<0.2
1382737	Soil Pulp	9	0.07	180	0.002	2	0.50	0.002	0.10	<0.1	0.39	8.2	0.1	<0.05	2	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1382738	Soil Pulp	1.0	68.2	17.2	57	0.1	44.8	25.9	1209	3.94	58.2	<0.5	1.8	8	0.2	3.5	0.4	19	0.12	0.041
1382739	Soil Pulp	0.5	52.7	22.6	34	<0.1	36.9	16.1	1118	3.86	56.1	1.3	6.8	10	0.1	0.6	0.2	46	0.21	0.052
1382740	Soil Pulp	0.5	50.9	18.2	61	<0.1	29.5	12.8	214	3.53	55.2	2.1	3.3	6	0.6	0.8	0.2	20	0.06	0.035
1382741	Soil Pulp	1.5	47.6	88.6	111	0.4	37.1	16.1	374	3.88	57.1	2.0	0.6	13	0.5	6.5	0.4	37	0.03	0.054
1382742	Soil Pulp	1.1	24.9	12.7	50	<0.1	18.8	8.4	241	2.75	30.1	2.0	0.9	8	0.2	0.9	0.4	37	0.03	0.044
1382743	Soil Pulp	1.0	30.6	16.3	64	<0.1	22.7	11.5	394	3.48	32.3	<0.5	0.8	9	0.1	0.9	0.4	39	0.08	0.044
1382744	Soil Pulp	0.8	33.8	20.2	74	<0.1	26.6	16.3	323	3.10	29.7	1.8	0.9	8	0.2	0.9	0.4	27	0.02	0.044
1382745	Soil Pulp	0.9	6.6	11.7	37	<0.1	9.3	7.5	891	3.56	18.1	1.4	1.8	7	0.1	0.5	0.3	36	0.02	0.043
1382746	Soil Pulp	0.9	51.0	25.4	86	<0.1	34.6	19.5	488	2.98	30.7	2.4	3.6	20	<0.1	1.1	0.5	24	0.18	0.054
1382747	Soil Pulp	1.1	29.7	13.9	84	0.1	25.2	11.0	414	2.72	15.7	4.2	2.5	20	0.2	1.1	0.2	42	0.27	0.069
1382748	Soil Pulp	1.3	23.0	20.9	84	<0.1	12.6	6.1	257	2.67	13.1	1.0	0.6	7	0.2	0.8	0.3	62	0.03	0.038
1382749	Soil Pulp	1.0	43.6	47.4	132	<0.1	26.3	18.6	1065	4.67	21.8	2.0	1.3	8	0.4	0.9	0.3	40	0.04	0.064
1382750	Soil Pulp	0.9	39.1	65.0	208	0.2	28.1	17.1	1587	3.78	19.7	2.7	1.1	17	0.8	0.9	0.3	40	0.39	0.127
1382751	Soil Pulp	1.0	34.2	22.9	83	0.1	13.2	12.1	1041	3.45	12.8	1.3	0.2	8	0.1	0.6	0.3	35	0.04	0.118
1382752	Soil Pulp	1.1	38.4	36.0	85	<0.1	27.3	12.6	422	3.60	33.3	1.4	0.8	9	0.2	1.3	0.5	35	0.04	0.067
1382934	Soil Pulp	0.8	22.9	16.6	62	0.3	21.1	10.5	360	2.94	12.2	2.0	2.0	8	0.1	0.5	0.3	31	0.05	0.033
1382935	Soil Pulp	0.8	23.4	14.9	52	<0.1	19.3	9.0	185	2.35	18.9	3.2	0.8	8	<0.1	0.5	0.3	32	0.04	0.033
1382936	Soil Pulp	0.7	19.9	13.5	43	<0.1	17.8	9.2	140	2.26	22.1	1.6	1.8	10	<0.1	0.5	0.3	28	0.11	0.042
1382937	Soil Pulp	0.7	27.3	17.7	82	<0.1	26.1	12.9	344	2.85	31.6	1.7	1.7	16	0.2	0.8	0.3	21	0.18	0.045
1382938	Soil Pulp	0.6	32.1	20.0	75	<0.1	28.8	11.0	270	2.84	17.7	1.6	2.1	38	0.2	0.5	0.3	16	0.94	0.074
1382939	Soil Pulp	1.0	30.7	17.8	69	<0.1	19.0	8.8	449	2.78	17.5	1.6	0.2	10	0.1	0.7	0.3	25	0.02	0.061
1382940	Soil Pulp	0.4	31.6	18.0	88	<0.1	39.4	13.4	581	3.35	10.4	1.9	2.8	33	0.1	0.4	0.3	13	0.89	0.083
1382941	Soil Pulp	0.9	33.3	29.0	118	0.9	40.2	17.3	1074	3.75	17.5	3.0	3.5	12	0.4	0.8	0.3	29	0.24	0.056
1382942	Soil Pulp	0.9	25.0	19.2	88	<0.1	24.5	11.1	820	4.31	23.1	1.7	1.2	18	0.3	0.7	0.3	37	0.25	0.086
1382943	Soil Pulp	0.4	54.0	9.2	54	<0.1	22.0	17.7	1158	6.47	34.6	0.9	0.8	12	0.2	0.4	0.1	31	0.59	0.118
1382944	Soil Pulp	2.3	71.9	26.8	64	0.1	30.7	17.9	509	3.40	34.1	2.7	2.4	22	<0.1	1.8	0.5	10	0.30	0.026
1382945	Soil Pulp	3.2	114.2	60.2	82	0.3	79.6	47.0	2510	5.91	83.0	6.3	3.9	31	0.2	5.4	0.6	11	0.34	0.037
1382946	Soil Pulp	7.1	114.4	54.6	103	0.2	43.5	24.4	613	5.85	26.3	3.9	2.9	28	<0.1	1.7	0.6	16	0.21	0.027
1382947	Soil Pulp	1.0	27.4	18.9	57	<0.1	21.3	12.6	342	3.36	38.8	0.6	1.3	8	0.2	0.8	0.3	39	0.05	0.034
1382948	Soil Pulp	1.0	35.2	12.7	51	<0.1	24.5	18.4	536	2.94	42.0	3.3	1.2	11	0.2	0.6	0.3	33	0.20	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382738	Soil Pulp	8	0.06	186	<0.001	1	0.40	0.002	0.07	<0.1	0.06	7.0	<0.1	<0.05	1	<0.5	<0.2
1382739	Soil Pulp	16	0.10	432	0.002	4	0.37	0.003	0.06	<0.1	0.08	6.9	<0.1	<0.05	<1	<0.5	<0.2
1382740	Soil Pulp	7	0.05	250	0.001	2	0.24	0.001	0.06	<0.1	0.11	7.1	<0.1	<0.05	<1	<0.5	<0.2
1382741	Soil Pulp	14	0.13	131	0.012	2	0.79	0.003	0.06	<0.1	0.39	2.5	0.2	<0.05	3	0.9	<0.2
1382742	Soil Pulp	16	0.16	77	0.007	2	1.07	0.003	0.06	0.1	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1382743	Soil Pulp	19	0.20	55	0.009	2	0.92	0.003	0.07	0.1	0.06	1.6	<0.1	<0.05	4	<0.5	<0.2
1382744	Soil Pulp	14	0.14	68	0.003	2	0.73	0.002	0.05	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1382745	Soil Pulp	14	0.07	37	0.009	1	0.75	0.002	0.03	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1382746	Soil Pulp	15	0.25	118	0.005	2	0.76	0.004	0.06	<0.1	0.05	4.0	<0.1	<0.05	2	<0.5	<0.2
1382747	Soil Pulp	24	0.36	244	0.018	1	1.07	0.007	0.06	0.2	0.10	3.4	<0.1	<0.05	3	<0.5	<0.2
1382748	Soil Pulp	17	0.11	129	0.015	2	0.93	0.003	0.05	0.2	0.08	1.4	0.1	<0.05	6	<0.5	<0.2
1382749	Soil Pulp	25	0.28	94	0.007	2	1.17	0.003	0.06	<0.1	0.06	3.1	0.1	<0.05	4	<0.5	<0.2
1382750	Soil Pulp	25	0.33	381	0.007	2	1.23	0.004	0.08	<0.1	0.13	3.7	0.1	0.06	4	<0.5	<0.2
1382751	Soil Pulp	16	0.09	83	0.004	<1	0.63	0.004	0.06	<0.1	0.03	0.9	<0.1	0.06	3	<0.5	<0.2
1382752	Soil Pulp	16	0.18	55	0.005	2	0.73	0.003	0.06	<0.1	0.05	2.1	0.1	<0.05	3	<0.5	<0.2
1382934	Soil Pulp	19	0.23	54	0.008	1	0.93	0.004	0.07	0.1	0.04	2.1	0.1	<0.05	3	<0.5	<0.2
1382935	Soil Pulp	16	0.19	47	0.008	1	0.82	0.004	0.06	0.1	0.05	1.4	0.1	<0.05	3	<0.5	<0.2
1382936	Soil Pulp	15	0.17	51	0.003	1	0.90	0.003	0.10	<0.1	0.05	1.5	0.1	<0.05	3	<0.5	<0.2
1382937	Soil Pulp	12	0.15	73	0.004	2	0.59	0.003	0.07	<0.1	0.05	2.1	<0.1	<0.05	2	<0.5	<0.2
1382938	Soil Pulp	14	0.17	79	0.003	2	0.62	0.003	0.07	<0.1	0.10	4.7	<0.1	0.14	2	<0.5	<0.2
1382939	Soil Pulp	12	0.11	59	0.004	1	0.68	0.003	0.07	<0.1	0.03	0.5	0.1	0.06	3	<0.5	<0.2
1382940	Soil Pulp	14	0.15	64	0.001	2	0.52	0.002	0.06	<0.1	0.07	5.5	<0.1	0.10	2	<0.5	<0.2
1382941	Soil Pulp	24	0.30	171	0.004	2	1.68	0.004	0.07	<0.1	0.18	3.6	0.1	0.06	3	<0.5	<0.2
1382942	Soil Pulp	22	0.30	179	0.009	2	1.11	0.004	0.07	0.1	0.10	3.1	<0.1	<0.05	3	<0.5	<0.2
1382943	Soil Pulp	10	0.14	49	0.003	1	0.52	0.003	0.08	<0.1	0.05	5.6	<0.1	0.08	2	<0.5	<0.2
1382944	Soil Pulp	6	0.04	24	<0.001	3	0.29	0.002	0.08	<0.1	0.60	6.5	0.1	0.06	<1	1.0	0.3
1382945	Soil Pulp	6	0.08	61	<0.001	2	0.29	0.003	0.10	<0.1	1.30	10.0	0.3	0.09	<1	1.9	0.3
1382946	Soil Pulp	14	0.15	41	<0.001	3	0.45	0.004	0.12	<0.1	0.62	8.3	0.2	0.19	2	0.8	0.3
1382947	Soil Pulp	16	0.16	76	0.009	1	0.93	0.004	0.07	<0.1	0.04	2.4	0.1	<0.05	4	<0.5	<0.2
1382948	Soil Pulp	15	0.19	78	0.006	<1	0.77	0.003	0.08	<0.1	0.10	2.8	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1382949	Soil Pulp	0.9	50.7	14.0	82	0.2	30.0	17.4	624	3.69	55.5	1.6	1.4	23	0.3	1.0	0.3	24	0.39	0.064
1382950	Soil Pulp	1.3	48.1	26.7	44	0.1	38.5	22.9	423	3.74	52.7	2.2	2.8	14	<0.1	2.0	0.4	24	0.24	0.064
1382951	Soil Pulp	1.4	29.6	21.5	75	0.1	24.3	11.9	372	4.04	23.1	1.3	1.4	10	0.2	0.9	0.3	44	0.06	0.047
1382952	Soil Pulp	1.1	24.1	18.8	78	<0.1	16.3	7.6	219	2.82	19.8	0.5	0.3	10	0.2	0.7	0.3	38	0.07	0.043
1382953	Soil Pulp	1.0	24.1	26.3	67	<0.1	16.4	10.8	1090	3.12	17.2	0.8	0.4	6	0.3	0.6	0.3	33	0.03	0.073
1382954	Soil Pulp	1.1	19.8	22.7	147	0.1	14.5	14.9	4297	2.56	10.4	<0.5	0.1	12	1.8	0.6	0.3	42	0.10	0.098
1382955	Soil Pulp	1.0	31.2	32.7	81	0.1	21.7	15.2	720	3.11	26.0	1.0	0.4	18	0.5	0.6	0.4	14	0.07	0.091
1382956	Soil Pulp	2.0	44.4	27.2	88	0.1	26.5	17.0	1873	3.81	18.3	1.3	0.3	10	0.3	0.8	0.4	27	0.02	0.097
1382957	Soil Pulp	1.3	25.4	16.9	66	<0.1	16.6	9.2	668	2.50	17.6	1.1	0.2	8	0.2	0.7	0.4	27	0.02	0.085
1382958	Soil Pulp	1.0	19.5	17.4	60	<0.1	15.7	8.1	486	2.18	22.0	0.5	0.2	7	<0.1	0.9	0.3	33	0.03	0.072
1382965	Soil Pulp	0.7	42.6	38.2	113	<0.1	32.7	22.0	958	4.04	10.0	1.1	1.8	11	0.1	0.4	0.4	18	0.03	0.058
1382966	Soil Pulp	1.1	37.5	34.0	95	<0.1	34.0	16.9	457	4.35	33.5	1.6	0.4	25	<0.1	1.0	0.5	18	0.02	0.108
1382967	Soil Pulp	8.9	85.6	39.0	126	0.4	62.4	30.7	3052	5.99	28.7	3.6	2.8	31	0.5	1.8	0.5	23	0.24	0.106
1382968	Soil Pulp	5.2	53.0	28.4	96	<0.1	27.1	16.4	568	5.02	32.8	2.7	1.7	18	0.2	1.3	0.5	23	0.02	0.092
1382969	Soil Pulp	1.7	33.4	25.7	71	<0.1	18.9	13.4	769	3.36	19.5	1.4	0.7	8	0.1	0.9	0.4	24	0.01	0.059
1382970	Soil Pulp	1.1	28.8	22.7	80	<0.1	21.0	12.1	940	2.93	21.2	1.8	0.3	8	0.2	0.8	0.3	27	0.02	0.067
1382971	Soil Pulp	2.1	37.2	22.5	91	0.2	24.3	11.7	315	3.25	24.4	1.3	1.5	32	0.2	0.7	0.4	15	0.47	0.071
1382972	Soil Pulp	0.7	37.2	25.5	83	<0.1	22.6	10.4	380	3.12	28.2	1.4	0.9	7	0.1	0.6	0.3	11	0.05	0.073
1382973	Soil Pulp	1.3	45.6	24.9	79	0.1	32.5	16.6	534	3.43	23.2	1.7	1.9	36	0.2	0.7	0.4	12	0.32	0.058
1382974	Soil Pulp	1.2	76.5	31.8	81	0.1	38.6	19.7	539	3.79	37.4	3.7	1.2	20	0.2	4.2	0.3	21	0.17	0.062
1382975	Soil Pulp	1.0	33.2	16.1	51	0.1	25.1	12.2	353	2.87	28.2	2.6	0.4	7	<0.1	0.9	0.3	29	0.04	0.053
1382976	Soil Pulp	0.8	26.5	12.9	42	0.3	18.2	6.7	145	2.16	13.0	2.8	0.2	10	<0.1	0.7	0.2	33	0.12	0.060
1382977	Soil Pulp	1.3	44.3	21.1	84	0.2	26.7	14.8	518	3.08	23.7	1.2	1.5	17	0.2	0.9	0.3	20	0.15	0.069
1382978	Soil Pulp	0.8	39.0	15.5	74	0.1	24.5	16.5	473	3.14	57.5	2.4	1.0	16	0.2	0.8	0.2	23	0.28	0.074
1382979	Soil Pulp	2.3	94.4	27.5	94	<0.1	54.2	33.9	1422	4.72	49.1	4.1	2.5	21	0.2	1.9	0.4	8	0.30	0.032
1382980	Soil Pulp	2.6	80.1	26.1	99	0.2	44.5	26.7	1070	4.09	31.8	3.8	1.4	44	0.1	1.4	0.4	10	0.84	0.043
1382981	Soil Pulp	0.6	32.1	20.0	88	0.1	30.0	12.4	502	2.76	20.0	2.3	1.9	46	0.3	0.6	0.3	15	1.11	0.068
1383025	Soil Pulp	1.7	66.2	26.9	78	<0.1	37.3	27.2	1590	4.33	42.2	2.5	1.0	14	0.3	1.5	0.3	29	0.33	0.074
1383026	Soil Pulp	1.7	68.2	20.9	70	0.1	27.9	14.0	941	5.64	35.7	1.2	1.4	43	0.2	1.9	0.3	31	0.67	0.113
1383027	Soil Pulp	1.2	64.7	28.9	114	0.2	36.5	21.1	768	4.28	72.0	3.4	1.1	50	0.3	1.4	0.4	16	0.99	0.080



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382949	Soil Pulp	13	0.22	86	0.003	2	0.56	0.003	0.08	<0.1	0.29	4.2	0.1	0.08	2	0.7	<0.2
1382950	Soil Pulp	14	0.24	56	0.003	2	0.81	0.003	0.11	<0.1	0.10	6.8	<0.1	<0.05	2	<0.5	<0.2
1382951	Soil Pulp	24	0.24	81	0.008	2	1.22	0.004	0.09	0.1	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
1382952	Soil Pulp	12	0.09	102	0.008	1	0.58	0.002	0.07	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1382953	Soil Pulp	15	0.10	101	0.004	<1	0.92	0.003	0.07	<0.1	0.05	0.9	0.1	<0.05	4	<0.5	<0.2
1382954	Soil Pulp	14	0.07	445	0.005	1	0.71	0.004	0.09	<0.1	0.05	0.4	0.1	0.06	4	<0.5	<0.2
1382955	Soil Pulp	9	0.07	73	0.002	2	0.41	0.004	0.10	<0.1	0.07	0.9	<0.1	0.09	2	<0.5	<0.2
1382956	Soil Pulp	13	0.12	122	0.003	1	0.74	0.003	0.08	<0.1	0.08	0.9	0.1	0.07	3	<0.5	<0.2
1382957	Soil Pulp	10	0.05	72	0.003	1	0.53	0.003	0.07	<0.1	0.06	0.5	0.1	0.07	3	<0.5	<0.2
1382958	Soil Pulp	10	0.04	71	0.003	<1	0.46	0.003	0.08	<0.1	0.03	0.2	0.1	<0.05	3	<0.5	<0.2
1382965	Soil Pulp	9	0.08	53	0.003	<1	0.53	0.003	0.08	<0.1	0.04	3.0	<0.1	<0.05	2	<0.5	<0.2
1382966	Soil Pulp	11	0.07	52	0.003	1	0.59	0.003	0.09	<0.1	0.08	1.0	0.1	0.08	2	<0.5	<0.2
1382967	Soil Pulp	18	0.41	98	0.002	2	1.29	0.006	0.09	<0.1	0.16	5.8	0.4	0.06	3	1.3	<0.2
1382968	Soil Pulp	14	0.12	55	0.002	<1	0.81	0.002	0.07	<0.1	0.07	2.2	0.1	<0.05	3	0.6	<0.2
1382969	Soil Pulp	12	0.06	58	0.004	2	0.61	0.002	0.07	<0.1	0.04	1.4	0.1	<0.05	3	<0.5	<0.2
1382970	Soil Pulp	13	0.11	84	0.004	2	0.63	0.002	0.06	<0.1	0.04	0.7	0.1	<0.05	3	<0.5	<0.2
1382971	Soil Pulp	11	0.23	66	0.002	1	0.68	0.002	0.06	<0.1	0.11	2.3	<0.1	0.05	2	0.5	<0.2
1382972	Soil Pulp	8	0.07	61	0.001	<1	0.42	0.002	0.06	<0.1	0.05	1.4	<0.1	<0.05	1	<0.5	<0.2
1382973	Soil Pulp	9	0.16	49	0.002	3	0.51	0.003	0.07	<0.1	0.18	3.0	<0.1	<0.05	2	0.7	<0.2
1382974	Soil Pulp	13	0.14	67	0.003	3	0.66	0.002	0.08	<0.1	0.13	3.8	0.1	<0.05	2	<0.5	<0.2
1382975	Soil Pulp	14	0.14	57	0.005	1	0.69	0.003	0.06	<0.1	0.19	1.8	0.2	<0.05	2	<0.5	<0.2
1382976	Soil Pulp	15	0.18	85	0.006	<1	0.83	0.003	0.07	0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
1382977	Soil Pulp	13	0.18	75	0.005	2	0.68	0.003	0.07	<0.1	0.19	3.5	<0.1	<0.05	2	<0.5	<0.2
1382978	Soil Pulp	12	0.17	81	0.003	2	0.56	0.003	0.07	<0.1	0.25	3.3	<0.1	<0.05	2	<0.5	<0.2
1382979	Soil Pulp	5	0.05	35	<0.001	3	0.25	0.001	0.07	<0.1	0.75	7.2	0.1	<0.05	<1	1.4	0.3
1382980	Soil Pulp	4	0.06	41	<0.001	3	0.27	0.001	0.05	<0.1	0.81	5.8	0.1	<0.05	<1	1.7	0.4
1382981	Soil Pulp	14	0.20	102	0.003	2	0.69	0.003	0.07	<0.1	0.13	3.5	<0.1	0.06	2	0.5	<0.2
1383025	Soil Pulp	15	0.13	96	0.002	2	0.57	0.003	0.06	<0.1	0.13	5.1	<0.1	<0.05	2	<0.5	<0.2
1383026	Soil Pulp	16	0.18	180	0.004	1	0.97	0.003	0.05	<0.1	0.31	3.7	0.1	<0.05	3	<0.5	<0.2
1383027	Soil Pulp	10	0.23	105	0.002	6	0.49	0.003	0.07	<0.1	0.61	4.9	<0.1	0.09	1	1.3	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Carlin Gold Corporation**
320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: September 28, 2011

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CERTIFICATE OF ANALYSIS

VAN11004464.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1383028	Soil Pulp	1.0	40.1	17.2	78	<0.1	23.5	11.6	476	3.52	29.5	2.3	1.0	30	0.2	1.1	0.3	31	0.49	0.081
1383029	Soil Pulp	1.1	49.1	23.8	119	0.2	29.6	14.2	447	4.07	33.8	2.6	1.5	33	0.4	1.2	0.3	23	0.71	0.077
1383030	Soil Pulp	3.7	55.8	23.5	112	<0.1	33.7	22.4	1300	4.62	28.8	1.1	2.7	21	0.3	1.2	0.3	21	0.22	0.075
1383031	Soil Pulp	1.8	40.1	18.1	84	<0.1	24.6	10.6	341	3.89	23.2	1.4	2.8	26	0.2	0.8	0.3	24	0.40	0.081
1383034	Soil Pulp	1.9	41.1	21.1	80	0.2	22.6	9.9	253	3.37	20.3	0.6	1.0	13	0.2	0.9	0.4	34	0.05	0.091
1383035	Soil Pulp	1.3	36.8	18.7	96	<0.1	24.9	11.3	501	3.41	21.5	1.3	1.4	24	0.4	0.8	0.3	27	0.36	0.086
1383036	Soil Pulp	0.9	30.6	15.5	102	0.3	24.3	11.0	364	3.14	21.4	0.9	1.5	25	0.3	0.6	0.3	29	0.51	0.101
1383037	Soil Pulp	1.0	31.4	18.6	71	<0.1	22.3	12.1	296	2.99	19.5	1.0	1.4	10	0.1	0.6	0.3	16	0.06	0.078
1383038	Soil Pulp	0.8	35.7	16.2	99	0.1	26.4	12.1	369	3.00	18.4	2.0	2.1	38	0.2	0.8	0.3	21	0.67	0.071
1383039	Soil Pulp	0.6	23.9	14.1	64	<0.1	21.0	9.4	282	2.61	14.5	1.3	1.7	32	0.1	0.5	0.2	23	0.55	0.082
1383041	Soil Pulp	0.9	30.6	14.3	86	<0.1	29.7	12.2	289	3.47	21.6	2.2	1.8	18	0.2	0.9	0.3	30	0.25	0.052
1383061	Soil Pulp	1.0	39.5	17.5	113	0.2	25.4	11.6	439	3.41	88.7	5.4	1.1	54	0.4	0.9	0.3	25	1.04	0.114
1383062	Soil Pulp	1.9	58.9	27.8	99	0.1	32.7	16.4	625	4.55	41.6	2.2	1.2	38	0.2	1.4	0.4	24	0.60	0.087
1383063	Soil Pulp	1.4	57.7	22.3	83	0.2	31.4	16.0	531	3.75	36.1	2.2	1.0	44	0.2	1.2	0.3	21	0.88	0.126
1383801	Soil Pulp	1.0	25.5	14.6	52	<0.1	22.7	10.7	473	4.02	22.2	1.8	0.7	11	0.1	1.1	0.2	32	0.21	0.062
1383802	Soil Pulp	1.0	28.1	12.1	50	<0.1	23.8	11.8	368	3.41	28.6	3.3	0.8	11	<0.1	0.9	0.2	33	0.38	0.053
1383803	Soil Pulp	1.1	23.6	10.3	50	<0.1	19.7	9.4	376	2.93	18.2	0.7	0.3	7	0.2	0.7	0.2	35	0.07	0.039
1383804	Soil Pulp	1.0	46.8	15.4	51	<0.1	32.5	17.0	486	3.55	23.4	1.8	1.7	11	<0.1	1.2	0.3	25	0.10	0.036
1383805	Soil Pulp	1.8	72.6	36.6	65	0.3	48.2	23.2	1206	4.19	40.4	5.4	1.1	53	0.1	2.3	0.4	12	0.97	0.093
1383806	Soil Pulp	2.0	88.3	29.2	103	0.1	46.3	30.4	1410	4.62	22.0	4.3	2.8	43	0.1	1.3	0.5	8	0.43	0.044
1383807	Soil Pulp	1.1	56.5	20.5	68	0.1	38.1	18.5	460	3.64	93.4	2.9	1.6	15	<0.1	1.7	0.4	19	0.27	0.066
1383808	Soil Pulp	3.4	94.8	23.7	60	0.1	82.0	39.8	2244	5.06	57.4	3.3	2.6	111	0.1	1.6	0.5	14	1.49	0.053
1383809	Soil Pulp	2.1	56.3	11.5	52	0.1	38.4	17.0	596	3.40	41.6	2.0	0.4	22	<0.1	1.2	0.4	27	0.32	0.089
1383810	Soil Pulp	0.9	26.4	13.0	37	<0.1	19.5	10.3	311	2.80	25.0	1.3	0.4	22	<0.1	0.7	0.2	24	0.25	0.084
1383811	Soil Pulp	1.0	32.8	20.3	54	<0.1	23.3	16.5	879	3.35	36.7	1.4	2.0	17	0.3	1.0	0.3	25	0.32	0.048
1383812	Soil Pulp	0.9	37.4	23.7	80	<0.1	22.7	12.3	337	3.33	37.8	1.3	0.4	7	0.2	1.0	0.4	27	0.06	0.057
1383813	Soil Pulp	1.0	37.1	16.6	53	0.1	22.4	14.8	710	3.49	41.4	1.2	0.4	9	0.2	1.0	0.3	31	0.12	0.070
1383814	Soil Pulp	1.0	29.3	14.7	73	<0.1	16.1	16.3	1786	3.10	34.0	1.1	0.2	9	0.3	0.7	0.3	33	0.15	0.080
1383815	Soil Pulp	0.9	45.5	10.2	51	<0.1	24.4	14.7	303	3.17	53.1	1.3	0.3	8	0.2	1.0	0.3	32	0.05	0.059
1383816	Soil Pulp	1.1	48.5	15.7	51	<0.1	27.1	17.3	1364	3.44	43.0	1.2	0.4	16	0.1	1.2	0.3	24	0.19	0.069



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383028	Soil Pulp	17	0.30	133	0.005	2	0.93	0.004	0.06	<0.1	0.11	3.2	<0.1	<0.05	3	0.6	<0.2
1383029	Soil Pulp	15	0.28	140	0.004	3	0.74	0.003	0.07	<0.1	0.29	4.7	<0.1	0.06	2	1.1	<0.2
1383030	Soil Pulp	18	0.53	79	0.004	2	1.15	0.002	0.06	<0.1	0.09	4.1	<0.1	<0.05	3	0.6	<0.2
1383031	Soil Pulp	17	0.54	91	0.003	2	1.08	0.003	0.05	<0.1	0.08	3.3	<0.1	<0.05	3	0.5	<0.2
1383034	Soil Pulp	20	0.26	73	0.005	2	1.15	0.004	0.08	<0.1	0.08	2.0	0.2	<0.05	4	<0.5	<0.2
1383035	Soil Pulp	18	0.40	131	0.006	2	1.12	0.004	0.06	<0.1	0.05	2.5	0.1	0.05	3	<0.5	<0.2
1383036	Soil Pulp	19	0.33	147	0.008	2	1.05	0.004	0.08	<0.1	0.15	3.2	<0.1	0.06	3	0.7	<0.2
1383037	Soil Pulp	12	0.16	71	0.004	3	0.63	0.002	0.06	<0.1	0.05	1.9	<0.1	<0.05	2	<0.5	<0.2
1383038	Soil Pulp	16	0.29	109	0.005	3	0.74	0.004	0.07	<0.1	0.17	3.9	<0.1	<0.05	2	<0.5	<0.2
1383039	Soil Pulp	18	0.31	114	0.005	3	0.91	0.004	0.07	<0.1	0.10	3.3	<0.1	0.08	2	<0.5	<0.2
1383041	Soil Pulp	21	0.33	120	0.012	2	1.04	0.004	0.07	<0.1	0.07	4.0	<0.1	<0.05	3	<0.5	<0.2
1383061	Soil Pulp	16	0.39	127	0.006	3	0.93	0.005	0.06	<0.1	0.24	3.4	<0.1	0.11	2	0.9	<0.2
1383062	Soil Pulp	13	0.12	237	0.001	2	0.75	0.002	0.06	<0.1	0.31	6.0	<0.1	0.05	2	1.0	<0.2
1383063	Soil Pulp	10	0.11	98	0.002	3	0.54	0.003	0.06	<0.1	0.20	4.7	<0.1	0.11	1	0.9	<0.2
1383801	Soil Pulp	16	0.23	102	0.009	<1	0.79	0.004	0.06	0.2	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
1383802	Soil Pulp	17	0.22	121	0.007	1	0.92	0.004	0.05	0.1	0.13	2.0	0.1	<0.05	3	<0.5	<0.2
1383803	Soil Pulp	14	0.14	74	0.009	<1	0.70	0.003	0.06	<0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1383804	Soil Pulp	14	0.19	74	0.005	1	0.68	0.002	0.05	<0.1	0.05	3.0	<0.1	<0.05	2	<0.5	<0.2
1383805	Soil Pulp	7	0.08	62	0.001	4	0.38	0.002	0.08	<0.1	0.70	4.9	0.2	0.16	<1	1.7	<0.2
1383806	Soil Pulp	4	0.05	41	<0.001	3	0.22	0.002	0.09	<0.1	0.53	7.0	0.1	0.11	<1	1.5	0.3
1383807	Soil Pulp	10	0.10	49	0.002	2	0.38	0.002	0.07	<0.1	1.37	5.0	0.1	0.06	1	0.5	<0.2
1383808	Soil Pulp	8	0.10	62	<0.001	3	0.41	0.003	0.11	<0.1	0.12	8.6	0.1	0.13	1	0.8	<0.2
1383809	Soil Pulp	12	0.07	122	0.002	2	0.73	0.003	0.06	<0.1	0.12	2.2	0.1	0.07	3	0.6	<0.2
1383810	Soil Pulp	12	0.12	101	0.003	2	0.83	0.002	0.07	<0.1	0.05	1.3	<0.1	<0.05	2	<0.5	<0.2
1383811	Soil Pulp	12	0.13	91	0.004	3	0.65	0.003	0.10	<0.1	0.11	3.1	0.1	<0.05	2	<0.5	<0.2
1383812	Soil Pulp	10	0.07	60	0.003	1	0.54	0.001	0.07	<0.1	0.12	1.0	<0.1	<0.05	2	<0.5	<0.2
1383813	Soil Pulp	12	0.11	98	0.005	2	0.63	0.002	0.11	<0.1	0.08	1.2	<0.1	<0.05	3	<0.5	<0.2
1383814	Soil Pulp	11	0.09	134	0.005	2	0.55	0.003	0.11	<0.1	0.06	0.7	0.1	<0.05	3	<0.5	<0.2
1383815	Soil Pulp	12	0.09	67	0.004	2	0.53	0.002	0.07	<0.1	0.12	1.3	<0.1	<0.05	3	<0.5	<0.2
1383816	Soil Pulp	8	0.11	173	0.002	1	0.39	0.002	0.06	<0.1	0.11	1.8	<0.1	<0.05	2	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1383817	Soil Pulp	1.2	31.0	12.6	67	0.1	22.1	12.0	703	2.96	28.4	<0.5	0.1	9	0.1	0.8	0.3	36	0.09	0.069
1383818	Soil Pulp	1.6	44.4	17.7	70	<0.1	26.2	14.7	758	3.71	34.3	0.9	0.3	11	0.2	1.0	0.4	24	0.09	0.068
1383819	Soil Pulp	3.1	48.7	23.8	95	<0.1	32.3	18.2	690	5.20	24.4	1.7	1.0	11	0.2	1.0	0.5	26	0.02	0.107
1383820	Soil Pulp	1.1	34.7	20.3	75	<0.1	24.9	12.0	252	4.00	38.7	0.7	0.8	10	0.1	0.9	0.5	25	0.03	0.063
1383821	Soil Pulp	0.6	39.8	25.7	79	<0.1	28.3	13.7	245	3.30	22.2	1.5	2.2	13	<0.1	0.5	0.4	11	0.06	0.031
1383822	Soil Pulp	0.5	81.1	24.2	90	<0.1	37.0	14.6	89	3.45	85.2	1.3	2.3	13	<0.1	0.6	0.7	11	0.07	0.045
1383823	Soil Pulp	0.6	39.7	28.5	73	<0.1	25.3	13.5	269	2.84	37.7	1.2	1.2	9	0.1	0.6	0.4	17	0.08	0.038
1383824	Soil Pulp	1.0	39.6	102.9	103	<0.1	21.8	9.9	177	2.21	77.1	1.6	0.5	13	0.2	1.0	0.3	28	0.03	0.043
1383825	Soil Pulp	0.5	32.4	57.3	241	0.1	28.2	22.1	1771	3.51	50.4	1.7	1.9	18	3.8	1.0	0.4	11	0.70	0.120
1383826	Soil Pulp	0.4	45.0	31.2	77	0.2	37.2	24.1	834	3.41	80.2	2.4	2.9	20	0.1	1.1	0.4	11	0.41	0.082
1383827	Soil Pulp	0.5	51.2	32.6	88	0.1	48.4	27.6	598	4.04	78.0	1.8	4.9	19	<0.1	1.4	0.5	12	0.24	0.045
1383828	Soil Pulp	0.4	53.6	28.7	99	0.2	45.5	27.3	443	2.97	62.3	2.7	6.5	28	0.1	0.7	0.5	10	0.16	0.045
1383829	Soil Pulp	0.6	65.7	41.8	115	0.2	57.9	38.3	452	4.16	110.1	2.7	6.7	24	<0.1	1.4	0.6	12	0.10	0.039
1383830	Soil Pulp	0.4	46.9	17.8	42	0.1	37.8	21.0	323	2.46	66.8	2.3	4.4	21	<0.1	0.9	0.5	8	0.17	0.035
1383831	Soil Pulp	0.3	43.4	7.5	8	0.1	33.8	26.1	171	1.29	82.8	1.7	4.6	16	<0.1	0.6	0.6	7	0.22	0.033
1383832	Soil Pulp	0.3	36.7	28.3	53	<0.1	27.6	15.9	396	2.65	47.5	1.6	3.1	18	0.1	0.5	0.4	9	0.21	0.058
1383833	Soil Pulp	0.5	32.0	9.9	65	<0.1	24.1	12.2	324	2.79	37.4	<0.5	2.5	19	<0.1	0.7	0.4	11	0.38	0.072
1383834	Soil Pulp	0.8	18.1	9.4	40	<0.1	24.0	11.1	198	2.39	46.8	1.4	0.9	8	0.2	0.6	0.3	26	0.05	0.042
1383835	Soil Pulp	0.7	32.4	17.7	68	<0.1	28.2	13.4	174	2.99	46.9	<0.5	0.5	6	<0.1	0.7	0.4	19	<0.01	0.058
1383836	Soil Pulp	0.4	32.3	25.0	72	<0.1	24.4	14.0	349	3.77	15.4	1.0	1.8	8	<0.1	0.5	0.4	12	0.05	0.066
1383837	Soil Pulp	0.5	27.5	16.2	34	<0.1	29.1	16.7	608	4.19	55.8	1.9	4.7	16	<0.1	1.0	0.4	13	0.13	0.043
1383838	Soil Pulp	0.8	27.6	15.9	53	<0.1	23.9	14.8	594	2.85	34.4	0.8	0.7	8	<0.1	0.8	0.3	21	0.03	0.053
1383839	Soil Pulp	0.5	41.0	25.9	96	0.1	41.2	14.1	414	3.23	6.7	2.6	4.6	41	0.2	0.4	0.4	16	0.79	0.074
1383840	Soil Pulp	0.6	36.1	18.3	66	<0.1	32.0	15.3	734	4.25	48.3	0.7	1.8	10	0.2	0.6	0.3	17	0.14	0.099
1383841	Soil Pulp	0.8	35.9	15.8	69	<0.1	28.1	13.4	333	2.96	37.4	2.5	1.5	8	0.2	0.7	0.3	21	0.06	0.046
1383842	Soil Pulp	0.7	39.2	16.3	67	<0.1	29.1	14.7	237	2.99	54.1	1.8	1.4	8	0.1	0.8	0.4	16	0.10	0.048
1383843	Soil Pulp	0.5	37.7	20.1	46	<0.1	35.5	18.6	652	3.38	62.1	3.6	1.8	12	<0.1	0.7	0.4	12	0.07	0.050
1383844	Soil Pulp	0.7	35.3	37.6	76	<0.1	25.7	16.9	674	3.20	52.3	1.5	1.0	9	<0.1	0.9	0.4	14	0.11	0.062
1383845	Soil Pulp	0.7	43.9	32.5	101	<0.1	33.0	19.7	749	3.78	79.5	1.6	1.0	8	0.2	1.3	0.4	12	0.07	0.062



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383817	Soil Pulp	11	0.06	112	0.008	<1	0.48	0.003	0.06	<0.1	0.03	0.7	<0.1	<0.05	3	0.6	<0.2
1383818	Soil Pulp	11	0.12	76	0.002	1	0.54	0.002	0.06	<0.1	0.05	1.1	<0.1	<0.05	3	<0.5	<0.2
1383819	Soil Pulp	20	0.26	69	0.003	1	1.06	0.003	0.07	<0.1	0.07	1.6	0.1	0.06	4	0.6	<0.2
1383820	Soil Pulp	10	0.07	86	0.003	1	0.63	0.003	0.07	<0.1	0.04	1.3	0.1	<0.05	3	<0.5	<0.2
1383821	Soil Pulp	8	0.08	99	<0.001	1	0.36	0.002	0.06	<0.1	0.06	2.7	<0.1	<0.05	1	<0.5	<0.2
1383822	Soil Pulp	6	0.05	73	<0.001	<1	0.29	0.002	0.06	<0.1	0.15	4.0	<0.1	<0.05	<1	<0.5	<0.2
1383823	Soil Pulp	8	0.08	89	0.002	<1	0.40	0.002	0.06	<0.1	0.07	1.7	<0.1	<0.05	2	<0.5	<0.2
1383824	Soil Pulp	12	0.08	481	0.007	1	0.54	0.003	0.06	<0.1	0.20	1.0	<0.1	<0.05	3	<0.5	<0.2
1383825	Soil Pulp	8	0.09	194	0.001	2	0.36	0.004	0.09	<0.1	0.26	3.2	0.2	0.14	1	<0.5	<0.2
1383826	Soil Pulp	12	0.14	65	<0.001	1	0.45	0.002	0.11	<0.1	0.31	2.7	0.1	0.09	2	<0.5	<0.2
1383827	Soil Pulp	11	0.09	75	<0.001	1	0.28	0.002	0.09	<0.1	0.15	4.0	0.1	0.05	1	<0.5	<0.2
1383828	Soil Pulp	9	0.08	49	<0.001	1	0.24	0.002	0.08	<0.1	0.19	3.0	<0.1	<0.05	1	<0.5	<0.2
1383829	Soil Pulp	10	0.08	70	0.001	2	0.31	0.002	0.09	<0.1	0.16	4.0	0.1	<0.05	1	<0.5	<0.2
1383830	Soil Pulp	5	0.06	64	<0.001	<1	0.25	0.002	0.09	<0.1	0.12	3.1	<0.1	<0.05	<1	<0.5	<0.2
1383831	Soil Pulp	4	0.06	30	<0.001	<1	0.23	0.001	0.08	<0.1	0.05	1.9	<0.1	<0.05	<1	<0.5	<0.2
1383832	Soil Pulp	6	0.08	55	<0.001	<1	0.26	0.002	0.07	<0.1	0.08	2.5	<0.1	<0.05	<1	<0.5	<0.2
1383833	Soil Pulp	7	0.10	67	<0.001	<1	0.55	0.002	0.08	<0.1	0.04	3.9	0.1	0.06	2	<0.5	<0.2
1383834	Soil Pulp	14	0.17	48	0.004	<1	0.76	0.003	0.06	<0.1	0.08	0.8	<0.1	<0.05	3	<0.5	<0.2
1383835	Soil Pulp	7	0.04	48	<0.001	<1	0.43	0.002	0.05	<0.1	0.03	0.9	<0.1	<0.05	2	<0.5	<0.2
1383836	Soil Pulp	13	0.19	32	<0.001	<1	0.75	0.002	0.06	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1383837	Soil Pulp	7	0.13	50	0.001	<1	0.43	0.003	0.08	<0.1	0.06	2.5	<0.1	<0.05	1	<0.5	<0.2
1383838	Soil Pulp	6	0.04	63	0.001	<1	0.39	0.002	0.06	<0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1383839	Soil Pulp	30	0.84	46	0.003	2	1.35	0.004	0.08	<0.1	0.05	4.9	<0.1	0.09	4	<0.5	<0.2
1383840	Soil Pulp	9	0.12	93	0.002	<1	0.46	0.003	0.06	<0.1	0.05	3.0	<0.1	0.07	2	<0.5	<0.2
1383841	Soil Pulp	12	0.17	38	0.008	3	0.62	0.003	0.03	0.1	0.10	2.2	<0.1	<0.05	2	1.3	<0.2
1383842	Soil Pulp	7	0.07	55	0.003	3	0.33	0.002	0.04	<0.1	0.09	2.0	<0.1	0.06	1	0.5	<0.2
1383843	Soil Pulp	7	0.09	50	0.002	1	0.34	0.002	0.04	<0.1	0.11	2.6	<0.1	0.09	1	1.1	<0.2
1383844	Soil Pulp	9	0.06	62	0.002	1	0.34	0.002	0.06	<0.1	0.13	1.8	<0.1	0.07	2	<0.5	<0.2
1383845	Soil Pulp	10	0.05	64	0.002	2	0.30	0.002	0.06	<0.1	0.17	2.3	<0.1	0.08	1	0.7	<0.2



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Report Date:

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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1382573	Soil Pulp	1.1	38.3	17.9	74	0.2	24.3	10.6	248	3.45	26.4	0.9	0.8	8	<0.1	0.7	0.3	22	0.03	0.058	6
REP 1382573	QC	1.2	37.3	17.7	73	0.1	24.2	10.0	240	3.35	25.3	<0.5	0.7	8	<0.1	0.7	0.4	22	0.03	0.055	5
1382587	Soil Pulp	0.8	36.7	21.4	59	0.2	42.8	17.3	5427	30.58	127.8	5.0	1.6	64	0.4	2.1	0.2	20	4.02	0.088	7
REP 1382587	QC	0.7	33.2	19.3	56	0.2	38.5	16.3	4979	28.11	116.4	4.8	1.4	55	0.4	1.8	0.2	19	3.77	0.085	6
1382734	Soil Pulp	1.3	21.5	30.9	79	0.2	18.5	7.0	282	2.72	27.7	1.5	0.2	10	0.2	2.2	0.3	43	0.04	0.055	10
REP 1382734	QC	1.5	22.0	32.9	81	0.2	18.2	7.3	286	2.85	28.7	2.3	0.3	10	0.2	2.2	0.3	44	0.05	0.058	10
1382749	Soil Pulp	1.0	43.6	47.4	132	<0.1	26.3	18.6	1065	4.67	21.8	2.0	1.3	8	0.4	0.9	0.3	40	0.04	0.064	8
REP 1382749	QC	1.0	43.3	46.6	130	<0.1	25.4	17.6	1053	4.49	21.9	1.5	1.3	8	0.4	0.9	0.3	39	0.04	0.063	8
1382951	Soil Pulp	1.4	29.6	21.5	75	0.1	24.3	11.9	372	4.04	23.1	1.3	1.4	10	0.2	0.9	0.3	44	0.06	0.047	9
REP 1382951	QC	1.3	29.1	20.8	73	0.1	24.4	11.9	366	4.00	22.7	1.0	1.4	10	0.2	0.9	0.4	43	0.06	0.047	8
1382978	Soil Pulp	0.8	39.0	15.5	74	0.1	24.5	16.5	473	3.14	57.5	2.4	1.0	16	0.2	0.8	0.2	23	0.28	0.074	5
REP 1382978	QC	0.9	38.3	15.7	72	0.1	24.7	16.1	466	3.11	56.9	<0.5	1.0	17	0.3	0.8	0.2	23	0.29	0.076	5
1383803	Soil Pulp	1.1	23.6	10.3	50	<0.1	19.7	9.4	376	2.93	18.2	0.7	0.3	7	0.2	0.7	0.2	35	0.07	0.039	7
REP 1383803	QC	1.0	24.1	10.1	51	<0.1	19.4	9.5	383	2.99	18.7	0.6	0.4	7	0.1	0.7	0.2	35	0.07	0.039	6
1383807	Soil Pulp	1.1	56.5	20.5	68	0.1	38.1	18.5	460	3.64	93.4	2.9	1.6	15	<0.1	1.7	0.4	19	0.27	0.066	5
REP 1383807	QC	1.1	57.0	20.9	67	0.1	38.2	18.9	451	3.69	94.1	2.4	1.5	16	<0.1	1.7	0.4	18	0.28	0.065	5
1383817	Soil Pulp	1.2	31.0	12.6	67	0.1	22.1	12.0	703	2.96	28.4	<0.5	0.1	9	0.1	0.8	0.3	36	0.09	0.069	6
REP 1383817	QC	1.1	32.7	13.6	70	0.1	21.7	12.0	708	3.02	28.9	<0.5	<0.1	10	0.2	0.9	0.3	36	0.09	0.067	6
1383828	Soil Pulp	0.4	53.6	28.7	99	0.2	45.5	27.3	443	2.97	62.3	2.7	6.5	28	0.1	0.7	0.5	10	0.16	0.045	7
REP 1383828	QC	0.4	55.1	29.6	103	0.2	46.9	28.8	451	3.10	65.2	2.7	6.7	29	0.1	0.7	0.5	10	0.16	0.046	7
Reference Materials																					
STD DS8	Standard	12.7	101.2	120.8	314	1.7	35.9	7.0	613	2.45	25.0	110.2	6.6	66	2.0	4.9	5.9	38	0.67	0.073	15
STD DS8	Standard	12.5	101.9	123.6	288	1.8	36.1	6.9	582	2.32	22.9	114.7	6.7	64	2.1	5.1	5.7	39	0.68	0.073	15
STD DS8	Standard	14.1	116.9	124.9	320	1.8	40.4	8.3	646	2.55	26.5	104.7	6.5	68	2.3	5.8	6.5	50	0.74	0.089	17
STD DS8	Standard	13.7	106.3	132.7	317	1.8	37.5	7.4	625	2.51	24.3	124.6	7.7	74	2.0	5.7	7.2	42	0.74	0.082	16
STD DS8	Standard	14.1	112.6	123.3	312	1.8	39.1	8.0	630	2.59	25.2	111.6	6.8	68	2.3	5.2	6.4	48	0.73	0.089	16
STD DS8	Standard	13.3	112.6	110.0	313	1.8	38.3	7.4	592	2.35	24.1	107.6	6.1	60	2.3	5.3	5.8	43	0.69	0.078	15
STD DS8	Standard	12.3	109.9	127.7	314	1.8	37.4	7.2	603	2.37	25.5	121.4	6.7	66	2.5	6.0	7.1	38	0.69	0.081	14



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Report Date: September 28, 2011

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1382573	Soil Pulp	10	0.06	58	0.003	2	0.59	0.002	0.07	<0.1	0.04	1.8	0.1	<0.05	2	<0.5	<0.2
REP 1382573	QC	10	0.06	57	0.003	1	0.57	0.002	0.06	<0.1	0.04	1.8	0.1	<0.05	2	<0.5	<0.2
1382587	Soil Pulp	10	0.70	198	0.004	4	0.38	0.002	0.04	<0.1	1.41	3.8	0.1	<0.05	<1	0.6	<0.2
REP 1382587	QC	10	0.64	171	0.003	5	0.33	0.002	0.03	<0.1	1.39	3.4	0.1	<0.05	<1	0.6	<0.2
1382734	Soil Pulp	22	0.21	176	0.011	1	1.12	0.003	0.05	0.1	0.21	1.0	0.1	<0.05	5	<0.5	<0.2
REP 1382734	QC	21	0.20	179	0.010	2	1.14	0.003	0.05	0.2	0.22	1.1	0.2	<0.05	5	0.5	<0.2
1382749	Soil Pulp	25	0.28	94	0.007	2	1.17	0.003	0.06	<0.1	0.06	3.1	0.1	<0.05	4	<0.5	<0.2
REP 1382749	QC	24	0.27	98	0.006	2	1.10	0.003	0.06	<0.1	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
1382951	Soil Pulp	24	0.24	81	0.008	2	1.22	0.004	0.09	0.1	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
REP 1382951	QC	23	0.24	80	0.008	2	1.25	0.004	0.09	0.1	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
1382978	Soil Pulp	12	0.17	81	0.003	2	0.56	0.003	0.07	<0.1	0.25	3.3	<0.1	<0.05	2	<0.5	<0.2
REP 1382978	QC	12	0.17	84	0.003	3	0.58	0.003	0.07	<0.1	0.24	3.3	<0.1	<0.05	2	<0.5	<0.2
1383803	Soil Pulp	14	0.14	74	0.009	<1	0.70	0.003	0.06	<0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
REP 1383803	QC	14	0.14	77	0.009	<1	0.69	0.002	0.06	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1383807	Soil Pulp	10	0.10	49	0.002	2	0.38	0.002	0.07	<0.1	1.37	5.0	0.1	0.06	1	0.5	<0.2
REP 1383807	QC	9	0.10	47	0.001	2	0.37	0.002	0.07	<0.1	1.35	5.1	0.1	0.06	1	0.6	<0.2
1383817	Soil Pulp	11	0.06	112	0.008	<1	0.48	0.003	0.06	<0.1	0.03	0.7	<0.1	<0.05	3	0.6	<0.2
REP 1383817	QC	11	0.06	118	0.005	<1	0.49	0.002	0.06	<0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1383828	Soil Pulp	9	0.08	49	<0.001	1	0.24	0.002	0.08	<0.1	0.19	3.0	<0.1	<0.05	1	<0.5	<0.2
REP 1383828	QC	9	0.08	51	<0.001	1	0.25	0.002	0.09	<0.1	0.22	3.0	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	113	0.61	267	0.109	4	0.90	0.102	0.41	2.9	0.18	2.6	5.3	0.18	5	5.3	4.1
STD DS8	Standard	111	0.58	270	0.112	2	0.90	0.102	0.42	2.8	0.18	2.9	5.2	0.14	4	4.4	4.1
STD DS8	Standard	129	0.63	285	0.126	3	1.00	0.101	0.43	3.0	0.21	2.4	5.5	0.18	5	5.2	5.1
STD DS8	Standard	118	0.63	285	0.122	4	1.03	0.137	0.50	3.1	0.22	3.7	5.6	0.15	5	5.9	5.7
STD DS8	Standard	122	0.64	279	0.121	3	0.97	0.123	0.43	2.7	0.19	2.3	5.3	0.14	5	5.0	4.9
STD DS8	Standard	120	0.61	273	0.114	3	0.92	0.085	0.40	3.0	0.19	2.2	5.1	0.15	4	5.2	4.9
STD DS8	Standard	113	0.63	277	0.111	3	0.93	0.093	0.43	3.1	0.18	2.0	5.4	0.16	5	4.0	5.0



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	13.2	111.5	124.1	325	1.7	39.2	7.7	607	2.47	25.3	116.0	6.7	72	2.4	5.5	6.8	41	0.74	0.083	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: September 28, 2011

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QUALITY CONTROL REPORT

VAN11004464.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	115	0.62	283	0.113	2	1.00	0.112	0.46	3.0	0.19	2.6	5.3	0.14	5	6.4	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: September 03, 2011
Report Date: September 29, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11004466.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-13
Number of Samples: 203

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	203	Sorting of samples on arrival and labeling			VAN
1DX2	202	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
Report Date: September 29, 2011

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CERTIFICATE OF ANALYSIS

VAN11004466.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1182498	Soil Pulp	0.7	36.7	19.1	66	<0.1	29.4	15.3	528	2.97	21.6	1.6	3.4	49	0.1	0.7	0.3	11	1.08	0.046
1182499	Soil Pulp	1.0	75.1	21.5	125	0.1	37.6	19.9	656	4.24	23.1	2.8	1.9	31	0.4	1.4	0.3	32	0.80	0.060
1182832	Soil Pulp	0.4	24.7	23.3	66	<0.1	23.2	11.3	556	2.34	10.8	<0.5	4.6	129	<0.1	0.3	0.3	7	4.88	0.043
1182833	Soil Pulp	0.8	121.3	22.0	81	<0.1	52.1	30.6	788	4.82	44.6	1.7	3.1	24	0.2	1.4	0.3	34	1.17	0.044
1371672	Soil Pulp	0.7	19.2	15.0	77	0.2	20.5	7.0	383	2.36	11.0	1.7	1.0	42	0.3	0.7	0.2	36	1.29	0.116
1371673	Soil Pulp	0.8	20.6	18.8	73	0.2	24.0	8.8	611	2.60	12.3	2.0	1.3	30	0.2	0.7	0.2	32	1.20	0.091
1371674	Soil Pulp	1.0	22.2	14.7	61	0.1	24.0	8.5	458	2.13	12.6	1.9	3.0	40	0.3	0.8	0.2	28	2.88	0.089
1371675	Soil Pulp	0.8	21.8	15.9	80	0.2	23.4	7.9	429	2.53	13.4	3.0	1.2	30	0.3	0.7	0.2	34	1.08	0.109
1371676	Soil Pulp	0.5	21.8	31.4	72	0.2	22.5	7.4	520	2.77	19.0	0.8	2.2	20	0.1	0.8	0.2	21	0.79	0.116
1371677	Soil Pulp	0.6	18.9	17.8	69	0.2	20.8	6.4	341	2.85	14.3	1.8	1.6	21	0.2	0.7	0.2	37	0.70	0.114
1371678	Soil Pulp	0.9	27.4	52.0	92	0.2	32.5	10.5	437	2.40	31.2	1.3	2.2	25	0.3	0.7	0.3	16	0.81	0.096
1371679	Soil Pulp	0.4	13.6	37.0	140	0.2	16.0	5.3	2417	2.63	24.7	0.7	0.6	51	0.4	1.0	0.1	11	10.48	0.145
1371680	Soil Pulp	1.0	27.0	28.9	84	0.1	25.3	9.7	684	2.84	19.2	2.9	1.9	32	0.3	1.2	0.2	23	3.16	0.084
1371681	Soil Pulp	0.5	23.3	81.5	161	0.3	28.7	9.8	398	2.31	47.0	0.9	3.0	98	0.2	0.7	0.2	10	3.79	0.120
1371682	Soil Pulp	0.8	30.4	59.5	125	0.3	33.6	9.8	895	3.86	56.9	1.0	1.8	28	0.2	2.5	0.3	14	2.40	0.105
1371683	Soil Pulp	0.9	14.3	18.7	229	<0.1	18.3	9.5	3269	4.54	11.6	0.6	0.8	17	1.0	0.9	0.2	35	1.60	0.144
1371684	Soil Pulp	1.2	19.8	16.8	223	<0.1	20.9	7.9	1394	4.62	24.4	0.8	1.1	10	0.3	1.2	0.3	38	0.63	0.137
1371685	Soil Pulp	1.5	24.6	13.9	64	<0.1	15.0	9.8	637	2.81	8.3	0.5	0.3	8	0.2	0.5	0.3	26	0.04	0.071
1371686	Soil Pulp	0.9	24.4	23.4	73	<0.1	21.5	16.5	1474	3.79	19.3	1.5	0.6	7	0.2	0.9	0.4	25	0.03	0.077
1371687	Soil Pulp	1.0	22.6	21.3	217	<0.1	22.0	12.3	885	3.92	18.0	1.4	0.6	8	0.5	0.9	0.4	27	0.06	0.067
1371688	Soil Pulp	1.1	19.7	19.0	92	<0.1	18.3	9.3	708	3.64	46.2	3.4	0.7	11	0.1	1.0	0.4	39	0.20	0.099
1371689	Soil Pulp	0.6	29.9	36.9	102	<0.1	22.1	11.7	1330	4.20	23.1	0.6	1.8	19	0.1	1.7	0.4	18	4.11	0.078
1371690	Soil Pulp	1.2	24.7	21.6	67	<0.1	21.5	11.7	903	3.70	11.7	1.1	0.9	8	0.2	0.9	0.3	31	0.14	0.075
1371691	Soil Pulp	0.7	13.2	13.9	55	<0.1	13.9	7.3	599	2.62	8.5	<0.5	0.7	10	0.1	0.4	0.4	34	0.30	0.098
1371692	Soil Pulp	0.9	17.6	19.1	160	<0.1	20.9	8.9	1674	4.21	13.1	0.9	0.9	14	0.5	0.8	0.3	39	1.51	0.152
1371693	Soil Pulp	1.0	15.6	18.9	89	0.2	21.5	9.7	2828	4.89	24.7	1.5	1.0	25	0.5	1.2	0.2	31	5.17	0.138
1371694	Soil Pulp	0.6	12.3	19.5	61	0.1	16.0	8.3	4161	5.36	21.2	1.3	0.9	23	0.5	1.4	0.2	30	5.92	0.133
1371695	Soil Pulp	0.5	12.8	16.7	104	<0.1	15.1	7.7	3180	4.26	18.4	1.0	0.9	30	0.5	0.9	0.1	16	9.32	0.118
1371696	Soil Pulp	0.6	19.3	21.1	93	<0.1	18.7	9.9	3922	4.91	16.9	<0.5	1.1	25	0.4	1.0	0.2	20	5.85	0.131
1371697	Soil Pulp	1.3	31.7	22.7	45	0.1	31.7	13.2	1993	4.63	23.1	0.9	2.6	19	0.1	1.2	0.3	19	3.08	0.088



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CERTIFICATE OF ANALYSIS

VAN11004466.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182498	Soil Pulp	7	0.34	69	0.001	2	0.34	0.002	0.05	<0.1	0.16	3.1	<0.1	<0.05	1	<0.5	<0.2
1182499	Soil Pulp	19	0.49	142	0.003	3	0.85	0.003	0.05	<0.1	0.24	6.1	<0.1	<0.05	3	0.7	<0.2
1182832	Soil Pulp	8	1.35	91	0.001	2	0.53	0.003	0.05	<0.1	0.11	2.7	<0.1	<0.05	2	<0.5	<0.2
1182833	Soil Pulp	20	0.52	51	0.002	2	0.77	0.002	0.05	<0.1	0.54	7.3	<0.1	<0.05	3	<0.5	<0.2
1371672	Soil Pulp	19	0.33	126	0.008	2	1.13	0.006	0.03	0.1	0.11	2.0	<0.1	<0.05	3	<0.5	<0.2
1371673	Soil Pulp	17	0.54	124	0.007	2	1.02	0.005	0.04	0.1	0.15	2.2	0.1	<0.05	3	<0.5	<0.2
1371674	Soil Pulp	14	1.34	102	0.017	3	0.73	0.009	0.04	0.1	0.11	2.6	<0.1	<0.05	2	<0.5	<0.2
1371675	Soil Pulp	19	0.47	128	0.010	2	1.07	0.007	0.04	0.1	0.15	2.5	<0.1	<0.05	3	<0.5	<0.2
1371676	Soil Pulp	12	0.32	122	0.003	2	0.84	0.003	0.05	<0.1	0.29	2.6	0.1	<0.05	2	<0.5	<0.2
1371677	Soil Pulp	22	0.33	142	0.008	1	1.29	0.005	0.05	0.1	0.23	3.3	<0.1	<0.05	3	0.5	<0.2
1371678	Soil Pulp	9	0.13	72	0.002	2	0.47	0.002	0.06	<0.1	0.55	3.0	<0.1	<0.05	1	<0.5	<0.2
1371679	Soil Pulp	7	5.81	144	0.002	3	0.39	0.007	0.04	<0.1	0.79	1.4	0.1	<0.05	1	0.6	<0.2
1371680	Soil Pulp	13	1.69	122	0.008	3	0.69	0.007	0.06	<0.1	0.38	2.9	<0.1	<0.05	2	<0.5	<0.2
1371681	Soil Pulp	9	0.40	81	<0.001	3	0.30	0.003	0.06	<0.1	0.96	2.9	0.1	<0.05	<1	0.5	<0.2
1371682	Soil Pulp	10	1.07	104	0.001	3	0.44	0.003	0.05	<0.1	0.96	3.1	0.2	<0.05	1	0.8	<0.2
1371683	Soil Pulp	21	0.76	221	0.009	1	1.29	0.004	0.05	<0.1	0.12	2.4	0.1	<0.05	3	<0.5	<0.2
1371684	Soil Pulp	22	0.33	235	0.008	2	1.22	0.003	0.05	0.1	0.25	2.8	0.2	<0.05	3	<0.5	<0.2
1371685	Soil Pulp	14	0.11	105	0.004	2	0.74	0.002	0.09	<0.1	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2
1371686	Soil Pulp	16	0.18	81	0.006	2	1.05	0.002	0.07	<0.1	0.10	1.2	<0.1	<0.05	3	<0.5	<0.2
1371687	Soil Pulp	19	0.24	94	0.008	2	1.12	0.003	0.08	<0.1	0.44	1.2	0.1	<0.05	4	<0.5	<0.2
1371688	Soil Pulp	21	0.23	164	0.006	1	1.30	0.003	0.07	<0.1	0.09	1.3	0.1	<0.05	5	<0.5	<0.2
1371689	Soil Pulp	11	2.24	100	0.003	2	0.65	0.005	0.06	<0.1	0.54	3.6	0.3	<0.05	2	<0.5	<0.2
1371690	Soil Pulp	20	0.22	128	0.006	1	1.17	0.003	0.08	0.1	0.06	1.6	0.1	<0.05	4	<0.5	<0.2
1371691	Soil Pulp	17	0.23	179	0.005	2	1.14	0.003	0.08	0.1	0.07	1.6	0.1	<0.05	5	<0.5	<0.2
1371692	Soil Pulp	24	0.73	201	0.009	3	1.53	0.005	0.07	<0.1	0.11	2.0	0.2	<0.05	4	<0.5	<0.2
1371693	Soil Pulp	18	2.92	203	0.008	2	1.10	0.007	0.04	<0.1	0.52	2.5	0.2	<0.05	3	0.6	<0.2
1371694	Soil Pulp	16	3.44	181	0.007	2	0.97	0.006	0.03	0.1	0.76	3.2	0.2	<0.05	3	<0.5	<0.2
1371695	Soil Pulp	10	5.38	195	0.004	3	0.65	0.008	0.05	<0.1	0.39	2.1	0.1	<0.05	2	0.5	<0.2
1371696	Soil Pulp	13	3.30	246	0.004	4	0.81	0.006	0.07	<0.1	0.33	2.5	0.1	<0.05	2	0.5	<0.2
1371697	Soil Pulp	13	1.59	247	0.002	2	0.93	0.004	0.07	<0.1	0.40	5.0	0.1	<0.05	2	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1371698	Soil Pulp	1.1	29.7	24.5	52	<0.1	27.5	14.4	1102	3.78	17.5	1.3	2.2	9	0.1	1.0	0.4	30	0.23	0.087
1371699	Soil Pulp	1.7	19.1	17.5	64	<0.1	15.6	10.3	708	3.72	8.2	0.8	1.1	6	0.1	0.8	0.4	43	0.02	0.062
1371700	Soil Pulp	1.5	23.4	17.0	54	<0.1	12.7	6.6	340	4.09	6.1	0.6	1.0	5	<0.1	0.7	0.4	44	0.01	0.066
1374158	Soil Pulp	0.6	27.4	20.9	73	0.1	18.8	8.1	422	2.60	13.2	0.7	2.0	68	0.4	0.5	0.2	21	0.97	0.052
1374912	Soil Pulp	0.9	62.6	9.3	96	<0.1	26.0	20.9	1638	4.48	6.5	1.0	0.7	6	0.3	0.5	0.2	109	0.05	0.084
1374913	Soil Pulp	1.1	53.7	305.4	100	0.3	29.6	15.1	659	5.76	30.0	1.9	0.8	9	0.1	5.2	0.3	31	0.02	0.081
1374914	Soil Pulp	1.2	20.2	13.8	111	0.2	22.2	8.2	348	3.14	15.1	1.1	0.4	9	0.3	0.7	0.3	41	0.13	0.056
1374915	Soil Pulp	1.6	31.9	14.7	68	<0.1	14.9	8.7	727	3.53	13.8	1.2	0.3	4	0.1	0.9	0.4	47	0.01	0.063
1374916	Soil Pulp	1.5	29.6	54.9	107	<0.1	24.4	12.2	458	4.24	13.3	2.0	1.0	5	0.2	1.1	0.4	31	0.02	0.053
1374917	Soil Pulp	1.7	36.4	22.8	113	<0.1	21.7	10.8	500	4.25	48.8	0.7	0.6	12	0.2	6.9	0.3	24	0.21	0.055
1374918	Soil Pulp	1.4	20.4	19.4	100	<0.1	28.2	13.0	715	3.60	12.9	1.1	1.3	14	0.2	0.8	0.3	35	0.27	0.057
1374919	Soil Pulp	2.6	54.4	26.5	114	0.1	46.8	17.4	1064	4.24	13.1	2.6	1.6	19	0.3	0.7	0.5	17	0.68	0.073
1374920	Soil Pulp	1.0	24.4	31.0	87	<0.1	25.3	12.1	1475	4.15	16.2	1.5	1.3	15	0.2	0.8	0.3	29	0.42	0.088
1374921	Soil Pulp	1.2	22.2	32.6	98	<0.1	18.8	10.1	680	3.49	18.4	0.7	0.9	7	0.2	1.1	0.3	27	0.14	0.070
1374922	Soil Pulp	0.5	25.9	24.4	66	<0.1	21.6	8.1	210	2.92	11.6	0.7	1.3	14	<0.1	0.4	0.4	17	0.23	0.033
1374923	Soil Pulp	1.3	21.2	21.6	51	<0.1	14.4	6.2	161	3.34	15.8	1.8	0.3	5	<0.1	0.7	0.3	29	0.02	0.036
1374924	Soil Pulp	0.7	26.9	25.1	85	<0.1	26.8	13.0	532	3.36	10.4	1.6	1.2	26	0.2	0.4	0.4	24	0.46	0.052
1374925	Soil Pulp	0.9	17.4	21.2	70	<0.1	18.2	7.4	643	2.57	9.5	1.0	1.0	17	0.2	0.4	0.3	27	0.44	0.093
1374926	Soil Pulp	1.1	19.9	14.8	64	<0.1	18.8	7.0	351	2.44	9.3	0.6	1.0	13	0.1	0.5	0.3	28	0.21	0.090
1374927	Soil Pulp	0.7	44.5	19.1	92	<0.1	39.9	14.0	354	3.12	8.5	1.2	2.8	32	0.1	0.4	0.4	10	0.84	0.064
1374928	Soil Pulp	0.5	32.5	17.9	64	<0.1	28.7	12.1	260	2.65	5.0	0.6	3.5	220	0.2	0.4	0.3	8	9.69	0.076
1374929	Soil Pulp	0.6	20.2	14.8	80	<0.1	17.7	8.8	630	2.34	5.8	<0.5	0.7	232	0.5	0.4	0.2	13	8.21	0.099
1374930	Soil Pulp	0.6	33.0	20.3	96	<0.1	28.7	11.0	253	2.88	6.9	0.8	2.0	45	0.2	0.4	0.3	13	1.57	0.076
1374931	Soil Pulp	1.0	40.9	17.8	101	<0.1	27.5	10.5	496	2.90	7.8	0.5	1.6	27	0.4	0.5	0.3	23	0.62	0.112
1374932	Soil Pulp	1.0	55.8	25.1	111	0.1	31.4	14.2	428	3.14	8.7	2.2	3.5	42	0.4	0.7	0.3	14	1.31	0.104
1374933	Soil Pulp	1.0	32.9	16.9	78	0.1	29.8	9.8	389	2.75	10.5	2.4	3.2	21	0.3	0.6	0.2	25	0.31	0.062
1374934	Soil Pulp	1.3	63.7	25.6	128	0.1	44.2	16.8	362	3.68	7.3	2.5	4.8	29	0.3	0.7	0.4	14	0.74	0.102
1374935	Soil Pulp	1.0	27.2	17.1	79	0.1	24.6	9.2	458	2.80	10.1	1.3	1.7	47	0.4	0.6	0.2	25	0.90	0.077
1374936	Soil Pulp	0.9	45.0	20.6	98	0.2	27.6	11.1	346	2.59	9.1	3.9	1.5	77	0.4	0.7	0.2	17	2.56	0.106
1374937	Soil Pulp	0.2	31.8	15.3	79	<0.1	33.1	13.1	305	2.57	2.7	2.4	5.3	102	0.1	0.3	0.4	11	5.42	0.117



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1371698	Soil Pulp	18	0.19	191	0.004	1	1.07	0.003	0.08	<0.1	0.09	4.1	0.1	<0.05	3	<0.5	<0.2
1371699	Soil Pulp	18	0.17	73	0.013	2	1.07	0.003	0.10	0.1	0.03	1.5	0.1	<0.05	6	<0.5	<0.2
1371700	Soil Pulp	15	0.10	56	0.010	2	1.04	0.002	0.11	<0.1	0.01	1.5	0.1	<0.05	7	<0.5	<0.2
1374158	Soil Pulp	13	0.16	114	0.004	2	0.72	0.005	0.06	<0.1	0.04	3.4	<0.1	<0.05	2	0.5	<0.2
1374912	Soil Pulp	44	0.33	131	0.009	2	1.41	0.005	0.07	<0.1	0.05	4.2	<0.1	<0.05	6	<0.5	<0.2
1374913	Soil Pulp	15	0.14	877	0.004	1	0.92	0.002	0.05	<0.1	0.35	3.0	0.1	<0.05	3	0.5	<0.2
1374914	Soil Pulp	26	0.34	179	0.014	2	1.46	0.003	0.05	0.2	0.10	1.7	0.1	<0.05	5	0.6	<0.2
1374915	Soil Pulp	16	0.08	85	0.006	2	0.93	0.002	0.03	0.1	0.06	0.8	0.1	<0.05	5	0.6	<0.2
1374916	Soil Pulp	23	0.27	61	0.008	2	1.30	0.002	0.04	0.1	0.09	1.6	<0.1	<0.05	4	<0.5	<0.2
1374917	Soil Pulp	11	0.12	159	0.007	1	0.57	0.002	0.04	0.1	1.12	2.2	0.1	<0.05	3	1.0	<0.2
1374918	Soil Pulp	23	0.37	253	0.010	2	1.27	0.003	0.05	0.2	0.10	2.2	<0.1	<0.05	4	0.7	<0.2
1374919	Soil Pulp	11	0.24	176	0.004	2	0.58	0.002	0.05	<0.1	0.67	4.5	<0.1	<0.05	2	0.8	<0.2
1374920	Soil Pulp	21	0.25	118	0.007	2	1.27	0.002	0.06	<0.1	0.09	2.1	0.1	<0.05	3	<0.5	<0.2
1374921	Soil Pulp	16	0.16	114	0.008	2	0.84	0.002	0.06	0.1	0.13	1.6	<0.1	<0.05	3	<0.5	<0.2
1374922	Soil Pulp	9	0.08	61	0.004	2	0.41	0.002	0.04	<0.1	0.12	2.5	<0.1	<0.05	2	<0.5	<0.2
1374923	Soil Pulp	16	0.07	34	0.014	<1	0.53	0.001	0.03	0.1	0.13	0.8	<0.1	<0.05	3	0.6	<0.2
1374924	Soil Pulp	15	0.26	108	0.006	1	0.83	0.003	0.04	0.1	0.17	2.9	<0.1	<0.05	3	0.7	<0.2
1374925	Soil Pulp	16	0.22	148	0.006	1	0.94	0.003	0.05	0.1	0.13	1.8	<0.1	<0.05	3	<0.5	<0.2
1374926	Soil Pulp	17	0.23	166	0.007	1	0.99	0.003	0.04	0.2	0.10	1.8	<0.1	<0.05	3	<0.5	<0.2
1374927	Soil Pulp	8	0.16	64	0.002	2	0.26	0.002	0.05	<0.1	0.08	4.2	<0.1	<0.05	<1	0.6	<0.2
1374928	Soil Pulp	8	0.54	67	0.002	1	0.27	0.002	0.04	<0.1	0.06	4.0	<0.1	<0.05	<1	<0.5	<0.2
1374929	Soil Pulp	10	0.20	120	0.004	3	0.48	0.002	0.03	<0.1	0.05	1.4	<0.1	<0.05	1	<0.5	<0.2
1374930	Soil Pulp	10	0.13	92	0.003	4	0.41	0.002	0.05	<0.1	0.05	3.5	<0.1	<0.05	1	0.6	<0.2
1374931	Soil Pulp	17	0.25	164	0.005	1	0.99	0.002	0.05	<0.1	0.06	3.0	<0.1	<0.05	2	<0.5	<0.2
1374932	Soil Pulp	10	0.51	71	0.004	2	0.43	0.003	0.06	<0.1	0.13	4.2	<0.1	<0.05	<1	0.7	<0.2
1374933	Soil Pulp	15	0.26	106	0.010	1	0.73	0.004	0.04	0.1	0.06	3.6	<0.1	<0.05	2	<0.5	<0.2
1374934	Soil Pulp	18	0.46	57	0.003	2	0.61	0.002	0.07	<0.1	0.09	5.1	<0.1	<0.05	2	1.2	<0.2
1374935	Soil Pulp	16	0.26	118	0.007	1	0.88	0.003	0.04	0.1	0.08	2.9	<0.1	<0.05	2	0.6	<0.2
1374936	Soil Pulp	12	0.63	105	0.006	2	0.59	0.004	0.06	<0.1	0.27	2.6	<0.1	<0.05	2	0.6	<0.2
1374937	Soil Pulp	21	1.32	54	0.004	4	0.91	0.003	0.10	<0.1	0.05	3.6	0.1	0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1374938	Soil Pulp	1.2	38.6	25.0	85	0.1	32.2	12.9	321	3.04	12.6	<0.5	3.1	46	0.3	0.6	0.3	18	1.76	0.059
1374939	Soil Pulp	0.9	35.4	23.8	100	<0.1	31.7	12.5	433	3.21	12.4	1.3	1.6	76	0.2	0.5	0.3	17	1.32	0.081
1374982	Soil Pulp	1.1	29.3	20.0	97	0.1	21.6	12.7	2642	2.75	12.2	<0.5	0.2	18	0.2	0.7	0.3	21	0.25	0.165
1374983	Soil Pulp	1.8	28.6	16.7	86	<0.1	20.6	10.0	641	3.06	11.0	0.6	1.5	26	0.3	0.6	0.3	22	0.36	0.099
1374984	Soil Pulp	0.9	40.5	22.7	95	0.1	32.5	12.7	471	3.48	13.2	2.1	3.3	36	0.2	0.7	0.3	21	0.64	0.069
1374985	Soil Pulp	3.6	30.7	18.8	56	0.2	22.7	10.7	530	3.04	16.4	0.8	1.6	47	0.2	0.7	0.3	25	0.89	0.085
1374986	Soil Pulp	0.7	53.2	62.5	100	<0.1	38.3	37.2	1877	4.58	19.1	<0.5	3.2	12	0.1	0.4	0.5	22	0.11	0.070
1374987	Soil Pulp	0.9	52.7	22.4	124	<0.1	35.4	14.9	419	3.30	34.6	0.7	1.9	52	0.4	0.6	0.4	14	1.17	0.057
1374988	Soil Pulp	1.1	36.0	31.5	80	0.1	25.0	23.1	3524	3.83	6.2	<0.5	0.5	10	0.2	0.4	0.4	32	0.12	0.143
1374989	Soil Pulp	1.0	32.3	38.7	64	0.1	19.0	17.5	2180	4.62	16.5	1.1	0.8	7	0.1	0.4	0.7	40	0.08	0.108
1374990	Soil Pulp	1.7	39.8	23.7	103	0.1	30.9	17.1	492	3.88	40.6	0.7	2.0	139	0.2	0.5	0.3	14	1.97	0.097
1374991	Soil Pulp	0.8	24.2	26.8	66	<0.1	18.0	17.7	1021	3.70	10.5	<0.5	1.4	7	0.2	0.5	0.3	35	0.18	0.072
1374992	Soil Pulp	1.3	21.1	16.4	62	<0.1	18.7	7.4	549	3.53	9.2	0.7	1.1	7	0.1	0.7	0.3	43	0.05	0.071
1374993	Soil Pulp	0.7	30.2	19.9	67	0.2	26.9	13.3	304	2.74	13.5	0.6	2.4	68	<0.1	0.5	0.3	21	0.97	0.070
1374994	Soil Pulp	0.8	44.2	13.3	55	0.1	22.8	9.0	265	2.47	13.6	8.3	3.4	231	0.3	0.5	0.2	16	5.61	0.086
1374995	Soil Pulp	0.8	43.0	14.8	100	0.1	25.8	10.7	537	2.59	22.8	7.9	2.4	202	0.6	1.0	0.2	18	3.38	0.127
1374996	Soil Pulp	0.7	38.9	18.7	70	<0.1	25.1	11.9	629	3.22	14.0	2.1	3.5	36	0.3	0.5	0.3	22	0.63	0.050
1374997	Soil Pulp	1.0	32.3	17.0	57	<0.1	25.9	11.7	684	3.32	17.3	<0.5	2.7	46	0.4	0.8	0.3	34	0.58	0.060
1374998	Soil Pulp	0.8	41.1	10.8	50	<0.1	22.9	10.4	410	2.84	14.1	1.1	4.5	62	0.2	0.5	0.3	17	2.76	0.089
1374999	Soil Pulp	0.4	23.6	10.1	38	<0.1	18.0	9.2	343	1.97	12.7	1.8	3.6	400	0.1	0.4	0.2	11	15.37	0.068
1375000	Soil Pulp	0.9	35.8	23.8	83	<0.1	24.5	10.4	327	2.58	30.9	1.8	1.7	62	0.5	0.8	0.3	18	1.22	0.075
1382592	Soil Pulp	0.7	43.5	21.9	91	0.1	30.9	13.2	537	2.87	10.0	0.9	3.8	61	0.3	0.5	0.3	12	2.16	0.090
1382593	Soil Pulp	0.6	26.9	20.2	68	0.1	14.6	9.0	439	2.59	6.9	<0.5	0.4	7	0.2	0.3	0.3	20	0.04	0.080
1382594	Soil Pulp	0.8	25.7	26.3	67	<0.1	8.8	8.6	575	3.91	5.7	<0.5	0.4	8	0.2	0.3	0.3	20	0.10	0.084
1382595	Soil Pulp	1.7	46.5	26.7	97	<0.1	29.4	18.9	1043	3.65	10.7	<0.5	0.4	9	0.2	0.6	0.4	21	0.10	0.111
1382596	Soil Pulp	1.1	43.0	17.5	75	<0.1	27.3	15.5	422	3.53	28.2	<0.5	0.5	8	0.4	0.9	0.4	31	0.05	0.071
1382597	Soil Pulp	3.5	114.0	36.2	129	0.1	101.9	40.4	798	6.26	22.4	0.7	3.7	12	0.4	1.2	0.8	10	0.09	0.050
1382598	Soil Pulp	0.8	35.4	25.4	61	0.1	25.3	12.9	260	3.22	26.9	<0.5	0.8	8	<0.1	0.8	0.4	17	0.01	0.081
1382599	Soil Pulp	1.0	36.7	9.4	79	<0.1	20.7	14.4	397	2.86	9.8	1.1	0.6	15	<0.1	0.5	0.5	26	0.01	0.060
1382753	Soil Pulp	0.4	16.8	14.9	56	<0.1	18.4	5.3	197	1.52	11.4	<0.5	0.8	290	0.2	0.2	0.1	5	18.40	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374938	Soil Pulp	13	0.40	135	0.004	2	0.76	0.003	0.05	<0.1	0.08	3.4	<0.1	<0.05	2	<0.5	<0.2
1374939	Soil Pulp	13	0.28	115	0.006	3	0.75	0.003	0.04	<0.1	0.09	3.0	<0.1	<0.05	2	<0.5	<0.2
1374982	Soil Pulp	10	0.06	235	0.006	2	0.47	0.002	0.06	<0.1	0.09	0.6	<0.1	<0.05	2	<0.5	<0.2
1374983	Soil Pulp	13	0.14	137	0.006	<1	0.72	0.002	0.06	<0.1	0.08	2.5	<0.1	<0.05	2	<0.5	<0.2
1374984	Soil Pulp	16	0.21	84	0.005	2	0.59	0.003	0.05	0.1	0.09	4.9	<0.1	<0.05	2	0.9	<0.2
1374985	Soil Pulp	15	0.16	121	0.004	<1	0.84	0.002	0.04	<0.1	0.11	2.8	0.1	<0.05	3	0.6	<0.2
1374986	Soil Pulp	23	0.59	152	0.003	1	1.49	0.002	0.08	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1374987	Soil Pulp	12	0.20	80	0.002	3	0.30	0.002	0.05	<0.1	0.14	4.2	<0.1	<0.05	<1	0.9	<0.2
1374988	Soil Pulp	22	0.27	303	0.007	1	1.11	0.003	0.06	<0.1	0.10	0.9	<0.1	<0.05	5	0.6	<0.2
1374989	Soil Pulp	25	0.25	73	0.007	<1	1.16	0.002	0.06	<0.1	0.06	1.2	<0.1	<0.05	7	0.5	<0.2
1374990	Soil Pulp	13	0.43	47	0.003	2	0.99	0.002	0.03	<0.1	0.09	4.1	0.1	0.07	2	0.6	<0.2
1374991	Soil Pulp	20	0.28	85	0.010	<1	1.10	0.003	0.06	0.1	0.15	2.0	<0.1	<0.05	5	<0.5	<0.2
1374992	Soil Pulp	21	0.26	122	0.010	1	1.22	0.003	0.05	0.1	0.06	1.6	<0.1	<0.05	5	<0.5	<0.2
1374993	Soil Pulp	16	0.33	99	0.005	2	0.98	0.004	0.05	0.1	0.26	3.9	<0.1	<0.05	3	<0.5	<0.2
1374994	Soil Pulp	10	0.94	131	0.003	2	0.37	0.004	0.06	<0.1	0.13	4.5	<0.1	<0.05	<1	<0.5	<0.2
1374995	Soil Pulp	12	0.30	243	0.004	4	0.49	0.004	0.08	<0.1	0.12	3.4	<0.1	<0.05	1	0.9	<0.2
1374996	Soil Pulp	14	0.26	133	0.004	3	0.77	0.003	0.06	<0.1	0.09	5.2	<0.1	<0.05	2	<0.5	<0.2
1374997	Soil Pulp	19	0.21	116	0.007	2	1.04	0.004	0.05	0.1	0.07	4.3	<0.1	<0.05	3	0.6	<0.2
1374998	Soil Pulp	11	1.16	66	0.005	2	0.41	0.006	0.06	<0.1	0.08	6.1	<0.1	<0.05	1	<0.5	<0.2
1374999	Soil Pulp	9	0.65	35	0.004	2	0.26	0.003	0.04	<0.1	0.03	3.9	<0.1	<0.05	<1	<0.5	<0.2
1375000	Soil Pulp	13	0.13	80	0.004	2	0.69	0.003	0.05	<0.1	0.12	3.3	<0.1	<0.05	2	<0.5	<0.2
1382592	Soil Pulp	10	0.80	95	0.003	4	0.50	0.005	0.10	<0.1	0.05	4.2	<0.1	<0.05	1	<0.5	<0.2
1382593	Soil Pulp	12	0.10	57	0.004	2	0.77	0.004	0.06	<0.1	0.04	0.9	0.1	<0.05	3	<0.5	<0.2
1382594	Soil Pulp	8	0.06	84	0.003	2	0.44	0.003	0.08	<0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1382595	Soil Pulp	12	0.08	82	0.003	2	0.58	0.002	0.08	<0.1	0.06	1.1	<0.1	<0.05	3	0.5	<0.2
1382596	Soil Pulp	16	0.19	79	0.007	1	1.01	0.002	0.06	<0.1	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1382597	Soil Pulp	6	0.09	54	<0.001	1	0.49	0.001	0.05	<0.1	1.43	9.3	0.1	<0.05	1	0.7	<0.2
1382598	Soil Pulp	10	0.07	48	0.003	2	0.76	0.003	0.05	<0.1	0.16	1.7	0.1	<0.05	2	0.6	<0.2
1382599	Soil Pulp	6	0.04	42	0.003	2	0.38	0.002	0.05	<0.1	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1382753	Soil Pulp	5	0.20	76	0.001	4	0.22	0.003	0.03	<0.1	0.11	1.6	0.1	<0.05	<1	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1382754	Soil Pulp	0.7	33.5	18.1	141	<0.1	26.4	12.2	738	2.30	3.9	2.2	4.2	45	0.9	0.6	0.3	15	1.26	0.124
1382755	Soil Pulp	1.0	38.6	25.0	86	0.1	34.9	14.9	388	2.88	27.5	<0.5	3.1	56	0.1	0.5	0.3	10	1.48	0.045
1382756	Soil Pulp	0.7	28.4	12.4	75	<0.1	30.0	11.8	259	3.24	7.4	<0.5	3.5	20	0.2	0.3	0.3	12	0.44	0.031
1382757	Soil Pulp	0.7	36.6	12.5	63	<0.1	25.3	11.0	331	3.02	10.5	<0.5	1.8	23	0.1	0.3	0.4	13	0.30	0.039
1382758	Soil Pulp	0.6	44.9	26.3	90	<0.1	39.1	18.2	315	3.56	18.1	<0.5	2.7	21	0.1	0.5	0.4	8	0.43	0.042
1382759	Soil Pulp	0.9	41.0	25.9	103	0.1	38.2	16.9	400	4.09	19.5	0.7	3.2	19	0.2	0.8	0.5	16	0.28	0.046
1382760	Soil Pulp	2.8	621.8	31.8	92	0.4	49.2	22.4	1476	7.95	51.7	2.1	1.7	12	0.3	6.9	0.4	28	0.70	0.077
1382761	Soil Pulp	1.3	150.3	18.8	59	0.3	50.3	30.6	1830	5.20	40.3	3.7	1.0	20	0.2	4.7	0.3	33	0.99	0.060
1382762	Soil Pulp	1.0	19.0	13.6	44	<0.1	13.4	7.4	418	2.56	24.3	<0.5	0.7	5	0.1	0.8	0.3	48	0.03	0.031
1382763	Soil Pulp	1.5	25.2	13.7	76	<0.1	23.1	10.9	347	3.82	31.1	0.9	2.1	6	0.3	1.0	0.3	52	0.04	0.029
1382764	Soil Pulp	1.3	34.7	10.5	53	<0.1	31.8	15.9	538	4.41	83.3	<0.5	3.3	10	0.2	1.2	0.2	41	0.39	0.033
1382765	Soil Pulp	0.8	55.1	13.8	44	0.2	25.4	13.0	840	2.39	18.5	2.6	0.5	74	0.3	1.5	0.2	20	2.72	0.107
1382766	Soil Pulp	1.5	137.3	9.9	68	0.2	38.2	21.9	586	4.52	4.0	9.4	1.5	27	0.3	0.5	0.2	42	1.02	0.062
1382767	Soil Pulp	0.7	174.4	7.7	77	<0.1	58.4	30.2	403	6.36	1.9	1.4	1.9	3	0.2	0.3	0.3	58	0.03	0.041
1382768	Soil Pulp	1.5	34.0	11.4	71	<0.1	23.1	11.8	417	4.40	12.1	0.5	2.7	7	0.2	1.0	0.3	68	0.05	0.037
1382769	Soil Pulp	1.8	171.3	11.6	75	0.2	46.9	31.8	724	6.33	10.1	9.1	2.3	12	0.3	0.9	0.4	32	0.42	0.048
1382770	Soil Pulp	0.8	93.2	10.2	63	0.1	43.0	26.9	728	5.64	9.2	4.9	2.7	32	0.3	1.2	0.4	26	0.38	0.035
1382771	Soil Pulp	1.0	105.3	18.8	64	0.1	43.8	23.5	350	5.04	18.1	4.4	1.7	16	0.2	2.2	0.3	25	0.91	0.048
1382772	Soil Pulp	1.5	89.6	32.5	48	0.2	48.4	25.8	914	6.09	31.8	3.3	1.7	10	0.5	5.1	0.4	23	0.63	0.048
1382773	Soil Pulp	2.4	114.7	31.3	75	0.5	57.8	29.0	1502	7.31	39.1	4.9	1.5	20	0.3	6.8	0.4	25	1.51	0.067
1382774	Soil Pulp	1.2	96.1	20.3	83	0.2	42.9	27.4	754	5.61	29.7	3.3	1.3	30	0.4	3.5	0.3	28	0.79	0.054
1382775	Soil Pulp	0.9	148.7	14.3	60	<0.1	29.9	25.1	733	5.20	11.1	4.3	1.6	6	0.2	0.8	0.3	83	0.12	0.062
1382776	Soil Pulp	1.8	174.0	16.4	80	0.1	42.8	30.2	947	6.65	13.0	9.5	1.6	12	0.3	1.3	0.3	51	0.46	0.083
1382777	Soil Pulp	4.7	99.2	37.1	51	0.3	49.8	27.4	700	6.06	34.6	2.5	2.6	16	0.3	4.4	0.3	20	0.64	0.051
1382778	Soil Pulp	1.4	119.5	41.5	123	<0.1	42.7	41.0	1495	8.74	18.7	4.7	2.5	10	0.4	1.7	0.4	39	0.30	0.074
1382779	Soil Pulp	1.1	89.9	23.7	83	0.1	32.9	20.5	650	6.81	19.2	1.5	2.5	4	0.2	0.9	0.4	52	0.02	0.048
1382780	Soil Pulp	1.4	131.2	24.3	82	<0.1	40.2	26.6	613	6.49	13.3	2.5	2.3	5	0.3	1.0	0.4	41	0.05	0.066
1382781	Soil Pulp	1.1	119.7	18.5	88	<0.1	41.7	22.4	454	6.49	20.5	2.4	2.1	4	0.3	1.5	0.4	32	0.03	0.054
1382782	Soil Pulp	0.9	129.5	26.7	91	0.1	42.8	25.0	612	5.27	17.1	3.0	3.4	15	0.2	0.7	0.4	37	0.34	0.039
1382783	Soil Pulp	0.9	54.6	21.1	74	<0.1	26.5	14.1	359	5.34	16.1	2.5	2.1	6	0.2	0.8	0.4	46	0.03	0.052



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382754	Soil Pulp	11	0.20	101	0.002	3	0.36	0.002	0.07	<0.1	0.06	5.4	<0.1	<0.05	<1	<0.5	<0.2
1382755	Soil Pulp	6	0.10	62	<0.001	2	0.31	0.002	0.08	<0.1	0.07	4.5	<0.1	<0.05	<1	<0.5	<0.2
1382756	Soil Pulp	9	0.21	60	0.001	2	0.53	0.002	0.06	<0.1	0.03	4.6	<0.1	<0.05	1	<0.5	<0.2
1382757	Soil Pulp	8	0.05	45	0.001	1	0.32	0.002	0.06	<0.1	0.02	3.2	<0.1	<0.05	1	<0.5	<0.2
1382758	Soil Pulp	5	0.06	85	<0.001	2	0.28	0.002	0.06	<0.1	0.17	4.5	<0.1	<0.05	<1	<0.5	<0.2
1382759	Soil Pulp	10	0.13	95	0.004	2	0.51	0.002	0.06	<0.1	0.18	5.1	<0.1	<0.05	1	<0.5	<0.2
1382760	Soil Pulp	11	0.12	109	0.002	2	0.50	0.002	0.05	<0.1	0.62	6.6	<0.1	<0.05	1	0.8	<0.2
1382761	Soil Pulp	14	0.30	175	0.004	2	0.66	0.003	0.05	<0.1	0.67	6.4	<0.1	<0.05	2	0.8	<0.2
1382762	Soil Pulp	13	0.07	68	0.012	1	0.75	0.002	0.07	0.1	0.03	1.4	0.1	<0.05	5	<0.5	<0.2
1382763	Soil Pulp	21	0.19	82	0.012	2	0.98	0.002	0.06	0.1	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
1382764	Soil Pulp	18	0.19	99	0.005	2	0.94	0.003	0.07	<0.1	0.08	3.6	<0.1	<0.05	3	<0.5	<0.2
1382765	Soil Pulp	12	0.21	401	0.006	5	0.96	0.007	0.05	<0.1	0.26	3.1	<0.1	0.09	2	0.7	<0.2
1382766	Soil Pulp	23	0.64	568	0.004	3	1.45	0.003	0.06	<0.1	0.13	9.9	<0.1	<0.05	4	0.6	<0.2
1382767	Soil Pulp	33	0.90	114	0.004	2	2.38	0.001	0.05	<0.1	0.06	7.6	<0.1	<0.05	7	<0.5	<0.2
1382768	Soil Pulp	30	0.46	101	0.015	2	1.66	0.003	0.07	0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1382769	Soil Pulp	17	0.35	321	0.002	3	1.09	0.002	0.06	<0.1	0.30	15.2	<0.1	<0.05	3	<0.5	0.3
1382770	Soil Pulp	11	0.24	698	0.002	1	0.73	0.002	0.06	<0.1	0.49	11.1	<0.1	<0.05	2	<0.5	0.2
1382771	Soil Pulp	12	0.26	103	0.001	3	0.65	0.002	0.05	<0.1	0.33	10.5	<0.1	<0.05	2	<0.5	<0.2
1382772	Soil Pulp	13	0.37	62	0.002	7	0.82	0.003	0.07	<0.1	0.35	8.9	<0.1	0.11	2	<0.5	<0.2
1382773	Soil Pulp	15	0.67	70	0.001	2	0.76	0.003	0.05	<0.1	0.45	8.5	<0.1	0.07	2	<0.5	<0.2
1382774	Soil Pulp	16	0.38	52	0.005	6	0.76	0.003	0.05	<0.1	0.28	8.0	<0.1	0.13	2	1.3	<0.2
1382775	Soil Pulp	26	0.73	91	0.005	2	1.80	0.003	0.04	<0.1	0.10	7.1	<0.1	0.08	7	1.6	<0.2
1382776	Soil Pulp	24	0.68	200	0.005	3	1.52	0.002	0.06	<0.1	0.20	10.4	<0.1	0.08	5	0.8	0.2
1382777	Soil Pulp	10	0.20	117	0.004	3	0.60	0.003	0.08	<0.1	0.33	9.3	0.1	0.09	2	0.6	<0.2
1382778	Soil Pulp	27	0.87	99	0.003	3	1.75	0.003	0.05	<0.1	0.16	6.1	0.3	0.08	5	1.2	<0.2
1382779	Soil Pulp	33	0.66	59	0.004	1	2.15	0.002	0.05	<0.1	0.04	3.4	<0.1	0.05	7	0.9	0.2
1382780	Soil Pulp	28	0.74	34	0.003	3	1.89	0.002	0.05	<0.1	0.07	4.5	<0.1	0.07	6	0.6	<0.2
1382781	Soil Pulp	17	0.30	44	0.002	4	1.01	0.002	0.06	<0.1	0.07	6.0	<0.1	0.08	3	0.8	0.2
1382782	Soil Pulp	27	0.71	92	0.004	4	1.90	0.004	0.06	<0.1	0.08	6.7	<0.1	<0.05	5	1.1	<0.2
1382783	Soil Pulp	26	0.45	60	0.005	2	1.71	0.003	0.06	<0.1	0.04	2.8	0.1	0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1382784	Soil Pulp	1.1	42.2	25.5	84	<0.1	29.9	20.8	852	5.83	11.3	3.1	0.9	9	0.3	1.0	0.4	54	0.22	0.087
1382785	Soil Pulp	1.5	66.9	20.4	77	<0.1	34.2	19.8	940	6.30	14.6	2.2	1.6	18	0.1	0.7	0.4	45	0.60	0.078
1382786	Soil Pulp	1.1	71.9	17.4	74	0.2	21.0	12.6	503	3.91	17.9	5.5	1.0	22	0.3	0.8	0.2	28	1.06	0.102
1382787	Soil Pulp	0.8	49.5	14.2	68	<0.1	28.5	16.1	422	4.42	17.8	1.7	2.2	6	0.3	0.7	0.3	53	0.03	0.041
1382788	Soil Pulp	0.7	25.1	14.0	78	<0.1	20.0	10.3	432	3.42	14.3	1.7	1.8	15	0.2	0.6	0.3	36	0.55	0.068
1383086	Soil Pulp	1.0	27.4	18.0	58	<0.1	14.6	8.2	418	4.01	7.9	3.6	0.7	6	0.1	0.6	0.4	30	0.03	0.065
1383087	Soil Pulp	0.8	35.6	31.7	69	<0.1	30.8	23.2	1428	4.09	10.4	2.1	2.8	18	0.1	0.4	0.4	18	0.13	0.059
1383088	Soil Pulp	1.2	17.7	17.0	56	<0.1	16.4	9.0	539	3.74	10.4	2.7	1.1	6	0.2	0.6	0.4	35	0.04	0.061
1383089	Soil Pulp	1.5	21.9	23.3	81	<0.1	18.5	14.0	1331	4.25	10.6	1.7	0.9	8	0.3	0.7	0.4	48	0.04	0.070
1383090	Soil Pulp	1.3	22.7	16.2	48	<0.1	11.6	9.7	1214	2.88	5.3	2.2	0.4	7	<0.1	0.6	0.3	36	0.03	0.081
1383091	Soil Pulp	1.2	18.8	13.8	63	0.2	12.3	7.0	769	2.78	6.7	0.8	0.4	7	0.2	0.7	0.3	39	0.04	0.080
1383092	Soil Pulp	1.3	21.2	16.7	63	<0.1	14.8	9.0	901	3.85	8.0	1.6	1.3	7	0.1	0.6	0.4	42	0.03	0.062
1383093	Soil Pulp	1.2	22.4	23.0	87	0.1	15.5	11.2	1420	5.73	7.4	3.3	1.1	6	0.2	0.6	0.4	46	0.03	0.109
1383094	Soil Pulp	1.1	18.3	14.7	59	<0.1	12.9	6.7	413	3.10	8.3	1.5	2.0	7	0.1	0.7	0.3	42	0.03	0.041
1383095	Soil Pulp	1.1	22.3	26.4	55	<0.1	18.8	14.8	2958	4.61	12.9	0.7	1.4	9	0.2	0.6	0.4	26	0.15	0.092
1383096	Soil Pulp	0.7	29.2	31.8	78	<0.1	27.8	26.8	1708	4.23	10.2	<0.5	4.9	9	0.1	0.3	0.5	28	0.03	0.045
1383097	Soil Pulp	1.2	14.9	23.6	32	0.3	8.9	4.2	118	2.38	9.8	1.6	0.3	27	<0.1	0.5	0.3	29	0.03	0.115
1383098	Soil Pulp	1.2	35.1	30.1	75	<0.1	21.6	20.7	1129	3.70	9.9	3.8	1.8	10	<0.1	0.7	0.4	36	0.05	0.097
1383099	Soil Pulp	0.9	28.9	42.3	75	0.1	18.2	19.2	2535	3.83	8.3	1.5	1.1	7	0.2	0.5	0.4	25	0.04	0.140
1383101	Soil Pulp	1.5	25.4	25.1	95	<0.1	26.9	14.8	778	3.99	13.3	2.3	1.6	12	0.2	0.8	0.4	45	0.08	0.066
1383102	Soil Pulp	1.0	28.4	25.7	64	0.2	13.5	11.6	1327	2.52	7.2	1.4	0.5	40	0.2	0.4	0.3	25	0.15	0.132
1383103	Soil Pulp	1.2	24.2	12.6	61	<0.1	16.9	7.5	387	3.33	8.4	4.1	0.9	7	<0.1	0.7	0.3	38	0.04	0.064
1383104	Soil Pulp	1.1	35.2	16.1	74	<0.1	22.7	18.1	1155	4.30	5.2	3.1	1.9	9	0.2	0.5	0.4	36	0.04	0.078
1383203	Soil Pulp	0.8	30.9	17.4	72	0.3	23.6	8.3	317	2.81	6.7	3.8	1.1	37	0.2	0.5	0.2	20	0.69	0.068
1383232	Soil Pulp	1.1	24.7	10.3	74	<0.1	14.8	8.2	193	2.20	11.7	1.7	0.8	18	0.1	0.9	0.4	36	0.03	0.048
1383233	Soil Pulp	0.6	18.6	17.1	97	<0.1	20.9	7.9	250	2.61	10.1	1.2	1.8	35	0.2	0.5	0.3	24	0.49	0.052
1383234	Soil Pulp	0.7	16.5	14.4	81	0.1	16.6	5.6	226	2.11	7.5	0.7	1.7	45	0.3	0.4	0.3	22	0.68	0.100
1383235	Soil Pulp	0.9	16.5	14.1	78	<0.1	20.9	8.3	345	2.67	9.2	1.0	1.5	25	0.1	0.6	0.3	36	0.37	0.086
1383236	Soil Pulp	0.7	19.5	16.8	70	<0.1	22.3	9.4	472	3.02	9.6	2.0	1.7	40	0.2	0.6	0.3	32	0.82	0.094
1383237	Soil Pulp	0.6	30.9	17.9	83	<0.1	27.6	10.6	448	3.11	7.1	1.4	2.3	38	0.3	0.6	0.4	19	0.87	0.098



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382784	Soil Pulp	23	0.34	112	0.006	2	1.54	0.003	0.05	<0.1	0.07	2.8	0.1	0.07	7	0.8	<0.2
1382785	Soil Pulp	23	0.52	281	0.004	3	1.57	0.004	0.05	<0.1	0.07	4.5	0.1	0.07	5	1.1	<0.2
1382786	Soil Pulp	27	0.36	207	0.006	5	1.04	0.004	0.05	<0.1	0.28	7.9	<0.1	0.17	3	1.6	<0.2
1382787	Soil Pulp	27	0.41	72	0.014	1	1.50	0.003	0.05	0.1	0.06	3.4	<0.1	0.06	5	0.7	<0.2
1382788	Soil Pulp	22	0.38	221	0.007	1	1.25	0.008	0.06	0.1	0.09	4.2	0.1	0.07	4	<0.5	<0.2
1383086	Soil Pulp	19	0.19	53	0.010	2	1.13	0.002	0.08	<0.1	0.05	0.9	0.1	0.07	5	1.0	<0.2
1383087	Soil Pulp	15	0.23	123	0.005	2	1.03	0.004	0.14	<0.1	0.05	2.7	0.1	0.10	3	1.3	<0.2
1383088	Soil Pulp	22	0.27	67	0.011	4	1.35	0.003	0.08	0.1	0.05	1.0	0.1	0.06	5	<0.5	<0.2
1383089	Soil Pulp	28	0.30	81	0.019	3	1.53	0.003	0.10	0.1	0.07	1.6	0.1	0.08	7	0.5	<0.2
1383090	Soil Pulp	18	0.15	94	0.010	<1	1.01	0.003	0.08	<0.1	0.05	0.8	0.1	0.08	5	<0.5	<0.2
1383091	Soil Pulp	17	0.15	90	0.007	2	0.93	0.003	0.07	<0.1	0.06	0.5	<0.1	0.10	5	<0.5	<0.2
1383092	Soil Pulp	24	0.22	85	0.007	2	1.47	0.003	0.07	0.1	0.08	1.2	0.1	0.05	6	1.0	<0.2
1383093	Soil Pulp	24	0.21	73	0.013	3	1.45	0.004	0.10	0.1	0.07	1.3	0.1	0.09	8	0.6	<0.2
1383094	Soil Pulp	19	0.21	57	0.010	3	1.22	0.003	0.09	0.1	0.03	1.5	0.1	<0.05	6	0.5	<0.2
1383095	Soil Pulp	17	0.18	130	0.005	2	1.28	0.002	0.08	<0.1	0.06	1.8	0.1	0.08	4	0.9	<0.2
1383096	Soil Pulp	28	0.41	88	0.007	4	1.69	0.003	0.12	<0.1	0.05	3.0	0.1	0.05	7	0.8	<0.2
1383097	Soil Pulp	12	0.06	107	0.006	1	0.86	0.006	0.08	<0.1	0.08	0.4	0.1	0.13	4	0.9	<0.2
1383098	Soil Pulp	23	0.34	78	0.010	2	1.51	0.007	0.12	<0.1	0.03	2.0	0.2	0.05	6	<0.5	<0.2
1383099	Soil Pulp	23	0.25	97	0.007	2	1.35	0.003	0.12	<0.1	0.10	1.1	0.1	0.13	5	<0.5	<0.2
1383101	Soil Pulp	30	0.48	95	0.021	2	1.71	0.005	0.10	0.2	0.04	1.8	0.1	<0.05	6	0.6	<0.2
1383102	Soil Pulp	17	0.16	114	0.007	4	1.08	0.005	0.16	<0.1	0.06	1.3	0.1	0.15	5	1.2	<0.2
1383103	Soil Pulp	24	0.29	55	0.011	3	1.29	0.004	0.06	0.1	0.06	1.3	0.1	<0.05	5	0.9	<0.2
1383104	Soil Pulp	29	0.44	52	0.010	3	1.65	0.006	0.07	<0.1	0.05	2.4	<0.1	0.05	6	1.2	<0.2
1383203	Soil Pulp	16	0.25	104	0.004	6	0.91	0.005	0.07	<0.1	0.12	3.9	<0.1	0.08	2	2.6	<0.2
1383232	Soil Pulp	11	0.06	86	0.005	9	0.65	0.004	0.06	0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1383233	Soil Pulp	16	0.30	114	0.007	3	0.96	0.005	0.06	0.1	0.09	2.6	<0.1	0.06	3	<0.5	<0.2
1383234	Soil Pulp	14	0.33	140	0.004	4	0.97	0.005	0.06	0.1	0.09	2.1	<0.1	0.07	3	<0.5	<0.2
1383235	Soil Pulp	21	0.38	155	0.008	4	1.37	0.005	0.06	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1383236	Soil Pulp	21	0.30	174	0.007	3	1.35	0.005	0.06	0.2	0.03	2.7	<0.1	<0.05	4	0.5	<0.2
1383237	Soil Pulp	14	0.20	121	0.007	4	0.74	0.003	0.10	<0.1	0.04	4.2	<0.1	<0.05	2	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383238	Soil Pulp	1.2	32.8	21.9	69	<0.1	15.1	5.9	222	3.05	14.3	0.9	2.4	26	0.2	0.6	0.4	13	0.41	0.067	6
1383239	Soil Pulp	0.6	27.9	17.8	77	<0.1	28.5	11.4	363	2.92	6.0	1.5	4.3	207	0.2	0.5	0.3	12	6.69	0.106	11
1383240	Soil Pulp	0.6	25.4	16.7	85	<0.1	24.1	9.3	461	2.95	9.4	<0.5	2.4	22	0.3	0.5	0.4	19	0.38	0.100	14
1383241	Soil Pulp	0.7	20.1	18.0	105	<0.1	18.8	7.0	507	2.65	8.8	1.1	1.5	42	0.5	0.6	0.2	23	0.68	0.096	14
1383242	Soil Pulp	0.6	25.4	16.2	74	<0.1	19.4	6.2	210	2.48	8.0	1.7	1.5	40	0.3	0.5	0.3	20	0.59	0.078	20
1383434	Soil Pulp	0.8	65.1	15.1	74	<0.1	36.7	16.6	596	4.83	38.5	1.0	2.8	15	0.1	1.4	0.5	29	0.22	0.050	6
1383435	Soil Pulp	1.1	19.7	20.5	79	<0.1	15.7	7.2	442	3.14	17.9	1.3	0.5	9	<0.1	0.8	0.4	42	0.05	0.070	10
1383436	Soil Pulp	0.8	45.8	16.1	51	<0.1	30.2	16.5	551	3.94	47.0	1.1	2.6	13	0.1	1.6	0.5	21	0.17	0.072	6
1383437	Soil Pulp	0.5	65.5	9.1	44	<0.1	36.7	14.3	391	3.60	98.5	1.9	2.7	12	<0.1	1.2	0.4	25	0.19	0.064	5
1383438	Soil Pulp	0.7	59.2	16.2	63	<0.1	28.3	19.5	562	5.23	25.6	1.9	1.7	9	<0.1	1.2	0.5	26	0.01	0.062	3
1383439	Soil Pulp	1.3	58.5	25.0	67	<0.1	39.7	22.2	625	4.29	58.1	1.7	1.8	9	0.1	3.1	0.5	31	0.04	0.060	7
1383440	Soil Pulp	1.0	29.6	18.2	70	<0.1	22.1	9.7	280	3.69	35.5	1.1	1.7	8	0.2	1.2	0.4	35	0.04	0.047	7
1383441	Soil Pulp	1.2	40.8	31.0	74	<0.1	32.8	14.9	377	4.55	51.7	2.5	1.2	10	0.2	3.1	0.5	34	0.03	0.054	8
1383442	Soil Pulp	0.9	12.3	14.0	36	<0.1	9.4	4.0	195	2.39	11.5	1.4	0.6	8	0.1	0.6	0.3	34	0.03	0.062	8
1383443	Soil Pulp	0.9	43.7	34.8	66	0.1	30.8	14.5	477	5.49	67.6	1.6	1.8	7	0.1	3.4	0.4	32	0.03	0.074	6
1383444	Soil Pulp	0.9	78.5	20.6	156	0.1	41.5	21.1	1603	5.52	48.9	0.9	3.1	20	0.4	2.1	0.3	37	0.54	0.097	6
1383445	Soil Pulp	0.8	28.5	20.2	71	<0.1	25.3	11.1	460	3.36	19.2	2.2	2.3	20	0.1	0.7	0.4	31	0.50	0.080	7
1383446	Soil Pulp	1.4	17.7	12.8	44	<0.1	12.4	6.4	354	2.58	11.7	1.6	0.6	9	<0.1	0.7	0.4	45	0.05	0.044	10
1383447	Soil Pulp	1.1	71.1	16.2	94	<0.1	35.6	21.5	1012	4.55	39.5	2.6	1.5	9	0.2	1.3	0.3	54	0.11	0.091	9
1383448	Soil Pulp	1.5	55.6	26.6	84	<0.1	34.3	24.6	719	4.45	48.0	0.6	2.7	10	0.2	3.1	0.5	26	0.12	0.068	7
1383449	Soil Pulp	1.4	15.9	13.7	62	<0.1	12.9	7.5	813	2.54	10.4	<0.5	0.6	20	0.2	0.6	0.4	48	0.36	0.121	9
1383450	Soil Pulp	0.9	77.3	22.5	91	<0.1	39.0	20.7	827	5.27	42.5	4.5	2.8	12	0.1	1.7	0.4	40	0.22	0.047	6
1383451	Soil Pulp	0.9	66.6	21.6	76	<0.1	33.1	14.8	483	5.67	36.9	1.2	3.1	7	0.1	1.3	0.4	48	0.02	0.038	6
1383452	Soil Pulp	1.1	89.3	22.0	84	<0.1	46.1	27.4	949	5.23	43.7	2.1	3.7	9	0.2	2.1	0.4	45	0.06	0.041	9
1384650	Soil Pulp	0.8	124.7	17.7	75	<0.1	39.8	24.8	1349	4.76	16.0	8.3	4.5	13	0.2	0.8	0.3	58	0.16	0.049	17
1384651	Soil Pulp	0.8	145.1	16.3	80	0.2	48.0	30.6	721	6.52	13.3	12.4	2.4	13	0.4	0.7	0.4	56	0.36	0.078	5
1384652	Soil Pulp	1.0	98.0	81.7	82	<0.1	45.7	37.3	2151	7.26	44.2	2.1	1.1	22	0.3	1.2	0.3	167	0.46	0.173	12
1384653	Soil Pulp	1.0	203.9	26.3	76	<0.1	51.4	31.1	1309	7.61	43.3	2.8	1.3	19	0.3	1.3	0.2	121	0.44	0.115	9
1384654	Soil Pulp	1.2	101.2	32.0	80	0.1	40.9	20.9	651	5.21	42.3	3.4	2.2	15	0.4	1.6	0.3	60	0.27	0.084	11
1384655	Soil Pulp	0.9	69.1	16.1	62	<0.1	32.1	17.0	757	4.42	41.8	2.1	0.7	15	0.3	1.3	0.3	54	0.31	0.097	7



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383238	Soil Pulp	10	0.12	109	0.002	2	0.78	0.002	0.07	<0.1	0.23	2.1	0.1	<0.05	3	0.5	<0.2
1383239	Soil Pulp	12	0.30	97	0.004	3	0.53	0.003	0.07	<0.1	0.05	4.4	<0.1	<0.05	1	<0.5	<0.2
1383240	Soil Pulp	13	0.21	128	0.004	2	0.78	0.003	0.08	0.1	0.05	3.4	<0.1	<0.05	2	<0.5	<0.2
1383241	Soil Pulp	14	0.22	107	0.009	3	0.84	0.004	0.06	<0.1	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1383242	Soil Pulp	14	0.29	105	0.007	3	0.89	0.004	0.06	<0.1	0.07	2.8	<0.1	<0.05	2	<0.5	<0.2
1383434	Soil Pulp	15	0.22	108	0.006	1	0.73	0.003	0.08	<0.1	0.08	8.7	<0.1	<0.05	2	<0.5	<0.2
1383435	Soil Pulp	19	0.19	76	0.008	3	1.14	0.003	0.07	0.2	0.04	1.1	0.1	<0.05	5	<0.5	<0.2
1383436	Soil Pulp	11	0.15	109	0.004	4	0.56	0.002	0.09	<0.1	0.05	6.6	<0.1	<0.05	2	<0.5	<0.2
1383437	Soil Pulp	12	0.13	108	0.005	1	0.59	0.004	0.08	<0.1	0.07	8.4	<0.1	<0.05	2	<0.5	<0.2
1383438	Soil Pulp	9	0.08	30	0.002	4	0.45	0.002	0.08	<0.1	0.02	7.4	0.1	<0.05	2	<0.5	<0.2
1383439	Soil Pulp	16	0.18	162	0.006	2	0.97	0.003	0.06	<0.1	0.09	4.9	0.1	<0.05	4	0.8	<0.2
1383440	Soil Pulp	16	0.23	82	0.005	1	0.99	0.003	0.06	<0.1	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1383441	Soil Pulp	18	0.24	101	0.007	2	1.26	0.003	0.06	0.1	0.11	3.4	0.1	<0.05	5	<0.5	<0.2
1383442	Soil Pulp	16	0.16	66	0.006	3	1.18	0.003	0.06	<0.1	0.04	0.7	0.2	<0.05	5	<0.5	<0.2
1383443	Soil Pulp	18	0.18	56	0.007	4	1.16	0.003	0.07	<0.1	0.13	3.5	0.1	<0.05	4	<0.5	<0.2
1383444	Soil Pulp	16	0.25	118	0.005	3	0.91	0.004	0.06	<0.1	0.29	5.0	<0.1	<0.05	3	0.9	<0.2
1383445	Soil Pulp	22	0.44	226	0.003	<1	1.49	0.005	0.06	<0.1	0.08	3.0	<0.1	<0.05	5	<0.5	<0.2
1383446	Soil Pulp	20	0.21	122	0.008	<1	1.24	0.004	0.06	0.1	0.04	1.3	0.1	<0.05	6	<0.5	<0.2
1383447	Soil Pulp	30	0.36	114	0.004	3	1.26	0.005	0.06	<0.1	0.09	6.4	<0.1	<0.05	4	<0.5	<0.2
1383448	Soil Pulp	18	0.26	101	0.004	2	0.93	0.004	0.08	<0.1	0.15	3.9	<0.1	<0.05	3	0.5	<0.2
1383449	Soil Pulp	21	0.24	250	0.010	2	1.18	0.005	0.08	0.1	0.04	1.5	0.1	<0.05	6	<0.5	<0.2
1383450	Soil Pulp	26	0.36	116	0.002	2	1.24	0.004	0.07	<0.1	0.14	6.3	<0.1	<0.05	4	0.5	<0.2
1383451	Soil Pulp	29	0.37	79	0.003	3	1.58	0.004	0.06	<0.1	0.07	4.9	0.1	<0.05	6	<0.5	<0.2
1383452	Soil Pulp	27	0.39	119	0.004	2	1.27	0.003	0.06	<0.1	0.13	6.2	<0.1	<0.05	4	0.6	<0.2
1384650	Soil Pulp	33	0.94	239	0.019	2	1.99	0.006	0.07	<0.1	0.08	9.0	<0.1	<0.05	6	0.8	<0.2
1384651	Soil Pulp	28	0.92	280	0.005	2	1.85	0.003	0.06	<0.1	0.19	17.1	<0.1	<0.05	6	<0.5	0.2
1384652	Soil Pulp	79	0.81	130	0.009	4	2.27	0.004	0.06	<0.1	0.14	16.4	<0.1	0.07	9	0.8	<0.2
1384653	Soil Pulp	56	0.69	115	0.009	2	1.73	0.005	0.06	<0.1	0.05	15.3	<0.1	0.06	6	1.1	<0.2
1384654	Soil Pulp	31	0.49	188	0.008	3	1.42	0.004	0.06	<0.1	0.09	8.5	<0.1	<0.05	5	0.6	<0.2
1384655	Soil Pulp	23	0.29	179	0.008	2	0.98	0.005	0.07	0.1	0.07	4.8	<0.1	<0.05	4	1.3	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1384656	Soil Pulp	1.3	76.4	17.3	61	<0.1	34.0	19.2	631	4.40	36.2	1.3	1.3	13	0.2	0.9	0.3	46	0.45	0.113	5
1384657	Soil Pulp	1.3	66.1	19.4	62	0.2	31.0	15.1	466	4.28	43.2	1.6	0.9	13	0.2	1.2	0.3	34	0.22	0.102	4
1384658	Soil Pulp	0.9	103.9	29.8	105	0.3	48.7	26.9	993	5.31	45.7	4.2	0.8	33	1.3	1.7	0.3	38	0.81	0.098	7
1384659	Soil Pulp	5.0	112.3	30.4	105	0.2	52.5	19.6	748	6.89	38.0	3.1	3.0	18	0.3	1.8	0.5	19	0.27	0.056	4
1384660	Soil Pulp	0.6	70.1	16.0	79	<0.1	36.5	24.8	1935	7.78	37.0	0.9	1.2	16	0.1	0.6	0.2	58	0.45	0.109	5
1384662	Soil Pulp	0.9	104.5	13.4	84	0.1	42.6	27.8	987	5.94	39.7	4.2	1.3	23	0.3	0.7	0.2	97	0.63	0.092	11
1384663	Soil Pulp	0.7	224.8	13.4	87	0.1	68.9	40.3	742	7.45	45.7	4.8	1.6	10	0.3	1.0	0.1	86	0.24	0.060	13
1384664	Soil Pulp	0.6	150.5	12.5	72	0.2	37.4	34.0	2947	5.94	18.7	1.4	0.6	22	0.5	0.5	0.1	67	1.04	0.133	12
1384665	Soil Pulp	1.2	168.9	11.4	71	0.1	58.5	35.6	1699	8.26	119.6	4.4	1.3	9	0.3	1.3	<0.1	86	0.28	0.077	8
1384666	Soil Pulp	1.4	247.0	17.3	85	0.3	72.7	56.2	2094	8.62	112.6	5.2	1.9	9	0.3	1.5	0.2	82	0.21	0.075	13
1384801	Soil Pulp	0.8	19.9	24.3	77	<0.1	19.3	10.4	825	2.93	16.3	1.7	1.6	43	0.4	0.6	0.2	29	0.62	0.056	11
1384802	Soil Pulp	1.1	21.1	24.2	65	<0.1	18.3	9.1	473	2.57	14.6	1.4	2.8	69	0.4	0.6	0.2	26	0.75	0.046	14
1384803	Soil Pulp	1.2	29.4	19.4	57	0.2	24.1	10.7	378	2.15	26.2	3.8	2.0	456	0.2	1.0	0.2	13	10.65	0.058	9
1384804	Soil Pulp	0.4	30.4	20.0	64	<0.1	25.3	12.3	220	2.18	5.2	0.6	7.9	168	0.2	0.4	0.3	9	8.63	0.095	11
1384805	Soil Pulp	0.8	38.8	24.7	110	<0.1	22.4	11.1	415	2.59	10.0	1.6	3.6	35	0.4	0.6	0.3	18	0.66	0.057	25
1182831	Soil Pulp	0.8	33.3	25.6	181	0.1	27.0	11.9	501	2.93	15.5	2.0	2.0	32	0.5	0.8	0.3	22	0.93	0.060	7
1383846	Soil Pulp	0.8	37.2	29.6	78	<0.1	26.6	13.9	385	3.32	96.7	1.7	0.5	12	<0.1	2.0	0.4	27	0.12	0.075	6
1383847	Soil Pulp	0.6	43.1	23.5	84	<0.1	29.6	14.5	300	3.62	45.3	0.9	1.6	12	0.1	0.8	0.4	16	0.08	0.052	6
1383848	Soil Pulp	1.0	42.1	36.1	72	<0.1	28.9	13.1	275	3.35	46.3	1.4	1.1	12	0.1	0.8	0.4	22	0.13	0.060	7
1383849	Soil Pulp	0.5	31.9	28.1	78	<0.1	23.0	10.9	275	2.76	44.1	0.8	1.9	13	0.3	0.6	0.4	15	0.14	0.060	7
1383850	Soil Pulp	1.0	34.6	22.9	76	<0.1	23.8	11.9	426	3.32	41.2	1.5	0.7	10	0.1	0.8	0.4	25	0.07	0.074	6
1374157	Soil Pulp	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1384661	Soil Pulp	0.9	176.5	12.5	80	0.2	58.7	34.6	937	7.31	51.1	4.1	1.4	12	0.2	0.9	0.2	99	0.37	0.093	11



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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1384656	Soil Pulp	23	0.30	221	0.005	1	1.09	0.003	0.04	<0.1	0.07	4.7	<0.1	0.06	4	0.6	<0.2
1384657	Soil Pulp	18	0.16	91	0.004	1	0.81	0.003	0.04	<0.1	0.18	2.9	<0.1	0.06	3	1.1	<0.2
1384658	Soil Pulp	26	0.35	152	0.004	3	0.79	0.003	0.07	<0.1	0.27	8.0	<0.1	<0.05	2	0.6	<0.2
1384659	Soil Pulp	12	0.13	108	0.001	1	0.63	0.001	0.05	<0.1	0.72	7.9	0.2	<0.05	2	1.4	<0.2
1384660	Soil Pulp	29	0.23	66	0.004	1	0.81	0.003	0.05	<0.1	0.09	10.9	<0.1	<0.05	3	<0.5	<0.2
1384662	Soil Pulp	49	0.64	458	0.006	<1	1.58	0.004	0.04	<0.1	0.11	15.8	<0.1	<0.05	6	<0.5	<0.2
1384663	Soil Pulp	43	0.74	314	0.002	<1	1.41	0.003	0.05	<0.1	0.06	14.2	<0.1	<0.05	5	0.5	<0.2
1384664	Soil Pulp	31	0.47	417	0.006	2	1.13	0.005	0.05	<0.1	0.13	11.8	<0.1	0.07	4	1.2	<0.2
1384665	Soil Pulp	36	0.30	99	0.003	1	0.95	0.002	0.05	<0.1	0.39	17.6	<0.1	<0.05	3	<0.5	<0.2
1384666	Soil Pulp	37	0.48	141	0.003	<1	1.08	0.002	0.06	<0.1	0.63	19.3	<0.1	<0.05	4	<0.5	<0.2
1384801	Soil Pulp	18	0.26	143	0.010	<1	0.99	0.003	0.07	<0.1	0.61	2.5	0.1	<0.05	3	<0.5	<0.2
1384802	Soil Pulp	15	0.15	391	0.003	<1	0.91	0.003	0.09	<0.1	0.10	3.1	<0.1	<0.05	2	<0.5	<0.2
1384803	Soil Pulp	10	1.02	80	0.002	2	0.38	0.005	0.07	<0.1	0.07	2.6	<0.1	<0.05	<1	1.1	<0.2
1384804	Soil Pulp	9	1.26	73	0.002	2	0.33	0.004	0.08	<0.1	0.07	3.9	<0.1	<0.05	<1	<0.5	<0.2
1384805	Soil Pulp	13	0.18	105	0.004	1	0.63	0.003	0.09	<0.1	0.14	3.6	<0.1	<0.05	2	0.6	<0.2
1182831	Soil Pulp	14	0.49	152	0.005	1	0.77	0.003	0.06	<0.1	0.25	3.0	<0.1	<0.05	2	<0.5	<0.2
1383846	Soil Pulp	17	0.14	73	0.004	<1	0.69	0.003	0.07	<0.1	0.14	1.0	<0.1	<0.05	3	<0.5	<0.2
1383847	Soil Pulp	9	0.05	46	0.003	<1	0.32	0.002	0.07	<0.1	0.08	2.7	<0.1	<0.05	2	<0.5	<0.2
1383848	Soil Pulp	10	0.09	312	0.003	<1	0.62	0.002	0.06	<0.1	0.17	2.0	<0.1	<0.05	2	<0.5	<0.2
1383849	Soil Pulp	9	0.08	421	0.002	<1	0.56	0.002	0.09	<0.1	0.24	2.8	0.1	<0.05	2	<0.5	<0.2
1383850	Soil Pulp	12	0.10	178	0.004	<1	0.73	0.002	0.06	<0.1	0.19	1.7	0.1	<0.05	3	<0.5	<0.2
1374157	Soil Pulp	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1384661	Soil Pulp	40	0.38	248	0.004	<1	0.99	0.004	0.06	<0.1	0.18	17.1	<0.1	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1182832	Soil Pulp	0.4	24.7	23.3	66	<0.1	23.2	11.3	556	2.34	10.8	<0.5	4.6	129	<0.1	0.3	0.3	7	4.88	0.043
REP 1182832	QC	0.4	25.2	23.6	66	<0.1	23.5	11.6	578	2.39	11.2	0.5	4.6	128	<0.1	0.3	0.3	8	5.09	0.044
1371687	Soil Pulp	1.0	22.6	21.3	217	<0.1	22.0	12.3	885	3.92	18.0	1.4	0.6	8	0.5	0.9	0.4	27	0.06	0.067
REP 1371687	QC	1.0	22.9	21.4	223	<0.1	22.4	12.4	887	3.96	18.1	1.0	0.6	8	0.5	0.9	0.4	28	0.06	0.070
1374925	Soil Pulp	0.9	17.4	21.2	70	<0.1	18.2	7.4	643	2.57	9.5	1.0	1.0	17	0.2	0.4	0.3	27	0.44	0.093
REP 1374925	QC	1.0	18.2	21.3	71	<0.1	18.9	7.4	653	2.62	9.8	0.8	0.9	17	0.2	0.4	0.3	27	0.46	0.096
1374987	Soil Pulp	0.9	52.7	22.4	124	<0.1	35.4	14.9	419	3.30	34.6	0.7	1.9	52	0.4	0.6	0.4	14	1.17	0.057
REP 1374987	QC	1.2	55.0	23.2	126	0.1	37.1	15.4	439	3.43	34.8	2.2	1.9	53	0.4	0.7	0.4	14	1.19	0.058
1374994	Soil Pulp	0.8	44.2	13.3	55	0.1	22.8	9.0	265	2.47	13.6	8.3	3.4	231	0.3	0.5	0.2	16	5.61	0.086
REP 1374994	QC	0.7	42.5	12.7	51	<0.1	21.3	8.6	251	2.33	12.6	8.5	3.3	210	0.3	0.4	0.2	16	5.36	0.082
1382762	Soil Pulp	1.0	19.0	13.6	44	<0.1	13.4	7.4	418	2.56	24.3	<0.5	0.7	5	0.1	0.8	0.3	48	0.03	0.031
REP 1382762	QC	1.0	19.0	13.8	43	<0.1	13.9	7.8	422	2.59	24.5	2.7	0.8	5	0.1	0.9	0.3	50	0.03	0.033
1382777	Soil Pulp	4.7	99.2	37.1	51	0.3	49.8	27.4	700	6.06	34.6	2.5	2.6	16	0.3	4.4	0.3	20	0.64	0.051
REP 1382777	QC	4.6	93.1	36.3	47	0.3	47.1	25.5	665	5.95	32.5	4.9	2.3	16	0.1	4.3	0.4	22	0.66	0.051
1383101	Soil Pulp	1.5	25.4	25.1	95	<0.1	26.9	14.8	778	3.99	13.3	2.3	1.6	12	0.2	0.8	0.4	45	0.08	0.066
REP 1383101	QC	1.5	25.9	24.5	91	<0.1	25.6	14.6	738	3.80	12.9	2.7	1.4	12	0.2	0.8	0.3	44	0.08	0.063
1383234	Soil Pulp	0.7	16.5	14.4	81	0.1	16.6	5.6	226	2.11	7.5	0.7	1.7	45	0.3	0.4	0.3	22	0.68	0.100
REP 1383234	QC	0.6	16.2	14.2	84	0.1	17.1	5.5	229	2.10	7.7	3.6	1.5	45	0.3	0.5	0.3	22	0.68	0.097
1384651	Soil Pulp	0.8	145.1	16.3	80	0.2	48.0	30.6	721	6.52	13.3	12.4	2.4	13	0.4	0.7	0.4	56	0.36	0.078
REP 1384651	QC	0.8	139.7	15.5	80	0.2	47.7	29.8	720	6.52	13.5	12.1	2.4	14	0.3	0.7	0.3	55	0.36	0.076
1384663	Soil Pulp	0.7	224.8	13.4	87	0.1	68.9	40.3	742	7.45	45.7	4.8	1.6	10	0.3	1.0	0.1	86	0.24	0.060
REP 1384663	QC	0.7	211.9	13.2	84	0.1	65.3	38.8	728	7.16	44.3	4.1	1.6	10	0.4	0.9	0.1	84	0.24	0.058
1384804	Soil Pulp	0.4	30.4	20.0	64	<0.1	25.3	12.3	220	2.18	5.2	0.6	7.9	168	0.2	0.4	0.3	9	8.63	0.095
REP 1384804	QC	0.4	31.8	20.4	65	<0.1	25.5	12.0	220	2.19	5.1	2.1	8.2	170	0.2	0.4	0.4	8	8.71	0.096
Reference Materials																				
STD DS8	Standard	12.9	105.3	128.9	312	1.7	37.8	7.3	615	2.49	24.5	110.5	6.6	69	2.4	5.2	6.3	43	0.68	0.078
STD DS8	Standard	14.1	111.8	131.7	335	1.9	38.5	7.9	676	2.71	27.4	114.8	7.8	82	2.7	6.8	8.1	43	0.77	0.087
STD DS8	Standard	13.8	113.1	127.9	322	1.8	39.5	8.1	631	2.55	25.0	129.9	6.6	63	2.3	5.6	6.0	45	0.67	0.083



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1182832	Soil Pulp	8	1.35	91	0.001	2	0.53	0.003	0.05	<0.1	0.11	2.7	<0.1	<0.05	2	<0.5	<0.2
REP 1182832	QC	9	1.35	93	0.001	2	0.54	0.004	0.05	<0.1	0.12	2.8	<0.1	<0.05	2	<0.5	<0.2
1371687	Soil Pulp	19	0.24	94	0.008	2	1.12	0.003	0.08	<0.1	0.44	1.2	0.1	<0.05	4	<0.5	<0.2
REP 1371687	QC	20	0.24	96	0.008	2	1.13	0.003	0.08	<0.1	0.50	1.2	0.1	<0.05	4	<0.5	<0.2
1374925	Soil Pulp	16	0.22	148	0.006	1	0.94	0.003	0.05	0.1	0.13	1.8	<0.1	<0.05	3	<0.5	<0.2
REP 1374925	QC	16	0.22	151	0.006	1	0.97	0.003	0.05	0.1	0.12	1.8	<0.1	<0.05	3	0.6	<0.2
1374987	Soil Pulp	12	0.20	80	0.002	3	0.30	0.002	0.05	<0.1	0.14	4.2	<0.1	<0.05	<1	0.9	<0.2
REP 1374987	QC	12	0.21	83	0.004	4	0.31	0.002	0.05	<0.1	0.16	4.5	<0.1	<0.05	<1	1.0	<0.2
1374994	Soil Pulp	10	0.94	131	0.003	2	0.37	0.004	0.06	<0.1	0.13	4.5	<0.1	<0.05	<1	<0.5	<0.2
REP 1374994	QC	10	0.88	120	0.003	2	0.34	0.004	0.05	<0.1	0.13	4.3	<0.1	<0.05	<1	<0.5	<0.2
1382762	Soil Pulp	13	0.07	68	0.012	1	0.75	0.002	0.07	0.1	0.03	1.4	0.1	<0.05	5	<0.5	<0.2
REP 1382762	QC	12	0.07	68	0.012	1	0.76	0.002	0.08	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1382777	Soil Pulp	10	0.20	117	0.004	3	0.60	0.003	0.08	<0.1	0.33	9.3	0.1	0.09	2	0.6	<0.2
REP 1382777	QC	10	0.20	118	0.004	4	0.59	0.003	0.07	<0.1	0.33	8.9	<0.1	0.08	2	0.9	<0.2
1383101	Soil Pulp	30	0.48	95	0.021	2	1.71	0.005	0.10	0.2	0.04	1.8	0.1	<0.05	6	0.6	<0.2
REP 1383101	QC	30	0.47	91	0.018	1	1.63	0.005	0.10	0.2	0.03	1.8	0.1	<0.05	6	0.9	<0.2
1383234	Soil Pulp	14	0.33	140	0.004	4	0.97	0.005	0.06	0.1	0.09	2.1	<0.1	0.07	3	<0.5	<0.2
REP 1383234	QC	14	0.33	143	0.007	4	1.02	0.005	0.06	0.1	0.09	2.0	<0.1	0.06	3	<0.5	<0.2
1384651	Soil Pulp	28	0.92	280	0.005	2	1.85	0.003	0.06	<0.1	0.19	17.1	<0.1	<0.05	6	<0.5	0.2
REP 1384651	QC	28	0.87	269	0.004	3	1.82	0.003	0.06	<0.1	0.17	16.7	<0.1	<0.05	5	1.0	0.2
1384663	Soil Pulp	43	0.74	314	0.002	<1	1.41	0.003	0.05	<0.1	0.06	14.2	<0.1	<0.05	5	0.5	<0.2
REP 1384663	QC	42	0.70	310	0.002	<1	1.32	0.003	0.05	<0.1	0.07	13.5	<0.1	<0.05	5	<0.5	<0.2
1384804	Soil Pulp	9	1.26	73	0.002	2	0.33	0.004	0.08	<0.1	0.07	3.9	<0.1	<0.05	<1	<0.5	<0.2
REP 1384804	QC	9	1.25	69	0.004	2	0.33	0.003	0.07	<0.1	0.07	4.0	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	111	0.61	288	0.107	1	0.94	0.128	0.42	2.9	0.20	2.8	5.6	0.17	4	4.7	5.2
STD DS8	Standard	119	0.68	312	0.122	3	1.01	0.115	0.48	3.1	0.18	3.0	5.7	0.17	6	5.5	5.5
STD DS8	Standard	117	0.61	273	0.122	3	0.91	0.089	0.41	3.0	0.22	2.1	5.6	<0.05	5	5.4	4.9



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Project: CCJV

Report Date: September 29, 2011

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QUALITY CONTROL REPORT

VAN11004466.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	13.9	108.4	115.8	306	1.7	38.5	7.5	596	2.40	23.3	106.0	6.9	63	2.2	5.0	6.2	44	0.69	0.074	15
STD DS8	Standard	11.7	119.0	123.8	326	1.8	40.8	8.0	615	2.52	25.6	110.9	5.6	60	2.4	5.3	6.4	44	0.67	0.084	11
STD DS8	Standard	13.7	112.4	135.1	319	1.9	39.0	7.9	628	2.53	25.8	116.3	7.1	67	2.4	5.7	6.9	43	0.71	0.083	16
STD DS8	Standard	13.6	112.3	128.7	328	1.8	39.6	7.8	625	2.54	25.4	113.2	6.8	65	2.2	5.6	6.3	45	0.69	0.085	16
STD DS8	Standard	12.3	109.9	127.7	314	1.8	37.4	7.2	603	2.37	25.5	121.4	6.7	66	2.5	6.0	7.1	38	0.69	0.081	14
STD DS8	Standard	13.0	111.8	114.0	315	1.8	37.8	7.7	601	2.43	22.5	106.7	5.9	61	2.3	4.5	6.5	40	0.67	0.075	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

VAN11004466.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	118	0.60	259	0.120	3	0.88	0.090	0.40	2.9	0.20	2.4	5.3	0.10	5	5.1	4.5
STD DS8	Standard	125	0.63	242	0.107	2	0.88	0.085	0.41	3.0	0.22	2.3	5.4	0.10	4	6.3	4.8
STD DS8	Standard	124	0.63	278	0.124	2	0.94	0.090	0.43	2.9	0.20	2.2	5.7	0.12	5	5.3	5.2
STD DS8	Standard	119	0.64	282	0.122	3	0.99	0.102	0.42	3.2	0.21	2.2	5.5	0.17	5	5.5	5.2
STD DS8	Standard	113	0.63	277	0.111	3	0.93	0.093	0.43	3.1	0.18	2.0	5.4	0.16	5	4.0	5.0
STD DS8	Standard	119	0.63	217	0.086	2	0.90	0.084	0.42	2.3	0.18	2.1	5.1	0.16	4	5.4	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: September 07, 2011
Report Date: September 24, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11004553.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-15
Number of Samples: 88

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	88	Sorting of samples on arrival and labeling			VAN
1DX2	88	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004553.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1383279	Soil Pulp	1.2	307.8	18.2	104	0.5	68.8	55.9	2650	8.55	36.9	6.3	1.6	19	0.4	1.8	0.2	70	0.31	0.095
1383280	Soil Pulp	2.6	145.2	23.5	95	0.2	55.5	33.3	1329	6.35	32.8	2.9	0.9	11	0.8	1.3	0.2	77	0.19	0.128
1383281	Soil Pulp	1.4	44.3	9.7	67	0.1	19.2	8.7	436	3.25	12.9	1.0	0.2	12	0.5	0.7	0.3	70	0.14	0.089
1383282	Soil Pulp	0.6	160.2	5.2	35	0.1	25.3	16.8	1402	6.07	8.6	2.0	0.9	7	0.3	0.4	0.1	56	0.16	0.070
1383283	Soil Pulp	1.1	61.0	9.3	66	0.1	19.5	11.9	636	3.40	11.0	1.0	0.2	20	0.4	0.6	0.2	59	0.57	0.167
1383284	Soil Pulp	1.8	61.4	12.5	72	<0.1	26.1	15.4	679	4.04	21.1	2.1	0.5	9	0.3	1.3	0.3	68	0.09	0.080
1383285	Soil Pulp	1.3	55.4	12.3	91	<0.1	31.2	13.3	571	3.30	16.2	1.2	1.6	15	0.3	1.1	0.2	56	0.18	0.085
1383287	Soil Pulp	1.1	71.2	15.4	89	0.1	37.3	19.3	726	4.28	17.8	2.6	2.6	17	0.3	1.4	0.3	52	0.19	0.061
1383288	Soil Pulp	4.1	137.7	38.9	105	0.3	62.4	36.0	1560	7.88	42.6	4.2	1.2	13	1.1	2.7	0.3	55	0.30	0.088
1383289	Soil Pulp	6.6	162.7	28.3	71	0.4	58.5	31.2	991	6.51	78.2	6.2	1.7	16	0.3	2.7	0.3	65	0.24	0.074
1383290	Soil Pulp	1.3	91.1	11.4	84	<0.1	30.7	18.0	1064	5.53	21.9	1.9	0.4	9	0.6	1.0	0.2	89	0.10	0.118
1383291	Soil Pulp	1.5	42.0	12.6	69	<0.1	20.3	10.6	557	3.59	14.0	1.8	0.4	12	0.5	0.9	0.3	68	0.09	0.073
1383292	Soil Pulp	1.4	149.3	15.6	100	0.2	49.6	30.1	1475	6.49	28.4	4.4	1.9	16	0.6	1.2	0.2	78	0.26	0.104
1383293	Soil Pulp	1.0	228.8	15.2	94	0.4	55.5	42.1	1798	7.91	37.1	5.7	2.3	14	0.4	1.3	0.2	73	0.27	0.087
1385119	Soil Pulp	0.8	50.7	19.7	74	0.3	29.9	15.9	559	3.26	40.8	0.7	2.0	29	0.4	1.8	0.3	29	0.86	0.053
1385120	Soil Pulp	1.0	57.9	25.0	80	0.1	33.8	18.4	592	4.05	42.7	0.8	2.9	18	0.6	1.8	0.3	29	0.48	0.034
1385121	Soil Pulp	1.0	52.8	28.1	101	0.2	31.5	17.1	669	3.60	42.1	3.4	2.1	29	0.9	2.2	0.3	29	0.86	0.050
1385122	Soil Pulp	1.3	59.6	31.3	44	0.5	36.3	17.8	682	3.82	41.0	3.4	1.8	39	0.3	4.3	0.3	23	1.24	0.049
1385123	Soil Pulp	1.4	60.1	32.1	57	0.4	38.1	19.0	795	3.79	47.5	3.5	1.8	46	0.4	3.5	0.3	23	1.24	0.052
1385124	Soil Pulp	0.9	52.2	28.8	71	0.4	35.0	18.5	1017	3.62	50.2	2.8	1.2	55	0.2	3.1	0.3	19	1.59	0.059
1385125	Soil Pulp	1.0	46.3	32.2	80	0.3	32.7	18.2	772	4.09	48.9	3.7	1.6	45	0.5	3.8	0.3	22	1.20	0.055
1385126	Soil Pulp	1.0	28.4	13.2	41	<0.1	14.5	6.6	186	2.41	24.4	<0.5	1.0	15	0.2	1.1	0.3	43	0.22	0.037
1385127	Soil Pulp	1.0	39.5	14.7	53	<0.1	24.4	13.1	274	3.21	49.3	1.3	2.5	14	0.2	1.4	0.3	38	0.20	0.034
1385128	Soil Pulp	0.9	41.1	20.2	60	<0.1	25.9	14.7	577	3.65	30.5	2.1	2.5	41	0.1	1.5	0.3	31	0.97	0.041
1385129	Soil Pulp	1.0	73.8	45.5	127	<0.1	37.4	23.3	786	4.76	29.4	2.1	3.1	17	0.8	2.5	0.3	32	0.22	0.057
1385130	Soil Pulp	1.0	29.1	18.0	70	<0.1	17.0	9.6	362	2.95	12.5	0.5	1.4	18	0.4	0.8	0.3	41	0.45	0.050
1385131	Soil Pulp	0.8	84.6	17.3	83	0.2	31.8	17.3	1390	3.31	12.6	5.2	1.6	43	0.5	0.9	0.2	38	1.31	0.081
1385132	Soil Pulp	0.8	52.6	14.5	82	<0.1	31.0	14.4	400	3.62	20.1	2.1	3.1	20	0.2	0.9	0.2	40	0.37	0.055
1385133	Soil Pulp	1.7	21.8	19.4	52	<0.1	13.5	6.4	293	4.43	16.2	1.3	2.2	7	<0.1	0.9	0.3	79	0.05	0.030
1385134	Soil Pulp	0.9	44.1	19.0	79	<0.1	25.9	12.1	351	3.59	23.0	2.9	2.8	13	0.3	1.0	0.3	45	0.13	0.045



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383279	Soil Pulp	33	0.65	167	0.003	2	1.40	0.006	0.08	<0.1	0.10	18.1	<0.1	<0.05	5	<0.5	<0.2
1383280	Soil Pulp	44	0.48	116	0.007	2	1.41	0.005	0.07	<0.1	0.12	8.8	0.1	0.08	5	<0.5	<0.2
1383281	Soil Pulp	31	0.30	125	0.017	1	1.41	0.005	0.06	0.1	0.08	2.2	0.1	0.08	7	0.6	<0.2
1383282	Soil Pulp	25	0.21	129	0.002	1	0.89	0.003	0.08	<0.1	0.03	15.4	<0.1	0.05	3	<0.5	<0.2
1383283	Soil Pulp	30	0.47	182	0.008	<1	1.65	0.007	0.08	<0.1	0.04	2.6	0.1	0.14	6	0.9	<0.2
1383284	Soil Pulp	32	0.38	97	0.027	2	1.50	0.004	0.07	0.1	0.06	2.7	0.1	0.08	6	<0.5	<0.2
1383285	Soil Pulp	32	0.58	169	0.031	<1	1.74	0.007	0.06	0.1	0.05	3.9	0.1	0.05	5	0.5	<0.2
1383287	Soil Pulp	28	0.50	130	0.043	1	1.35	0.010	0.07	0.1	0.09	6.6	0.1	<0.05	4	<0.5	<0.2
1383288	Soil Pulp	29	0.49	132	0.008	2	1.16	0.004	0.07	<0.1	0.44	8.9	0.2	<0.05	4	0.5	<0.2
1383289	Soil Pulp	29	0.47	102	0.005	3	1.23	0.004	0.07	<0.1	1.61	11.4	0.2	<0.05	4	<0.5	0.3
1383290	Soil Pulp	43	0.41	106	0.015	1	1.53	0.005	0.07	<0.1	0.08	6.0	<0.1	0.09	6	<0.5	<0.2
1383291	Soil Pulp	34	0.44	109	0.020	3	1.75	0.006	0.07	0.1	0.06	2.2	0.2	<0.05	7	<0.5	<0.2
1383292	Soil Pulp	41	0.67	156	0.011	2	1.77	0.006	0.09	<0.1	0.08	11.5	0.1	<0.05	6	<0.5	<0.2
1383293	Soil Pulp	40	0.71	106	0.008	2	1.66	0.006	0.08	<0.1	0.14	19.5	<0.1	<0.05	5	<0.5	<0.2
1385119	Soil Pulp	16	0.30	183	0.004	3	0.93	0.004	0.12	<0.1	0.14	4.8	<0.1	0.06	3	<0.5	<0.2
1385120	Soil Pulp	16	0.27	130	0.003	2	0.94	0.004	0.11	<0.1	0.11	6.0	<0.1	<0.05	3	<0.5	<0.2
1385121	Soil Pulp	15	0.28	160	0.004	1	0.94	0.004	0.11	<0.1	0.14	5.3	<0.1	0.05	3	<0.5	<0.2
1385122	Soil Pulp	13	0.21	236	0.002	3	0.79	0.004	0.10	<0.1	0.28	5.5	<0.1	0.06	2	0.9	<0.2
1385123	Soil Pulp	13	0.21	208	0.002	4	0.77	0.004	0.09	<0.1	0.33	5.2	<0.1	0.07	2	1.0	<0.2
1385124	Soil Pulp	12	0.19	185	0.004	3	0.73	0.004	0.08	<0.1	0.41	4.4	0.1	0.07	2	<0.5	<0.2
1385125	Soil Pulp	13	0.17	99	0.002	2	0.70	0.003	0.07	<0.1	0.37	5.3	<0.1	0.06	2	<0.5	<0.2
1385126	Soil Pulp	14	0.11	108	0.007	1	0.73	0.003	0.07	0.1	0.03	1.8	<0.1	<0.05	4	0.5	<0.2
1385127	Soil Pulp	17	0.21	324	0.004	1	0.97	0.003	0.08	<0.1	0.06	3.2	<0.1	<0.05	4	0.6	<0.2
1385128	Soil Pulp	17	0.25	143	0.004	2	0.88	0.004	0.08	<0.1	0.11	4.5	<0.1	<0.05	3	<0.5	<0.2
1385129	Soil Pulp	18	0.28	458	0.002	3	1.11	0.003	0.06	<0.1	0.17	6.1	<0.1	<0.05	3	<0.5	<0.2
1385130	Soil Pulp	19	0.27	408	0.006	6	1.11	0.004	0.07	0.1	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
1385131	Soil Pulp	23	0.46	473	0.005	2	1.38	0.005	0.09	<0.1	0.23	6.7	<0.1	0.07	4	0.5	<0.2
1385132	Soil Pulp	24	0.40	186	0.007	1	1.20	0.008	0.08	<0.1	0.10	6.0	<0.1	<0.05	4	<0.5	<0.2
1385133	Soil Pulp	29	0.26	71	0.028	<1	1.39	0.003	0.06	0.2	0.06	2.4	0.1	<0.05	8	<0.5	<0.2
1385134	Soil Pulp	24	0.37	173	0.006	1	1.46	0.005	0.07	<0.1	0.06	3.6	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1385135	Soil Pulp	1.3	46.6	17.3	62	<0.1	24.7	12.0	282	3.71	26.5	2.2	2.4	10	0.2	1.0	0.3	51	0.04	0.038
1385136	Soil Pulp	0.8	59.2	21.9	105	0.1	34.7	16.6	624	3.92	23.2	2.5	3.0	22	0.5	0.9	0.3	44	0.34	0.061
1385137	Soil Pulp	0.9	49.2	17.9	68	<0.1	29.2	15.9	402	3.76	21.1	2.2	3.5	15	0.1	1.1	0.3	37	0.18	0.028
1385138	Soil Pulp	0.8	50.4	18.0	73	0.2	22.3	9.4	338	2.82	15.9	3.4	1.1	80	0.4	1.2	0.2	27	1.50	0.064
1385139	Soil Pulp	0.9	60.7	20.6	76	<0.1	32.3	15.8	492	4.08	27.9	4.0	3.2	20	0.1	1.3	0.3	42	0.31	0.053
1385140	Soil Pulp	1.0	45.0	20.4	67	<0.1	29.2	14.0	339	3.81	27.3	2.0	3.8	11	0.2	1.2	0.3	45	0.05	0.026
1385141	Soil Pulp	0.8	39.2	15.5	56	0.1	25.0	11.3	323	2.65	18.9	2.2	1.5	35	0.3	0.8	0.3	34	0.81	0.056
1385142	Soil Pulp	0.9	50.2	27.9	70	0.1	33.3	19.1	787	3.61	48.4	3.4	1.4	31	0.4	2.5	0.4	22	0.79	0.053
1385143	Soil Pulp	0.9	31.1	20.2	63	<0.1	21.2	13.7	388	3.18	34.5	2.3	1.2	17	0.3	1.5	0.3	29	0.36	0.056
1385144	Soil Pulp	0.8	45.5	18.9	66	0.2	27.8	13.8	451	2.99	30.5	3.3	1.4	41	0.3	1.4	0.3	26	1.15	0.056
1385145	Soil Pulp	0.8	47.9	16.3	59	0.2	25.6	12.8	388	2.87	30.3	2.4	1.3	35	0.2	1.2	0.3	26	1.21	0.056
1385146	Soil Pulp	0.6	60.5	23.4	148	0.3	27.6	13.2	496	2.49	33.2	2.9	1.1	60	1.6	1.0	0.2	20	1.38	0.058
1385147	Soil Pulp	0.7	46.3	19.9	81	0.2	22.9	11.6	462	2.54	20.2	3.1	1.5	37	1.0	0.9	0.2	24	1.27	0.056
1385148	Soil Pulp	0.7	51.5	18.8	81	0.2	29.3	14.5	527	2.95	30.2	2.7	1.4	32	0.5	1.1	0.3	27	1.15	0.060
1385210	Soil Pulp	0.6	49.3	27.5	89	0.1	35.8	19.5	419	3.62	68.4	1.6	5.0	27	<0.1	1.1	0.5	10	0.20	0.046
1385211	Soil Pulp	2.6	63.0	29.7	67	0.2	43.9	21.3	519	3.82	53.0	1.5	2.9	25	0.1	2.1	0.5	10	0.24	0.051
1385212	Soil Pulp	1.2	98.7	33.6	51	0.8	54.5	29.0	663	3.94	86.3	3.2	1.8	20	0.2	6.3	0.4	15	0.58	0.058
1385213	Soil Pulp	1.4	93.0	38.1	52	0.5	55.0	31.1	762	5.18	67.8	2.0	2.1	17	<0.1	5.2	0.4	17	0.34	0.059
1385214	Soil Pulp	1.3	89.6	39.0	124	0.6	54.9	30.5	907	4.59	77.2	2.3	1.7	17	0.3	6.9	0.4	12	0.47	0.044
1385215	Soil Pulp	1.0	85.1	29.9	54	0.3	51.8	31.2	939	4.02	69.5	1.7	2.9	18	0.2	4.8	0.4	13	0.39	0.052
1385216	Soil Pulp	0.7	103.0	22.4	76	0.1	52.1	36.0	1153	4.42	36.9	1.7	2.3	11	0.1	1.9	0.3	34	0.17	0.045
1385217	Soil Pulp	1.6	234.9	33.7	98	0.4	89.5	80.5	3560	6.63	34.2	7.1	2.7	31	0.3	1.2	0.3	96	0.39	0.079
1385218	Soil Pulp	1.3	227.5	26.7	98	0.3	94.0	79.7	3076	6.90	79.9	7.2	2.0	17	0.4	2.1	0.2	71	0.39	0.083
1385219	Soil Pulp	0.6	244.9	13.3	78	0.2	90.4	65.7	1820	6.90	127.3	3.7	1.4	10	0.2	2.3	0.2	73	0.32	0.074
1385220	Soil Pulp	2.9	244.2	25.5	60	0.3	100.7	66.0	2403	6.32	128.7	5.8	1.4	18	0.3	4.0	0.2	117	0.42	0.067
1385221	Soil Pulp	0.7	261.6	15.2	68	0.3	74.5	57.5	3148	6.76	69.5	4.2	1.6	19	0.2	2.1	0.2	96	1.27	0.095
1385222	Soil Pulp	0.6	160.3	11.0	63	<0.1	55.1	36.7	1355	5.80	65.5	2.9	1.1	8	0.1	1.4	0.2	58	0.25	0.092
1385223	Soil Pulp	0.5	186.3	7.4	53	0.1	56.2	30.2	1349	7.32	88.3	3.3	1.3	7	0.1	1.2	0.1	80	0.27	0.076
1385224	Soil Pulp	0.9	188.6	10.7	49	0.1	62.5	34.0	823	5.96	99.6	3.2	1.5	7	<0.1	1.7	0.2	51	0.21	0.058
1385225	Soil Pulp	1.2	70.8	9.8	72	<0.1	34.4	19.1	699	4.21	20.4	1.8	0.7	9	0.2	0.9	0.2	68	0.22	0.070



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1385135	Soil Pulp	22	0.26	77	0.005	2	1.36	0.003	0.07	<0.1	0.07	3.0	<0.1	<0.05	6	<0.5	<0.2
1385136	Soil Pulp	26	0.36	274	0.004	2	1.52	0.006	0.12	<0.1	0.18	5.8	0.1	<0.05	5	<0.5	<0.2
1385137	Soil Pulp	21	0.35	261	0.004	2	1.24	0.004	0.08	<0.1	0.08	3.8	<0.1	<0.05	4	<0.5	<0.2
1385138	Soil Pulp	15	0.38	413	0.004	5	0.89	0.005	0.07	<0.1	0.17	4.2	<0.1	0.12	3	1.0	<0.2
1385139	Soil Pulp	23	0.34	181	0.006	1	1.16	0.005	0.08	<0.1	0.11	4.4	<0.1	<0.05	4	<0.5	<0.2
1385140	Soil Pulp	23	0.34	81	0.007	2	1.46	0.004	0.07	<0.1	0.08	3.3	0.1	<0.05	5	<0.5	<0.2
1385141	Soil Pulp	18	0.28	360	0.004	2	1.04	0.004	0.06	<0.1	0.07	3.5	<0.1	0.13	3	<0.5	<0.2
1385142	Soil Pulp	12	0.16	156	0.002	3	0.72	0.003	0.06	<0.1	0.33	5.4	<0.1	0.15	2	0.8	<0.2
1385143	Soil Pulp	15	0.19	127	0.004	3	0.67	0.002	0.08	<0.1	0.13	3.6	<0.1	0.10	2	<0.5	<0.2
1385144	Soil Pulp	15	0.24	282	0.004	3	0.80	0.004	0.06	<0.1	0.12	4.5	<0.1	0.15	2	0.5	<0.2
1385145	Soil Pulp	13	0.22	314	0.003	3	0.75	0.003	0.06	<0.1	0.11	4.0	<0.1	0.16	2	<0.5	<0.2
1385146	Soil Pulp	12	0.34	274	0.002	4	0.70	0.004	0.07	<0.1	0.24	3.9	<0.1	0.18	2	0.8	<0.2
1385147	Soil Pulp	15	0.28	293	0.003	4	0.87	0.004	0.07	<0.1	0.14	4.3	<0.1	0.17	2	0.5	<0.2
1385148	Soil Pulp	16	0.29	247	0.004	4	0.86	0.003	0.09	<0.1	0.12	4.4	<0.1	0.16	2	0.6	<0.2
1385210	Soil Pulp	8	0.21	56	0.001	3	0.46	0.003	0.06	<0.1	0.67	4.4	<0.1	0.08	1	<0.5	<0.2
1385211	Soil Pulp	4	0.12	58	<0.001	3	0.22	0.002	0.07	<0.1	0.45	5.2	0.1	0.13	<1	0.8	<0.2
1385212	Soil Pulp	7	0.14	27	<0.001	3	0.25	0.002	0.07	<0.1	0.52	6.5	<0.1	0.13	<1	1.2	<0.2
1385213	Soil Pulp	8	0.13	38	<0.001	3	0.31	0.002	0.07	<0.1	0.54	8.0	0.1	0.09	<1	1.0	<0.2
1385214	Soil Pulp	5	0.11	32	<0.001	3	0.20	0.002	0.06	<0.1	0.90	6.9	0.1	0.12	<1	1.1	<0.2
1385215	Soil Pulp	5	0.15	25	<0.001	3	0.19	0.002	0.06	<0.1	0.67	7.0	0.1	0.11	<1	0.7	<0.2
1385216	Soil Pulp	21	0.38	41	<0.001	2	0.71	0.003	0.07	<0.1	0.17	7.2	<0.1	0.08	2	0.5	<0.2
1385217	Soil Pulp	58	1.22	108	0.009	3	2.53	0.010	0.09	<0.1	0.20	17.4	0.2	0.09	8	1.1	<0.2
1385218	Soil Pulp	39	0.62	233	<0.001	3	1.49	0.005	0.08	<0.1	0.09	14.3	0.2	0.11	5	0.8	<0.2
1385219	Soil Pulp	33	0.44	89	0.002	3	0.77	0.003	0.08	<0.1	0.06	14.7	<0.1	0.06	3	<0.5	<0.2
1385220	Soil Pulp	50	0.43	291	0.001	3	1.02	0.005	0.09	<0.1	0.13	26.0	0.1	0.14	4	0.7	<0.2
1385221	Soil Pulp	44	0.85	195	0.002	3	1.45	0.004	0.08	<0.1	0.06	30.7	<0.1	0.08	6	<0.5	<0.2
1385222	Soil Pulp	34	0.44	90	0.001	2	1.43	0.003	0.05	<0.1	0.03	11.2	<0.1	0.07	4	<0.5	<0.2
1385223	Soil Pulp	34	0.30	108	0.002	2	0.79	0.003	0.05	<0.1	0.07	18.0	<0.1	0.05	3	<0.5	<0.2
1385224	Soil Pulp	27	0.28	98	0.003	2	0.76	0.003	0.04	<0.1	0.08	12.5	<0.1	<0.05	3	<0.5	<0.2
1385225	Soil Pulp	36	0.49	137	0.011	2	1.41	0.004	0.05	0.1	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1385226	Soil Pulp	0.7	137.8	8.1	73	0.1	57.9	31.2	1074	5.38	47.7	3.7	1.9	9	0.1	0.8	0.1	89	0.24	0.074	12
1385227	Soil Pulp	1.4	60.7	12.7	81	<0.1	28.3	19.1	759	4.18	30.9	1.3	0.7	10	0.2	1.0	0.2	60	0.27	0.083	8
1385228	Soil Pulp	1.0	66.6	11.8	70	<0.1	33.8	23.6	1446	4.86	9.6	2.7	1.5	10	0.2	0.6	0.2	107	0.25	0.081	12
1385229	Soil Pulp	1.0	32.4	9.1	54	<0.1	24.1	10.3	282	2.40	29.5	1.6	0.8	10	0.2	1.1	0.2	37	0.12	0.074	9
1385230	Soil Pulp	1.0	30.5	5.9	31	<0.1	13.0	5.1	90	1.41	46.2	2.5	0.2	4	0.1	0.9	0.3	40	0.03	0.035	6
1385231	Soil Pulp	1.0	41.9	7.7	36	<0.1	19.5	8.0	185	1.72	61.3	1.7	0.2	8	0.1	1.2	0.3	31	0.05	0.048	6
1385232	Soil Pulp	0.7	83.8	7.8	16	<0.1	41.7	18.4	103	1.82	121.7	1.4	1.1	7	<0.1	1.1	0.4	18	0.01	0.027	3
1385233	Soil Pulp	1.2	57.6	11.3	40	<0.1	22.0	10.6	183	2.21	75.1	2.0	0.5	8	0.1	1.4	0.3	36	0.04	0.049	7
1385234	Soil Pulp	1.2	56.8	41.1	156	0.2	37.7	22.4	909	3.87	94.4	1.2	0.8	7	0.5	4.2	0.3	23	0.23	0.099	2
1385235	Soil Pulp	1.5	38.7	71.7	51	0.2	15.2	5.6	73	3.09	198.8	<0.5	2.3	6	<0.1	9.5	0.4	10	0.01	0.038	2
1385236	Soil Pulp	3.1	22.5	10.6	33	<0.1	14.7	4.8	70	1.45	37.9	1.2	0.4	9	0.2	0.8	0.3	14	0.09	0.042	2
1385237	Soil Pulp	0.9	30.6	13.7	56	0.1	19.8	10.6	405	2.40	26.6	0.9	<0.1	4	0.1	1.2	0.2	28	0.03	0.061	4
1385238	Soil Pulp	1.9	37.9	20.4	68	0.1	23.8	11.0	217	3.12	44.2	1.0	0.2	5	0.2	1.9	0.3	21	0.02	0.064	3
1385239	Soil Pulp	1.1	39.3	24.5	53	0.2	31.0	13.4	359	3.13	68.0	0.5	1.2	13	0.1	2.0	0.3	24	0.21	0.071	3
1385240	Soil Pulp	1.0	33.8	9.3	52	<0.1	21.8	11.9	421	2.88	35.4	0.5	0.1	5	<0.1	1.1	0.3	30	0.03	0.057	3
1385241	Soil Pulp	0.7	37.6	13.6	44	<0.1	24.8	12.3	298	2.91	38.7	1.3	0.2	4	<0.1	1.0	0.2	23	0.02	0.041	3
1385242	Soil Pulp	1.7	41.3	27.2	68	<0.1	30.8	17.9	890	3.48	42.1	1.3	0.4	6	0.1	2.1	0.3	24	<0.01	0.058	4
1385243	Soil Pulp	1.1	28.7	12.8	58	<0.1	22.9	11.5	286	3.03	28.7	0.6	0.2	4	<0.1	0.8	0.2	24	0.02	0.034	3
1385244	Soil Pulp	0.9	37.1	22.3	80	<0.1	28.3	14.1	551	3.53	22.9	<0.5	0.2	6	0.2	0.9	0.3	19	0.03	0.075	3
1385245	Soil Pulp	0.8	32.8	22.5	79	<0.1	26.5	13.7	437	3.71	16.9	1.1	0.5	8	0.1	0.5	0.4	20	0.02	0.081	4
1385246	Soil Pulp	0.7	35.3	21.9	93	<0.1	39.0	16.7	642	3.44	22.7	1.1	2.5	12	0.3	0.6	0.3	20	0.16	0.063	9
1385247	Soil Pulp	0.8	48.6	28.9	73	<0.1	38.6	17.7	509	3.77	29.4	1.7	2.7	23	<0.1	1.0	0.4	12	0.17	0.062	5
1385248	Soil Pulp	1.0	45.2	24.0	95	0.1	37.3	21.6	533	4.07	40.4	1.4	2.1	16	0.1	1.1	0.5	12	0.14	0.048	6
1385249	Soil Pulp	1.3	30.0	22.5	63	<0.1	22.3	9.5	193	3.12	43.5	0.9	1.1	7	<0.1	0.9	0.4	19	0.03	0.057	4
1385250	Soil Pulp	1.7	28.9	17.3	70	<0.1	25.5	10.9	341	3.65	26.1	1.0	1.9	17	0.1	0.8	0.4	18	0.20	0.047	4
1385251	Soil Pulp	1.1	14.6	10.8	73	0.1	15.4	6.7	180	2.58	13.8	0.7	1.1	24	0.1	0.4	0.3	16	0.34	0.093	4
1385252	Soil Pulp	1.0	42.8	28.8	78	0.1	32.3	15.5	459	3.51	40.8	2.7	1.8	15	0.1	1.6	0.4	19	0.14	0.063	7
1383139	Soil Pulp	0.8	19.4	16.5	66	0.2	23.2	9.8	2283	3.83	21.3	1.5	1.5	19	0.4	1.1	0.2	25	3.07	0.114	20



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Report Date: September 24, 2011

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CERTIFICATE OF ANALYSIS

VAN11004553.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1385226	Soil Pulp	55	0.85	98	0.011	2	1.76	0.004	0.05	<0.1	0.03	13.6	<0.1	<0.05	6	<0.5	<0.2
1385227	Soil Pulp	27	0.35	138	0.009	2	1.29	0.003	0.05	0.1	<0.01	3.3	<0.1	0.07	5	<0.5	<0.2
1385228	Soil Pulp	55	0.90	140	0.015	2	1.98	0.004	0.06	0.1	<0.01	7.3	<0.1	0.06	8	<0.5	<0.2
1385229	Soil Pulp	19	0.28	68	0.016	1	0.92	0.003	0.04	0.1	0.03	1.7	<0.1	0.06	3	<0.5	<0.2
1385230	Soil Pulp	6	0.03	31	0.009	1	0.32	0.001	0.04	0.1	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1385231	Soil Pulp	13	0.13	72	0.010	2	0.59	0.003	0.04	0.1	0.15	0.9	<0.1	<0.05	3	<0.5	<0.2
1385232	Soil Pulp	6	0.05	30	0.002	2	0.36	0.001	0.05	<0.1	0.05	2.0	<0.1	<0.05	1	<0.5	<0.2
1385233	Soil Pulp	15	0.17	65	0.009	2	0.80	0.003	0.03	0.1	0.14	1.5	0.1	<0.05	3	<0.5	<0.2
1385234	Soil Pulp	11	0.07	58	0.001	2	0.38	0.002	0.07	<0.1	0.31	3.9	0.1	0.09	1	<0.5	<0.2
1385235	Soil Pulp	3	0.01	48	<0.001	2	0.20	<0.001	0.04	<0.1	7.30	4.2	0.1	<0.05	<1	1.9	<0.2
1385236	Soil Pulp	5	0.02	46	<0.001	3	0.17	0.001	0.05	<0.1	0.45	1.4	<0.1	<0.05	<1	0.8	<0.2
1385237	Soil Pulp	10	0.06	49	0.004	<1	0.40	0.002	0.04	<0.1	0.08	0.5	<0.1	<0.05	2	<0.5	<0.2
1385238	Soil Pulp	8	0.05	35	0.004	2	0.43	0.001	0.04	<0.1	0.40	1.1	0.1	<0.05	2	0.8	<0.2
1385239	Soil Pulp	14	0.14	136	0.002	2	0.61	0.002	0.07	<0.1	0.35	3.6	<0.1	0.05	2	<0.5	<0.2
1385240	Soil Pulp	9	0.04	59	0.005	<1	0.34	0.001	0.04	<0.1	0.04	0.7	<0.1	<0.05	2	<0.5	<0.2
1385241	Soil Pulp	9	0.06	38	0.005	2	0.34	0.001	0.03	<0.1	0.04	1.5	<0.1	<0.05	1	<0.5	<0.2
1385242	Soil Pulp	8	0.04	74	0.004	2	0.46	0.002	0.04	<0.1	0.08	1.7	<0.1	<0.05	2	<0.5	<0.2
1385243	Soil Pulp	6	0.03	37	0.005	<1	0.27	0.001	0.03	<0.1	0.03	1.1	<0.1	<0.05	2	<0.5	<0.2
1385244	Soil Pulp	8	0.04	60	0.003	1	0.45	0.003	0.06	<0.1	0.08	0.7	<0.1	<0.05	2	0.6	<0.2
1385245	Soil Pulp	12	0.14	67	0.003	1	0.88	0.002	0.06	<0.1	0.05	1.0	<0.1	0.09	3	<0.5	<0.2
1385246	Soil Pulp	17	0.26	81	0.003	1	1.04	0.002	0.06	<0.1	0.09	3.4	<0.1	0.09	3	<0.5	<0.2
1385247	Soil Pulp	8	0.13	79	0.002	2	0.55	0.002	0.08	<0.1	0.16	3.3	<0.1	0.11	2	0.6	<0.2
1385248	Soil Pulp	7	0.09	114	0.001	2	0.37	0.002	0.07	<0.1	0.19	3.0	<0.1	<0.05	1	0.6	<0.2
1385249	Soil Pulp	10	0.08	70	0.002	<1	0.76	0.002	0.04	<0.1	0.13	2.0	0.1	<0.05	2	0.6	<0.2
1385250	Soil Pulp	10	0.13	69	0.001	1	0.56	0.001	0.05	<0.1	0.14	3.3	0.1	0.07	2	0.7	<0.2
1385251	Soil Pulp	10	0.14	88	0.001	1	0.81	0.003	0.06	<0.1	0.05	2.0	0.1	0.06	2	0.6	<0.2
1385252	Soil Pulp	14	0.27	59	0.004	<1	0.80	0.002	0.05	<0.1	0.33	2.6	0.1	<0.05	3	0.6	<0.2
1383139	Soil Pulp	16	1.75	184	0.009	2	1.03	0.005	0.04	0.2	0.30	2.6	0.1	0.07	2	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1383289	Soil Pulp	6.6	162.7	28.3	71	0.4	58.5	31.2	991	6.51	78.2	6.2	1.7	16	0.3	2.7	0.3	65	0.24	0.074	14
REP 1383289	QC	6.7	160.4	29.1	71	0.5	56.4	29.8	1023	6.26	79.6	5.7	1.7	16	0.2	2.8	0.3	64	0.25	0.077	13
1385140	Soil Pulp	1.0	45.0	20.4	67	<0.1	29.2	14.0	339	3.81	27.3	2.0	3.8	11	0.2	1.2	0.3	45	0.05	0.026	10
REP 1385140	QC	1.1	47.6	20.4	70	<0.1	29.4	14.4	350	3.94	27.5	1.6	3.8	11	0.2	1.4	0.3	44	0.05	0.028	10
1385218	Soil Pulp	1.3	227.5	26.7	98	0.3	94.0	79.7	3076	6.90	79.9	7.2	2.0	17	0.4	2.1	0.2	71	0.39	0.083	15
REP 1385218	QC	1.2	224.3	26.4	99	0.3	90.6	79.0	3039	6.72	79.3	7.3	2.0	17	0.3	2.0	0.2	70	0.38	0.081	15
1385222	Soil Pulp	0.6	160.3	11.0	63	<0.1	55.1	36.7	1355	5.80	65.5	2.9	1.1	8	0.1	1.4	0.2	58	0.25	0.092	7
REP 1385222	QC	0.6	162.6	11.2	64	<0.1	56.3	36.4	1368	5.84	67.3	2.9	1.1	9	0.1	1.5	0.2	60	0.26	0.097	7
1383139	Soil Pulp	0.8	19.4	16.5	66	0.2	23.2	9.8	2283	3.83	21.3	1.5	1.5	19	0.4	1.1	0.2	25	3.07	0.114	20
REP 1383139	QC	0.9	18.7	16.6	66	0.2	22.3	9.6	2361	3.84	20.0	1.0	1.5	19	0.3	1.1	0.2	25	2.94	0.112	19
Reference Materials																					
STD DS8	Standard	12.0	105.5	124.4	326	1.7	38.2	7.4	566	2.32	25.3	106.4	5.5	54	2.2	4.9	6.6	41	0.63	0.084	11
STD DS8	Standard	12.5	113.5	121.7	315	1.8	39.4	7.9	610	2.46	25.4	115.3	5.7	60	2.3	5.5	6.2	46	0.68	0.087	14
STD DS8	Standard	13.3	108.4	134.5	321	1.9	36.8	7.2	633	2.56	26.0	119.5	8.0	77	2.1	6.0	7.0	42	0.74	0.082	18
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1383289	Soil Pulp	29	0.47	102	0.005	3	1.23	0.004	0.07	<0.1	1.61	11.4	0.2	<0.05	4	<0.5	0.3
REP 1383289	QC	29	0.47	97	0.004	3	1.22	0.004	0.07	<0.1	1.66	11.3	0.3	0.05	4	0.6	<0.2
1385140	Soil Pulp	23	0.34	81	0.007	2	1.46	0.004	0.07	<0.1	0.08	3.3	0.1	<0.05	5	<0.5	<0.2
REP 1385140	QC	23	0.34	80	0.006	2	1.42	0.003	0.07	<0.1	0.07	3.2	0.1	<0.05	5	<0.5	<0.2
1385218	Soil Pulp	39	0.62	233	<0.001	3	1.49	0.005	0.08	<0.1	0.09	14.3	0.2	0.11	5	0.8	<0.2
REP 1385218	QC	38	0.61	238	0.001	3	1.52	0.005	0.08	<0.1	0.09	14.0	0.2	0.10	4	0.9	<0.2
1385222	Soil Pulp	34	0.44	90	0.001	2	1.43	0.003	0.05	<0.1	0.03	11.2	<0.1	0.07	4	<0.5	<0.2
REP 1385222	QC	35	0.43	90	0.001	2	1.42	0.003	0.06	<0.1	0.03	11.5	<0.1	0.08	4	<0.5	<0.2
1383139	Soil Pulp	16	1.75	184	0.009	2	1.03	0.005	0.04	0.2	0.30	2.6	0.1	0.07	2	<0.5	<0.2
REP 1383139	QC	15	1.78	182	0.010	1	1.00	0.005	0.04	0.1	0.27	2.5	<0.1	<0.05	2	0.5	<0.2
Reference Materials																	
STD DS8	Standard	111	0.60	256	0.094	3	0.86	0.089	0.40	3.0	0.21	1.8	5.5	0.18	5	4.9	4.6
STD DS8	Standard	122	0.61	261	0.114	3	0.89	0.086	0.42	2.9	0.16	2.2	5.2	0.21	5	5.1	5.0
STD DS8	Standard	117	0.63	299	0.125	3	1.01	0.112	0.45	3.0	0.18	3.0	5.7	0.15	5	4.1	4.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Report Date: September 29, 2011
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CERTIFICATE OF ANALYSIS

VAN11004728.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-17
Number of Samples: 39

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	39	Sorting of samples on arrival and labeling			VAN
1DX2	39	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
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CERTIFICATE OF ANALYSIS

VAN11004728.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1182531	Soil Pulp	0.8	38.0	20.9	68	<0.1	28.5	14.6	496	2.65	20.5	3.0	4.6	76	0.2	0.7	0.4	8	3.45	0.067	7
1183251	Soil Pulp	0.8	202.2	36.7	102	0.3	55.7	52.8	3506	6.89	21.8	3.0	1.9	15	0.3	0.6	0.3	105	0.25	0.096	34
1183252	Soil Pulp	1.6	163.4	25.5	136	0.4	74.4	88.7	7626	6.92	68.6	4.3	2.1	31	0.8	0.8	0.3	87	0.42	0.100	32
1183253	Soil Pulp	0.9	115.4	21.5	81	0.1	44.7	38.1	2439	6.02	20.0	2.4	1.5	13	0.3	0.6	0.3	121	0.27	0.111	12
1183254	Soil Pulp	1.8	121.9	22.3	79	<0.1	43.1	40.5	1803	5.67	34.8	3.2	1.5	15	0.4	0.8	0.3	65	0.21	0.112	12
1183255	Soil Pulp	2.1	142.6	39.3	105	0.4	55.9	49.3	3186	6.34	23.2	3.7	2.9	28	0.3	0.9	0.4	102	0.44	0.092	29
1183256	Soil Pulp	1.7	175.9	21.2	101	0.2	57.5	44.3	3021	6.39	12.7	3.7	1.9	21	0.3	0.7	0.3	204	0.30	0.072	24
1183257	Soil Pulp	1.0	183.1	13.5	94	0.1	50.0	41.3	2475	5.93	11.7	3.4	2.1	17	0.3	0.6	0.3	180	0.40	0.071	12
1183258	Soil Pulp	0.7	233.0	16.0	99	0.1	62.8	60.3	3075	6.78	14.5	3.3	2.1	13	0.3	0.5	0.3	188	0.47	0.069	10
1183259	Soil Pulp	0.8	311.1	15.0	107	0.2	70.7	67.6	2988	7.31	6.8	5.6	1.5	15	0.4	0.4	0.3	221	0.58	0.096	13
1183260	Soil Pulp	0.8	132.6	20.7	92	0.1	42.0	48.8	2771	6.40	13.0	2.9	1.1	12	0.5	0.8	0.3	114	0.26	0.130	13
1183261	Soil Pulp	0.7	203.7	21.6	88	0.1	50.0	72.7	3549	6.00	7.4	3.5	1.8	15	0.5	0.6	0.3	104	0.40	0.133	26
1183262	Soil Pulp	0.4	172.4	13.5	78	0.2	56.5	38.5	2495	7.11	46.7	2.4	1.7	12	0.4	0.5	0.2	75	0.37	0.117	16
1183263	Soil Pulp	0.6	231.4	17.0	92	0.2	61.0	55.8	2574	7.18	25.1	5.3	2.2	20	0.4	0.5	0.3	93	0.61	0.103	22
1183264	Soil Pulp	0.7	72.8	13.3	68	0.2	21.0	16.9	922	4.25	15.9	0.8	0.4	3	0.7	0.4	0.2	56	0.03	0.141	7
1183265	Soil Pulp	1.4	54.5	10.8	46	0.2	14.9	21.6	955	2.60	6.0	2.2	0.3	10	0.2	0.5	0.3	53	0.22	0.099	12
1183266	Soil Pulp	1.4	36.5	13.8	68	<0.1	20.3	9.7	492	3.00	12.1	1.2	0.7	8	0.2	0.7	0.3	53	0.10	0.064	9
1183267	Soil Pulp	2.3	94.7	20.1	80	0.2	36.9	27.2	1175	4.34	18.1	3.9	0.8	9	0.3	1.2	0.3	59	0.12	0.098	13
1183268	Soil Pulp	1.4	31.1	12.3	56	<0.1	14.9	7.8	451	2.69	9.1	1.1	0.4	7	0.3	0.7	0.3	53	0.09	0.067	8
1183269	Soil Pulp	1.2	97.6	16.5	81	0.2	39.3	20.7	753	4.75	38.4	4.6	1.4	9	0.3	1.8	0.3	61	0.21	0.074	10
1183270	Soil Pulp	1.0	132.4	14.1	90	<0.1	53.5	31.7	1541	7.75	29.5	3.2	1.2	7	0.4	0.8	0.2	75	0.22	0.100	8
1183271	Soil Pulp	1.5	46.9	15.2	83	<0.1	24.5	13.8	810	3.71	15.9	2.4	0.8	7	0.3	0.9	0.3	62	0.09	0.061	9
1183272	Soil Pulp	1.4	50.6	13.3	66	<0.1	18.2	11.2	639	3.08	10.4	2.6	0.6	7	0.2	0.8	0.3	58	0.10	0.073	7
1183273	Soil Pulp	1.2	85.1	15.6	63	0.1	22.6	19.5	952	3.82	15.5	2.2	0.4	7	0.3	0.7	0.3	62	0.07	0.132	8
1183274	Soil Pulp	1.4	97.3	17.3	65	0.2	32.2	22.0	1163	3.97	18.7	2.7	0.5	8	0.4	0.9	0.3	67	0.15	0.116	9
1183275	Soil Pulp	1.4	213.7	23.8	113	0.5	63.8	56.1	2705	6.96	44.7	6.8	2.5	18	0.7	1.2	0.3	99	0.34	0.088	23
1183276	Soil Pulp	0.4	246.1	11.6	58	0.3	56.0	38.0	1220	6.68	40.9	4.6	1.3	8	0.3	1.0	0.2	54	0.29	0.068	13
1183277	Soil Pulp	0.2	276.7	6.1	54	0.2	71.2	46.6	1286	7.32	32.0	3.5	1.0	9	0.1	0.6	0.2	53	0.27	0.075	5
1183278	Soil Pulp	0.8	265.8	15.3	63	0.3	82.4	62.9	1829	7.28	50.0	3.5	1.0	11	0.2	1.4	0.2	58	0.21	0.055	6
1183391	Soil Pulp	0.5	138.0	10.4	63	0.2	25.6	22.5	2732	3.46	4.5	1.0	0.3	57	0.7	0.3	0.1	87	1.90	0.160	13



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182531	Soil Pulp	9	1.25	56	0.002	2	0.35	0.004	0.05	<0.1	0.18	3.2	<0.1	0.13	1	0.8	<0.2
1183251	Soil Pulp	58	1.14	116	0.031	2	2.53	0.003	0.11	0.1	0.05	12.3	<0.1	0.07	8	0.8	<0.2
1183252	Soil Pulp	45	0.91	210	0.023	3	2.30	0.004	0.09	0.1	0.10	15.3	0.2	0.07	7	1.2	<0.2
1183253	Soil Pulp	66	1.22	106	0.015	3	2.40	0.003	0.08	0.1	0.04	9.4	<0.1	0.07	8	0.5	<0.2
1183254	Soil Pulp	34	0.46	114	0.007	2	1.51	0.005	0.08	0.1	0.07	5.8	<0.1	0.06	5	<0.5	<0.2
1183255	Soil Pulp	49	0.60	142	0.014	4	1.43	0.005	0.12	0.1	0.12	9.9	0.1	0.12	5	0.8	<0.2
1183256	Soil Pulp	97	1.18	98	0.053	2	2.25	0.004	0.07	0.1	0.06	20.1	0.1	0.06	9	0.8	<0.2
1183257	Soil Pulp	74	1.14	93	0.120	2	2.08	0.004	0.07	0.1	0.06	19.2	<0.1	<0.05	8	0.6	<0.2
1183258	Soil Pulp	84	1.43	66	0.210	3	2.53	0.004	0.03	0.1	0.05	17.3	<0.1	0.07	11	0.7	<0.2
1183259	Soil Pulp	107	1.88	73	0.177	4	2.90	0.006	0.03	<0.1	0.08	24.8	<0.1	0.08	12	0.9	<0.2
1183260	Soil Pulp	57	0.85	165	0.038	2	2.28	0.003	0.09	0.1	0.04	8.4	0.1	<0.05	8	<0.5	<0.2
1183261	Soil Pulp	52	1.18	169	0.091	3	2.47	0.005	0.11	0.1	0.07	12.3	0.2	0.09	9	0.8	<0.2
1183262	Soil Pulp	39	0.54	102	0.004	3	1.26	0.002	0.08	<0.1	0.07	12.3	<0.1	0.08	4	<0.5	<0.2
1183263	Soil Pulp	49	1.14	141	0.008	4	2.09	0.003	0.14	<0.1	0.13	14.3	<0.1	0.08	7	0.9	<0.2
1183264	Soil Pulp	28	0.25	88	0.007	1	1.22	0.002	0.06	<0.1	0.09	1.5	<0.1	0.11	5	0.8	<0.2
1183265	Soil Pulp	22	0.27	90	0.029	1	1.10	0.006	0.04	0.1	0.10	2.3	0.1	0.15	5	0.5	<0.2
1183266	Soil Pulp	29	0.43	110	0.019	1	1.63	0.004	0.04	0.2	0.04	1.7	0.1	0.07	5	<0.5	<0.2
1183267	Soil Pulp	32	0.52	117	0.022	2	1.48	0.005	0.06	0.2	0.10	4.8	0.2	0.05	6	0.8	<0.2
1183268	Soil Pulp	22	0.28	134	0.016	<1	1.23	0.003	0.04	0.2	0.05	1.2	0.1	0.07	5	<0.5	<0.2
1183269	Soil Pulp	30	0.40	238	0.010	2	1.19	0.003	0.05	0.1	0.08	7.2	<0.1	<0.05	4	0.9	<0.2
1183270	Soil Pulp	35	0.28	280	0.005	2	0.93	0.003	0.06	<0.1	0.07	12.6	<0.1	0.05	3	0.8	<0.2
1183271	Soil Pulp	32	0.44	128	0.019	1	1.62	0.003	0.05	0.2	0.05	3.0	0.1	0.07	6	<0.5	<0.2
1183272	Soil Pulp	26	0.34	124	0.015	1	1.35	0.003	0.04	0.2	0.06	2.1	<0.1	0.09	5	<0.5	<0.2
1183273	Soil Pulp	28	0.35	223	0.011	<1	1.49	0.004	0.04	0.1	0.12	2.7	0.1	0.14	5	0.8	<0.2
1183274	Soil Pulp	36	0.36	145	0.010	2	1.26	0.004	0.05	0.1	0.13	5.1	0.1	0.11	5	<0.5	<0.2
1183275	Soil Pulp	47	0.87	226	0.014	2	1.82	0.005	0.06	0.1	0.26	18.3	0.2	0.05	6	1.2	<0.2
1183276	Soil Pulp	27	0.34	126	0.002	3	0.80	0.001	0.07	<0.1	0.11	15.3	<0.1	<0.05	3	0.7	<0.2
1183277	Soil Pulp	26	0.28	312	0.004	2	0.61	0.008	0.09	<0.1	0.04	17.3	<0.1	<0.05	2	<0.5	<0.2
1183278	Soil Pulp	27	0.36	442	0.002	3	0.73	0.004	0.07	<0.1	0.10	14.7	<0.1	<0.05	3	0.5	<0.2
1183391	Soil Pulp	43	0.67	126	0.013	5	1.41	0.006	0.06	<0.1	0.19	7.2	<0.1	0.19	5	1.0	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1183392	Soil Pulp	0.9	187.0	12.8	87	0.1	53.3	51.7	3256	6.01	6.9	1.1	1.0	32	0.5	0.4	0.2	186	0.99	0.138
1183393	Soil Pulp	0.7	234.5	12.3	91	0.2	52.6	51.2	2524	5.94	9.9	3.3	1.0	31	0.3	0.4	0.2	183	0.86	0.113
1183394	Soil Pulp	1.0	177.2	17.1	95	0.2	38.1	61.1	3196	5.61	8.3	1.8	0.9	19	0.8	0.5	0.3	121	0.71	0.141
1183395	Soil Pulp	1.4	90.9	15.0	93	<0.1	36.2	46.8	2674	6.62	10.4	2.4	1.6	10	0.3	0.6	0.3	162	0.22	0.103
1183396	Soil Pulp	0.9	115.1	11.9	68	<0.1	37.1	24.4	1023	3.50	12.0	2.5	1.5	9	0.2	0.7	0.2	78	0.18	0.050
1183397	Soil Pulp	0.8	207.2	16.0	85	0.1	42.1	68.6	3640	6.35	9.1	3.1	1.0	21	0.4	0.4	0.2	165	0.62	0.185
1183398	Soil Pulp	0.7	149.3	16.9	79	0.1	39.1	51.4	3395	4.53	9.2	3.2	0.6	25	0.8	0.5	0.2	103	0.71	0.131
1183399	Soil Pulp	1.1	140.8	25.0	87	0.2	48.1	54.0	2365	4.63	31.3	1.3	1.3	27	0.5	0.7	0.2	52	0.81	0.124
1183400	Soil Pulp	1.2	131.7	30.9	92	0.5	52.4	54.5	3226	5.59	19.4	5.1	3.6	27	0.3	1.1	0.3	108	0.35	0.088



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183392	Soil Pulp	95	1.62	135	0.107	3	2.78	0.007	0.08	0.1	0.11	21.0	<0.1	0.16	10	<0.5	<0.2
1183393	Soil Pulp	85	1.52	81	0.151	3	2.50	0.008	0.05	<0.1	0.12	20.0	<0.1	0.12	10	0.8	<0.2
1183394	Soil Pulp	51	0.70	116	0.082	3	2.14	0.004	0.08	0.1	0.07	9.5	<0.1	0.13	10	0.5	<0.2
1183395	Soil Pulp	56	0.81	157	0.153	2	2.49	0.005	0.08	0.2	0.05	9.4	<0.1	0.06	11	0.6	<0.2
1183396	Soil Pulp	39	0.63	78	0.041	2	1.65	0.004	0.05	0.2	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
1183397	Soil Pulp	73	1.00	103	0.083	3	2.42	0.004	0.08	0.1	0.07	20.6	<0.1	0.12	9	<0.5	<0.2
1183398	Soil Pulp	46	0.73	139	0.047	3	1.68	0.006	0.09	0.1	0.10	8.9	<0.1	0.16	6	<0.5	<0.2
1183399	Soil Pulp	29	0.56	117	0.010	6	1.28	0.004	0.14	<0.1	0.08	6.5	<0.1	0.14	4	<0.5	<0.2
1183400	Soil Pulp	58	1.20	132	0.031	2	2.44	0.004	0.14	<0.1	0.07	12.0	0.1	<0.05	8	0.6	<0.2



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QUALITY CONTROL REPORT

VAN11004728.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1183251	Soil Pulp	0.8	202.2	36.7	102	0.3	55.7	52.8	3506	6.89	21.8	3.0	1.9	15	0.3	0.6	0.3	105	0.25	0.096	34
REP 1183251	QC	0.9	200.7	36.0	99	0.3	55.5	55.3	3534	7.01	22.1	3.5	1.8	15	0.4	0.6	0.3	105	0.24	0.092	33
1183272	Soil Pulp	1.4	50.6	13.3	66	<0.1	18.2	11.2	639	3.08	10.4	2.6	0.6	7	0.2	0.8	0.3	58	0.10	0.073	7
REP 1183272	QC	1.4	54.2	14.2	69	<0.1	19.3	11.7	679	3.30	11.1	1.8	0.5	8	0.2	0.7	0.3	61	0.11	0.078	8
1183399	Soil Pulp	1.1	140.8	25.0	87	0.2	48.1	54.0	2365	4.63	31.3	1.3	1.3	27	0.5	0.7	0.2	52	0.81	0.124	18
REP 1183399	QC	1.1	138.8	23.3	84	0.2	45.9	54.0	2294	4.56	31.4	3.1	1.4	25	0.5	0.7	0.2	51	0.83	0.121	20
Reference Materials																					
STD DS8	Standard	10.6	106.0	119.2	301	1.8	35.4	7.1	549	2.28	23.8	120.1	5.8	58	2.3	5.2	6.4	38	0.60	0.073	11
STD DS8	Standard	12.2	106.0	119.8	297	1.7	35.7	7.1	591	2.33	24.6	106.3	5.8	61	2.3	5.2	6.3	38	0.63	0.083	12
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: September 29, 2011

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QUALITY CONTROL REPORT

VAN11004728.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1183251	Soil Pulp	58	1.14	116	0.031	2	2.53	0.003	0.11	0.1	0.05	12.3	<0.1	0.07	8	0.8	<0.2
REP 1183251	QC	58	1.16	114	0.029	4	2.51	0.004	0.11	0.1	0.04	12.4	0.1	0.06	8	0.6	<0.2
1183272	Soil Pulp	26	0.34	124	0.015	1	1.35	0.003	0.04	0.2	0.06	2.1	<0.1	0.09	5	<0.5	<0.2
REP 1183272	QC	28	0.36	136	0.017	1	1.41	0.003	0.05	0.2	0.08	2.2	0.1	0.09	6	0.6	<0.2
1183399	Soil Pulp	29	0.56	117	0.010	6	1.28	0.004	0.14	<0.1	0.08	6.5	<0.1	0.14	4	<0.5	<0.2
REP 1183399	QC	27	0.53	119	0.011	6	1.22	0.004	0.14	<0.1	0.08	6.7	<0.1	0.16	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	108	0.57	250	0.092	3	0.85	0.093	0.42	2.9	0.22	2.2	5.6	0.15	4	4.6	5.0
STD DS8	Standard	108	0.59	269	0.100	2	0.92	0.099	0.43	2.8	0.18	2.1	5.4	0.18	5	4.9	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: K. Wayne Livingstone
Receiving Lab: Canada-Whitehorse
Received: July 12, 2011
Report Date: August 11, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000534.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number TUT-02
Number of Samples: 60

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Bob Thomas
J. Garfield MacVeigh
Darwin Green
Liz Cornejo

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	60	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	60	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	60	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CCJV
Report Date: August 11, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11000534.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
54571	Rock	2.51	2	0.2	5.8	3.5	7	<0.1	9.1	3.4	1947	9.22	37.1	<0.5	0.3	99	<0.1	0.4	<0.1	5	21.78
54575	Rock	0.84	3	<0.1	3.8	4.0	6	<0.1	8.3	4.3	1413	7.61	6.3	<0.5	0.9	61	<0.1	0.2	<0.1	8	13.06
54576	Rock	1.40	3	<0.1	13.7	6.3	6	<0.1	21.7	10.5	1229	2.02	9.5	0.9	1.2	905	<0.1	0.3	<0.1	8	25.82
54551	Rock	1.15	20	75.5	10.7	22.2	111	2.5	17.1	12.2	1122	1.71	22.2	2.5	2.5	112	2.2	2.1	2.2	22	1.12
54551	Rock	0.25	15	2.2	17.2	2122	1172	11.2	12.1	5.2	2525	2.52	152.1	12.2	1.2	522	2.2	1511	21.2	2	2.21

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



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Report Date: August 11, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11000534.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54571	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54572	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54573	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54574	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54575	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54576	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54577	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54578	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54579	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54580	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54581	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54582	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54583	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54584	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54585	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54586	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54587	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54588	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54589	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54590	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54591	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54592	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54593	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54594	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54595	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54596	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54597	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54598	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54599	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54600	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54601	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54602	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54603	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54604	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54605	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54606	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54607	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54608	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54609	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54610	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54611	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54612	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54613	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54614	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54615	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54616	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54617	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54618	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54619	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54620	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54621	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54622	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54623	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54624	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54625	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54626	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54627	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54628	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54629	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54630	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54631	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54632	Rock	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.								



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Project: CCJV

Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000534.1

	Method	Analyte	Unit	MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
					Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
55455	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55456	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55457	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55458	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55459	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55460	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55461	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55462	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55463	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55464	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55465	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55466	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55467	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55468	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55469	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55470	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55471	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55472	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55473	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55474	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55475	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55476	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55477	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55478	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55479	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55480	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55481	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55482	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55483	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55484	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55485	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55486	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55487	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55488	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55489	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55490	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55491	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55492	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55493	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55494	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55495	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55496	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55497	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55498	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55499	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55500	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55501	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55502	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55503	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55504	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55505	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55506	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55507	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55508	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55509	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55510	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55511	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55512	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55513	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55514	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55515	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55516	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55517	Rock		1.55	<2	0.1	117.8	5.1	<0.1	10.8	9.9	235	1.55	0.8	<0.5	0.5	46	0.2	0.1	<0.1	174	6.12			
55518																								

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



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Project: CCJV
Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000534.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
51855	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51856	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51857	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51858	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51859	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51860	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51861	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51862	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51863	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51864	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51865	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51866	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51867	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51868	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51869	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51870	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51871	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51872	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51873	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51874	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51875	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51876	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51877	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51878	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51879	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51880	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51881	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51882	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51883	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51884	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51885	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51886	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51887	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51888	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51889	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51890	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51891	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51892	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51893	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51894	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51895	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51896	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51897	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51898	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51899	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51900	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51901	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51902	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51903	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51904	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51905	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51906	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51907	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51908	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51909	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51910	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51911	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51912	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51913	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51914	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1	0.0
51915	Rock	0.007	1	3	0.02	35	0.010	20	0.17	0.004	0.04	0.1	0.10	0.1	0.30	0.0	1.00	1</	



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Project: CCJV
Report Date: August 11, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000534.1

	Method	Analyte	Unit	MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
					Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																								
54556	Rock	1.25	3	0.9	6.9	11.8	13	0.3	8.6	1.2	898	0.76	8.6	3.6	1.8	168	0.6	0.2	0.1	3	22.36			
REP 54556	QC			0.9	6.8	11.7	13	0.3	8.6	1.2	886	0.76	7.6	5.5	1.8	171	0.7	0.2	0.1	3	22.33			
REP 54855	QC		29																					
55451	Rock	2.97	12	0.3	8.2	14.4	6	0.7	1.1	0.2	16	1.02	51.9	4.5	8.6	4	<0.1	6.1	0.8	4	0.01			
REP 55451	QC			0.4	8.1	14.1	5	0.7	1.1	0.2	16	1.05	51.3	6.2	8.4	4	<0.1	6.1	0.9	5	0.01			
Core Reject Duplicates																								
54855	Rock	1.00	28	0.4	18.1	5181	5260	14.3	12.4	3.8	3886	3.12	253.6	19.0	1.0	1167	33.1	>2000	197.9	7	8.93			
DUP 54855	QC		29	0.5	17.0	5598	5336	15.4	12.6	3.8	3865	3.13	252.4	19.6	1.1	1148	35.2	>2000	215.0	7	8.89			
Reference Materials																								
STD DS8	Standard			13.2	115.0	125.0	315	1.7	39.1	8.0	581	2.44	26.5	131.7	6.3	61	2.6	5.3	6.4	40	0.66			
STD DS8	Standard			13.3	114.6	118.9	309	2.0	39.1	7.8	595	2.45	25.6	108.1	6.5	63	2.3	4.5	6.0	41	0.70			
STD OREAS45CA	Standard			0.8	502.5	20.4	57	0.3	251.3	92.7	958	16.43	3.5	40.6	7.1	13	<0.1	0.1	0.2	213	0.44			
STD OREAS45CA	Standard			0.8	518.8	21.1	62	0.3	260.0	91.0	931	16.18	3.9	38.8	7.4	14	0.2	<0.1	0.2	215	0.42			
STD OXC88	Standard		217																					
STD OXC88	Standard		207																					
STD OXC88	Standard		206																					
STD OXC88	Standard		191																					
STD OXH82	Standard		1376																					
STD OXH82	Standard		1287																					
STD OXH82	Standard		1353																					
STD OXH82	Standard		1362																					
STD OXC88 Expected					203																			
STD OXH82 Expected					1278																			
STD DS8 Expected					13.44 110 123 312 1.69 38.1 7.5 615 2.46 26 107 6.89 67.7 2.38 4.8 6.67 41.1 0.7																			
STD OREAS45CA Expected					1 494 20 60 0.275 240 92 943 15.69 3.8 43 7 15 0.1 0.13 0.19 215 0.4265																			
BLK	Blank	<2																						
BLK	Blank	<2																						
BLK	Blank	<2																						

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Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: August 11, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000534.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
54556	Rock	0.044	10	4	0.02	65	0.029	<20	0.90	0.015	0.01	<0.1	<0.01	<0.1	0.46	0.3	1.6	2	<0.2
REP 54556	QC	0.045	10	5	0.03	72	0.030	<20	0.90	0.015	0.01	<0.1	<0.01	<0.1	0.46	0.2	2.0	2	<0.2
REP 54855																			
55451	Rock	0.022	5	2	0.05	1186	0.002	<20	0.45	0.001	0.15	<0.1	0.17	0.2	0.12	1.1	2.0	1	<0.2
REP 55451	QC	0.021	5	2	0.05	1163	0.002	<20	0.49	0.001	0.15	<0.1	0.15	0.2	0.12	1.0	1.4	1	<0.2
Core Reject Duplicates																			
54855	Rock	0.027	4	7	3.03	75	0.010	<20	0.47	0.004	<0.01	<0.1	1.42	<0.1	3.70	0.9	>100	4	2.0
DUP 54855	QC	0.027	4	7	2.92	56	0.009	<20	0.44	0.003	<0.01	<0.1	1.47	<0.1	3.71	1.0	>100	3	3.1
Reference Materials																			
STD DS8	Standard	0.082	12	105	0.60	304	0.098	<20	0.88	0.078	0.40	2.7	0.18	5.2	0.18	1.8	4.8	5	4.9
STD DS8	Standard	0.078	14	117	0.61	276	0.112	<20	0.89	0.086	0.38	3.2	0.18	5.4	0.16	1.8	5.8	5	4.5
STD OREAS45CA	Standard	0.039	15	693	0.13	161	0.120	<20	3.40	0.011	0.07	<0.1	0.02	<0.1	<0.05	38.6	0.7	19	<0.2
STD OREAS45CA	Standard	0.037	16	721	0.15	162	0.139	<20	3.72	0.013	0.08	<0.1	0.02	<0.1	<0.05	37.6	1.1	19	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		

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320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: August 11, 2011

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

WHI11000534.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <0.1 <1 <0.01 <0.5 <0.5 <0.1 <1 <0.1 <0.1 <0.1 <2 <0.01																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <0.1 <1 <0.01 <0.5 <0.5 <0.1 <1 <0.1 <0.1 <0.1 <2 <0.01																		
Prep Wash																				
G1	Prep Blank	<2 0.1 1.4 3.1 48 <0.1 3.9 4.3 574 2.01 <0.5 2.1 5.5 67 <0.1 <0.1 <0.1 38 0.53																		
G1	Prep Blank	<2 0.1 1.8 3.0 48 <0.1 3.7 4.5 565 2.00 <0.5 <0.5 5.4 76 <0.1 <0.1 <0.1 37 0.53																		



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Report Date: August 11, 2011

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QUALITY CONTROL REPORT

WHI11000534.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.074	10	7	0.60	219	0.143	<20	1.01	0.093	0.48	<0.1	<0.01	0.3	<0.05	1.8	<0.5	5	<0.2
G1	Prep Blank	0.078	10	8	0.60	229	0.142	<20	1.01	0.089	0.56	<0.1	<0.01	0.3	<0.05	1.9	0.6	5	<0.2



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Submitted By: K. Wayne Livingstone
Receiving Lab: Canada-Whitehorse
Received: July 25, 2011
Report Date: August 20, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000728.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number HG-02
Number of Samples: 6

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Bob Thomas
J. Garfield MacVeigh
Darwin Green
Liz Cornejo

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	6	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	6	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	6	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Report Date: August 20, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000728.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55064	Rock	0.99	<2	<0.1	4.2	2.0	7	<0.1	2.2	2.4	637	1.44	0.5	<0.5	0.6	580	<0.1	<0.1	<0.1	<2
55065	Rock	1.25	<2	<0.1	6.6	15.2	59	<0.1	18.9	9.2	329	2.67	2.7	<0.5	2.3	689	0.2	<0.1	<0.1	6
55066	Rock	1.11	<2	<0.1	5.8	8.7	58	<0.1	25.4	9.7	420	2.64	2.8	<0.5	2.7	573	<0.1	<0.1	<0.1	5
55069	Rock	0.77	<2	<0.1	0.4	1.1	<1	<0.1	<0.1	0.7	803	0.89	0.8	<0.5	0.1	80	<0.1	<0.1	<0.1	<2
54971	Rock	0.73	<2	<0.1	18.7	23.5	92	0.1	25.9	19.1	454	3.95	2.7	<0.5	1.6	12	<0.1	0.2	0.2	16
54972	Rock	0.79	<2	<0.1	0.3	28.8	130	<0.1	31.1	23.3	257	8.97	<0.5	<0.5	0.5	7	<0.1	<0.1	0.2	23



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Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000728.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
55064	Rock	0.018	6	<1	1.08	27	<0.001	<20	0.07	0.004	0.03	<0.1	<0.01	<0.1	0.15	0.8	<0.5	<1	<0.2
55065	Rock	0.022	6	6	5.87	13	<0.001	<20	0.16	0.014	0.07	<0.1	0.05	<0.1	<0.05	1.8	0.7	<1	<0.2
55066	Rock	0.028	5	5	4.41	12	<0.001	<20	0.13	0.008	0.06	<0.1	<0.01	<0.1	<0.05	2.1	<0.5	<1	<0.2
55069	Rock	0.013	<1	<1	6.21	6	<0.001	<20	0.02	0.007	<0.01	<0.1	<0.01	<0.1	0.07	0.5	<0.5	<1	<0.2
54971	Rock	0.027	1	10	0.72	70	0.003	<20	1.91	0.013	0.05	<0.1	0.02	<0.1	<0.05	1.8	<0.5	6	<0.2
54972	Rock	0.015	<1	6	1.23	12	0.002	<20	3.96	0.003	0.04	<0.1	<0.01	<0.1	<0.05	2.2	<0.5	12	<0.2



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Project: CCJV
Report Date: August 20, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11000728.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS8	Standard			13.0	113.2	135.0	318	1.7	38.9	7.1	624	2.54	25.1	103.2	6.5	63	2.3	4.1	6.7	40	0.68
STD OREAS45CA	Standard			0.8	486.5	19.4	59	0.2	220.7	87.3	929	15.23	3.5	35.1	6.4	15	<0.1	<0.1	0.2	198	0.42
STD OXC88	Standard		203																		
STD OXH82	Standard		1356																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	<0.1	1.6	3.0	49	<0.1	3.2	4.0	603	1.98	0.7	<0.5	5.6	67	<0.1	0.2	<0.1	38	0.53



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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11000728.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Reference Materials																		
STD DS8	Standard	0.078	12	114	0.62	303	0.104	<20	0.90	0.086	0.42	3.5	0.20	5.8	0.17	2.1	5.3	5
STD OREAS45CA	Standard	0.038	15	709	0.13	158	0.126	<20	3.36	0.014	0.07	<0.1	0.03	<0.1	<0.05	36.0	<0.5	<0.2
STD OXC88	Standard																	
STD OXH82	Standard																	
STD OXC88 Expected																		
STD OXH82 Expected																		
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128	3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1
Prep Wash																		
G1	Prep Blank	0.079	10	8	0.59	229	0.137	<20	1.15	0.135	0.51	<0.1	0.01	0.3	<0.05	2.2	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Whitehorse
Received: August 16, 2011
Report Date: October 04, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001238.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-04
Number of Samples: 14

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	14	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	14	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	14	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CCJV
Report Date: October 04, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001238.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55003	Rock	1.57	<2	0.2	22.4	1.5	13	<0.1	14.9	6.0	857	2.29	33.6	<0.5	1.5	76	<0.1	0.1	<0.1	15
55004	Rock	1.38	<2	0.2	4.1	2.8	19	<0.1	7.6	4.1	561	2.78	8.0	<0.5	0.6	60	0.1	0.3	<0.1	7
55005	Rock	1.54	<2	0.1	133.0	119.9	1207	0.1	13.3	5.3	582	2.81	29.9	<0.5	0.8	48	7.2	0.7	<0.1	27
55006	Rock	1.78	<2	0.1	17.4	16.6	128	<0.1	10.9	4.4	732	3.44	15.4	0.6	1.0	84	0.7	0.3	<0.1	27
55007	Rock	1.26	<2	0.4	34.0	858.9	439	0.4	23.7	12.4	147	1.13	34.2	<0.5	0.4	89	0.9	2.9	<0.1	5
55008	Rock	1.24	<2	0.1	35.9	8.0	13	<0.1	7.5	3.1	241	1.23	16.9	<0.5	1.0	17	0.1	0.3	<0.1	8
55009	Rock	2.24	<2	0.2	917.3	24.6	1701	0.3	37.0	12.8	965	5.06	122.7	2.0	0.8	67	16.4	1.9	<0.1	13
55010	Rock	1.91	10	0.4	93.4	16.6	6448	0.3	11.9	5.6	2718	8.42	15.9	4.2	0.5	69	46.1	3.1	<0.1	9
55011	Rock	1.44	2	1.0	42.0	12.8	37	0.2	99.4	21.8	1488	7.57	156.8	0.8	1.6	107	0.1	3.3	<0.1	19
55467	Rock	2.54	<2	<0.1	115.2	3054	1498	3.1	2.3	0.4	14	0.17	12.3	<0.5	<0.1	237	5.2	10.1	<0.1	<2
55468	Rock	1.82	<2	<0.1	28.7	525.1	277	0.5	2.8	0.8	56	0.19	7.0	<0.5	<0.1	273	1.2	2.4	<0.1	<2
55469	Rock	1.74	<2	<0.1	23.4	52.8	24	0.2	1.7	0.4	17	0.18	11.4	<0.5	0.2	148	<0.1	0.9	<0.1	<2
55470	Rock	2.52	<2	0.3	19.4	6.8	56	<0.1	4.0	2.5	1561	8.28	13.5	<0.5	0.2	128	0.3	1.4	<0.1	6
55471	Rock	2.75	<2	0.5	41.9	5.9	11	<0.1	12.4	3.7	504	2.94	25.5	<0.5	0.3	40	<0.1	0.7	<0.1	2



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Project: CCJV
Report Date: October 04, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001238.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
55003	Rock	0.013	1	5	1.10	175	<0.001	<20	0.12	0.005	0.07	<0.1	0.01	<0.1	<0.05	3.7	<0.5	<1
55004	Rock	0.008	<1	3	0.77	64	<0.001	<20	0.10	0.004	0.03	<0.1	0.03	<0.1	<0.05	1.7	<0.5	<1
55005	Rock	0.007	<1	8	0.63	1294	<0.001	<20	0.09	0.003	0.04	<0.1	1.06	<0.1	0.11	2.6	<0.5	<1
55006	Rock	0.005	<1	6	1.36	2798	<0.001	<20	0.10	0.002	0.05	<0.1	0.06	<0.1	0.08	2.4	<0.5	<1
55007	Rock	0.005	<1	3	<0.01	1197	<0.001	<20	0.08	0.001	0.02	<0.1	1.00	<0.1	0.09	0.9	<0.5	<1
55008	Rock	0.006	<1	3	0.06	2802	<0.001	<20	0.07	<0.001	0.03	<0.1	0.13	<0.1	0.09	1.0	<0.5	<1
55009	Rock	0.009	<1	4	2.58	1114	<0.001	<20	0.10	0.003	0.04	<0.1	0.26	<0.1	0.11	1.6	0.7	<1
55010	Rock	0.031	<1	2	2.37	75	<0.001	<20	0.09	0.003	0.03	<0.1	5.93	<0.1	0.28	1.9	0.5	2
55011	Rock	0.163	1	7	3.01	399	<0.001	<20	0.27	0.006	0.10	<0.1	0.19	<0.1	0.10	3.6	1.2	<1
55467	Rock	<0.001	<1	<1	<0.01	307	<0.001	<20	<0.01	<0.001	<0.01	<0.1	33.96	<0.1	0.16	<0.1	2.9	<1
55468	Rock	0.002	<1	<1	<0.01	1067	<0.001	<20	0.01	<0.001	<0.01	<0.1	6.86	<0.1	0.08	0.2	0.7	<1
55469	Rock	0.002	<1	1	<0.01	1176	<0.001	<20	0.04	<0.001	0.02	<0.1	2.01	<0.1	0.07	<0.1	<0.5	<1
55470	Rock	0.029	1	2	4.46	1846	<0.001	<20	0.08	0.004	<0.01	<0.1	1.06	<0.1	<0.05	0.7	<0.5	<1
55471	Rock	0.003	<1	4	0.96	443	<0.001	<20	0.06	0.002	0.02	<0.1	0.39	<0.1	<0.05	0.3	<0.5	<1



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Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001238.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
55005	Rock	1.54	<2	0.1	133.0	119.9	1207	0.1	13.3	5.3	582	2.81	29.9	<0.5	0.8	48	7.2	0.7	<0.1	27	3.20
REP 55005	QC			0.1	129.4	114.7	1175	0.1	13.4	5.2	565	2.73	28.7	0.6	0.8	48	6.5	0.7	<0.1	26	3.10
55010	Rock	1.91	10	0.4	93.4	16.6	6448	0.3	11.9	5.6	2718	8.42	15.9	4.2	0.5	69	46.1	3.1	<0.1	9	12.18
REP 55010	QC		8																		
Core Reject Duplicates																					
55470	Rock	2.52	<2	0.3	19.4	6.8	56	<0.1	4.0	2.5	1561	8.28	13.5	<0.5	0.2	128	0.3	1.4	<0.1	6	16.37
DUP 55470	QC		<2	0.4	21.7	6.4	57	<0.1	5.1	2.7	1552	8.17	14.2	0.8	0.2	127	0.2	1.5	<0.1	6	16.08
Reference Materials																					
STD DS8	Standard			12.9	103.7	123.1	311	1.8	38.6	7.8	594	2.45	28.4	111.8	6.3	67	2.2	4.6	6.4	42	0.71
STD OREAS45CA	Standard			0.8	500.7	20.3	63	0.3	256.3	89.4	923	15.98	3.2	62.7	6.7	16	<0.1	<0.1	0.2	205	0.44
STD OXC88	Standard		192																		
STD OXH82	Standard		1255																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.2	2.0	3.1	48	<0.1	3.8	4.2	534	1.94	<0.5	<0.5	5.0	62	<0.1	<0.1	<0.1	37	0.52
G1	Prep Blank		<2	0.1	2.1	2.8	47	<0.1	3.7	4.3	563	1.95	<0.5	<0.5	5.3	60	<0.1	<0.1	<0.1	37	0.51



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Project: CCJV

Report Date: October 04, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11001238.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
55005	Rock	0.007	<1	8	0.63	1294	<0.001	<20	0.09	0.003	0.04	<0.1	1.06	<0.1	0.11	2.6	<0.5	<1	<0.2
REP 55005	QC	0.007	<1	7	0.60	1431	<0.001	<20	0.09	0.004	0.04	<0.1	0.97	<0.1	0.11	2.6	<0.5	<1	<0.2
55010	Rock	0.031	<1	2	2.37	75	<0.001	<20	0.09	0.003	0.03	<0.1	5.93	<0.1	0.28	1.9	0.5	2	<0.2
REP 55010	QC																		
Core Reject Duplicates																			
55470	Rock	0.029	1	2	4.46	1846	<0.001	<20	0.08	0.004	<0.01	<0.1	1.06	<0.1	<0.05	0.7	<0.5	<1	<0.2
DUP 55470	QC	0.031	1	2	4.36	1799	<0.001	<20	0.08	0.004	<0.01	<0.1	1.38	<0.1	<0.05	0.8	<0.5	<1	<0.2
Reference Materials																			
STD DS8	Standard	0.080	16	110	0.61	293	0.115	<20	0.90	0.089	0.42	2.7	0.20	5.6	0.16	2.2	6.0	5	4.7
STD OREAS45CA	Standard	0.042	16	681	0.17	165	0.134	<20	3.77	0.007	0.07	<0.1	0.03	0.2	<0.05	43.7	0.8	19	<0.2
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.082	11	6	0.57	229	0.125	<20	0.96	0.077	0.47	<0.1	<0.01	0.3	<0.05	2.1	<0.5	5	<0.2
G1	Prep Blank	0.076	12	6	0.56	218	0.128	<20	0.96	0.076	0.47	<0.1	<0.01	0.3	<0.05	2.0	<0.5	5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Whitehorse
Received: August 24, 2011
Report Date: October 12, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001275.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: HG-06
Number of Samples: 15

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	15	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	15	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	15	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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320 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: CCJV
Report Date: October 12, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001275.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55020	Rock	1.10	<2	0.3	10.7	4.6	13	<0.1	16.5	6.3	988	4.31	10.1	<0.5	0.9	98	<0.1	<0.1	<0.1	10
55021	Rock	1.79	3	<0.1	2.2	2.0	11	<0.1	6.5	2.7	1668	6.47	5.4	<0.5	0.3	104	<0.1	0.2	<0.1	7
55022	Rock	1.48	5	0.1	3.3	2.9	9	<0.1	10.0	4.6	1790	6.59	22.4	<0.5	0.4	148	<0.1	0.4	<0.1	8
55023	Rock	1.63	3	0.2	15.7	5.8	13	<0.1	11.8	19.1	332	2.59	21.2	3.6	2.3	8	<0.1	0.2	<0.1	8
55024	Rock	0.69	15	0.3	5.6	17.9	8	0.5	31.9	26.2	114	4.75	105.7	13.4	1.3	3	<0.1	0.8	0.2	6
55025	Rock	1.39	<2	<0.1	7.3	2.2	18	<0.1	10.6	5.6	1715	6.24	8.2	<0.5	0.7	122	<0.1	0.1	<0.1	17
55026	Rock	2.09	<2	<0.1	18.7	2.9	12	<0.1	7.3	3.6	1582	7.80	5.1	<0.5	0.7	117	<0.1	0.2	<0.1	8
55027	Rock	1.66	6	0.1	1475	1.8	16	0.1	190.6	31.8	1771	8.48	187.3	<0.5	<0.1	72	<0.1	0.7	<0.1	19
55028	Rock	1.47	<2	0.1	16.3	2.5	11	<0.1	10.2	5.0	1432	5.34	20.7	<0.5	0.5	90	<0.1	0.3	<0.1	9
55029	Rock	1.36	<2	0.2	25.5	1.2	8	<0.1	10.5	2.8	2398	10.75	28.8	<0.5	<0.1	50	<0.1	0.5	<0.1	3
55030	Rock	1.78	<2	0.2	9.2	4.6	16	<0.1	5.9	2.1	139	1.65	8.6	<0.5	1.3	31	<0.1	0.2	<0.1	3
55031	Rock	1.48	<2	0.2	0.6	5.1	3	<0.1	0.8	0.4	110	0.17	0.7	<0.5	0.6	1041	<0.1	<0.1	<0.1	5
54626	Rock	2.28	<2	<0.1	1.9	1.5	7	<0.1	5.4	2.2	1386	6.65	5.7	<0.5	0.3	174	<0.1	0.2	<0.1	5
54627	Rock	1.83	<2	0.3	3.8	13.3	47	<0.1	7.1	3.6	1652	6.55	15.6	<0.5	0.3	159	0.2	0.8	<0.1	6
54628	Rock	1.51	<2	0.2	30.9	8.0	41	<0.1	10.1	5.9	289	1.56	0.8	<0.5	5.4	154	0.3	<0.1	0.2	5



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Project: CCJV
Report Date: October 12, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001275.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
55020	Rock	0.009	<1	4	1.47	15	0.001	<20	0.17	0.006	0.07	<0.1	0.19	<0.1	<0.05	3.1	<0.5	<1
55021	Rock	0.017	<1	2	3.87	10	<0.001	<20	0.08	0.004	0.02	<0.1	0.01	<0.1	<0.05	1.0	<0.5	<1
55022	Rock	0.036	2	2	2.72	39	<0.001	<20	0.14	0.004	0.06	<0.1	0.43	<0.1	<0.05	1.9	<0.5	<1
55023	Rock	0.021	1	5	0.04	36	0.001	<20	0.19	0.004	0.10	<0.1	0.19	<0.1	0.14	3.2	<0.5	<1
55024	Rock	0.006	<1	4	0.03	44	0.001	<20	0.18	0.004	0.09	<0.1	0.35	0.4	4.13	1.5	0.8	<1
55025	Rock	0.024	1	7	2.85	15	<0.001	<20	0.15	0.005	0.08	<0.1	0.03	<0.1	<0.05	3.7	<0.5	<1
55026	Rock	0.043	<1	3	4.09	57	<0.001	<20	0.16	0.008	0.07	<0.1	0.08	<0.1	<0.05	3.0	<0.5	<1
55027	Rock	0.012	2	6	2.26	26	<0.001	<20	0.12	0.009	0.03	<0.1	0.06	<0.1	0.06	4.6	0.7	<1
55028	Rock	0.010	<1	3	2.32	25	<0.001	<20	0.14	0.005	0.06	<0.1	0.14	<0.1	<0.05	2.6	<0.5	<1
55029	Rock	0.005	2	<1	0.75	88	<0.001	<20	0.06	0.003	<0.01	<0.1	0.69	<0.1	<0.05	0.9	<0.5	<1
55030	Rock	0.031	2	3	0.15	16	<0.001	<20	0.30	0.013	0.06	<0.1	0.06	<0.1	<0.05	1.1	<0.5	<1
55031	Rock	0.011	4	1	0.94	31	<0.001	<20	0.03	0.009	<0.01	<0.1	0.02	<0.1	<0.05	0.6	<0.5	<1
54626	Rock	0.032	2	<1	5.91	25	<0.001	<20	0.12	0.005	0.04	<0.1	0.05	<0.1	<0.05	1.3	<0.5	<1
54627	Rock	0.024	<1	2	4.78	574	<0.001	<20	0.09	0.007	0.02	<0.1	0.43	<0.1	<0.05	1.2	<0.5	<1
54628	Rock	0.052	6	7	4.82	58	<0.001	<20	0.35	0.017	0.25	<0.1	<0.01	<0.1	<0.05	4.3	1.2	<1



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Project: CCJV

Report Date: October 12, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001275.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
55024	Rock	0.69	15	0.3	5.6	17.9	8	0.5	31.9	26.2	114	4.75	105.7	13.4	1.3	3	<0.1	0.8	0.2	6	0.23
REP 55024	QC			0.4	5.9	17.4	8	0.6	32.4	25.7	111	4.80	107.5	12.6	1.3	3	<0.1	0.8	0.2	6	0.21
Reference Materials																					
STD DS8	Standard			14.0	107.2	120.6	307	1.8	37.3	7.4	571	2.37	25.6	104.0	6.7	69	2.3	4.4	6.9	33	0.56
STD OREAS45CA	Standard			0.8	513.8	22.1	65	0.3	256.8	90.5	949	16.23	4.0	39.4	7.6	17	0.1	<0.1	0.2	211	0.45
STD OXC88	Standard		196																		
STD OXH82	Standard		1279																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.2	2.4	13.9	54	<0.1	2.4	3.6	564	1.98	4.2	2.2	6.0	78	<0.1	<0.1	<0.1	29	0.55
G1	Prep Blank		<2	0.1	2.5	3.3	47	<0.1	2.2	3.7	567	2.02	1.2	<0.5	6.2	80	<0.1	<0.1	<0.1	31	0.55



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Vancouver BC V6C 2V6 Canada

Project: CCJV

Report Date: October 12, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11001275.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
55024	Rock	0.006	<1	4	0.03	44	0.001	<20	0.18	0.004	0.09	<0.1	0.35	0.4	4.13	1.5	0.8	<1	<0.2
REP 55024	QC	0.006	<1	4	0.03	45	0.001	<20	0.17	0.004	0.10	<0.1	0.36	0.4	4.18	1.4	<0.5	<1	<0.2
Reference Materials																			
STD DS8	Standard	0.081	14	109	0.59	280	0.118	<20	0.92	0.088	0.41	2.1	0.16	5.2	0.13	2.1	5.2	5	4.9
STD OREAS45CA	Standard	0.040	17	638	0.17	171	0.153	<20	3.81	0.010	0.06	<0.1	0.03	<0.1	<0.05	40.1	0.8	19	<0.2
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.070	14	4	0.47	160	0.139	<20	1.01	0.131	0.47	<0.1	<0.01	0.3	<0.05	2.0	<0.5	5	<0.2
G1	Prep Blank	0.076	15	4	0.50	166	0.144	<20	1.03	0.131	0.52	<0.1	<0.01	0.3	<0.05	2.2	<0.5	5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Whitehorse
Received: September 26, 2011
Report Date: November 03, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001505.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Report Email List

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	9	Crush, split and pulverize 250 g rock to 200 mesh			SMI
3B	9	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	9	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CCJV
Report Date: November 03, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001505.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55362	Rock	1.36	4	<0.1	195.4	3.0	136	<0.1	114.1	62.6	1490	11.74	1.1	1.5	0.6	24	0.2	<0.1	<0.1	598
55363	Rock	1.25	3	<0.1	117.6	5.9	62	<0.1	46.7	25.5	1161	4.89	0.6	4.5	1.2	133	0.2	<0.1	<0.1	128
55364	Rock	1.71	<2	<0.1	180.8	1.2	112	<0.1	94.7	49.4	1420	9.34	12.1	3.0	0.4	76	0.2	<0.1	<0.1	347
55365	Rock	1.23	3	0.1	96.4	4.1	96	<0.1	44.3	25.3	1230	6.24	5.2	1.6	1.0	67	0.3	<0.1	0.2	70
55366	Rock	0.94	12	36.2	61.2	198.1	64	0.3	25.1	10.5	109	6.87	54.7	10.4	6.5	14	<0.1	1.1	0.5	25
55367	Rock	0.79	<2	0.1	22.4	13.5	62	<0.1	23.7	11.7	358	3.06	14.0	1.9	4.7	5	<0.1	0.1	0.2	5
55368	Rock	1.10	4	0.3	19.8	10.8	53	<0.1	15.4	7.4	474	1.99	<0.5	0.7	6.5	197	0.2	<0.1	0.2	10
54640	Rock	1.94	<2	0.3	33.3	10.8	28	0.1	12.7	7.0	1689	6.74	27.8	<0.5	1.0	93	0.1	1.9	<0.1	16
54641	Rock	1.85	5	0.1	38.4	1.3	9	<0.1	3.5	2.0	2482	8.71	3.3	2.3	0.3	88	<0.1	0.2	<0.1	5



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Project: CCJV
Report Date: November 03, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001505.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
55362	Rock	0.027	3	168	3.97	35	1.273	<20	4.45	<0.001	<0.01	0.2	<0.01	<0.1	0.09	19.1	<0.5	19
55363	Rock	0.054	8	57	2.47	67	0.317	<20	2.87	0.046	0.03	0.1	<0.01	<0.1	<0.05	13.1	<0.5	11
55364	Rock	0.032	3	168	3.44	15	0.007	<20	3.59	0.042	<0.01	<0.1	0.07	<0.1	0.30	30.1	<0.5	15
55365	Rock	0.030	2	21	1.98	215	0.003	<20	0.49	0.006	0.17	<0.1	0.24	<0.1	0.07	11.2	<0.5	2
55366	Rock	0.032	6	34	0.65	61	0.001	<20	1.58	0.004	0.21	<0.1	0.13	0.7	0.17	3.5	1.8	6
55367	Rock	0.013	3	3	0.04	36	<0.001	<20	0.25	0.003	0.12	<0.1	0.07	<0.1	<0.05	2.3	<0.5	<1
55368	Rock	0.056	17	6	3.37	64	0.001	<20	0.31	0.008	0.19	<0.1	0.07	<0.1	<0.05	3.7	<0.5	<1
54640	Rock	0.205	2	5	3.78	13	<0.001	<20	0.24	0.004	0.10	<0.1	0.77	0.2	0.08	2.9	0.7	<1
54641	Rock	0.018	<1	1	3.58	4	<0.001	<20	0.06	0.002	0.02	<0.1	0.03	<0.1	<0.05	0.7	<0.5	<1



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Project: CCJV

Report Date: November 03, 2011

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QUALITY CONTROL REPORT

WHI11001505.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS8	Standard			13.5	110.2	123.8	306	2.0	36.6	7.5	608	2.44	26.3	110.4	6.7	70	2.3	5.1	7.1	40	0.72
STD DS8	Standard			12.9	108.3	129.3	313	1.8	39.1	7.5	631	2.53	25.7	91.6	7.5	72	2.3	5.0	6.4	44	0.74
STD OREAS45CA	Standard			0.9	514.3	20.1	65	0.3	256.8	90.8	947	14.92	4.1	37.8	7.0	15	<0.1	0.1	0.2	209	0.39
STD OREAS45CA	Standard			0.9	498.8	20.4	60	0.3	264.6	91.2	933	15.71	3.6	41.3	7.1	16	<0.1	0.2	0.2	214	0.44
STD OXC88	Standard		189																		
STD OXC88	Standard		201																		
STD OXH82	Standard		1306																		
STD OXH82	Standard		1378																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		2	<0.1	2.3	3.0	44	<0.1	2.1	4.0	570	1.95	0.6	<0.5	6.7	69	<0.1	<0.1	<0.1	37	0.54
G1	Prep Blank		7	<0.1	2.9	3.1	49	<0.1	3.1	4.2	594	2.00	<0.5	1.4	6.9	67	<0.1	<0.1	<0.1	38	0.49



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QUALITY CONTROL REPORT

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Reference Materials																			
STD DS8	Standard	0.078	15	115	0.62	305	0.115	<20	0.97	0.102	0.43	2.4	0.18	5.5	0.16	2.0	5.2	4	5.0
STD DS8	Standard	0.083	17	114	0.63	295	0.117	<20	0.96	0.092	0.42	2.5	0.20	5.2	0.17	2.1	5.3	5	5.1
STD OREAS45CA	Standard	0.039	16	660	0.14	164	0.142	<20	3.75	0.008	0.07	<0.1	0.02	<0.1	<0.05	37.1	<0.5	18	<0.2
STD OREAS45CA	Standard	0.040	17	677	0.16	159	0.137	<20	3.85	0.004	0.08	<0.1	0.03	<0.1	<0.05	38.8	<0.5	18	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5.0
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.078	19	3	0.52	159	0.131	<20	1.04	0.127	0.52	0.1	<0.01	0.3	<0.05	2.0	<0.5	5	<0.2
G1	Prep Blank	0.079	16	6	0.54	179	0.135	<20	1.04	0.122	0.53	<0.1	<0.01	0.3	<0.05	1.9	<0.5	5	<0.2

