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094532

ASSESSMENT REPORT

describing

GEOLOGY, MINERALIZATION AND GEOCHEMISTRY

at the

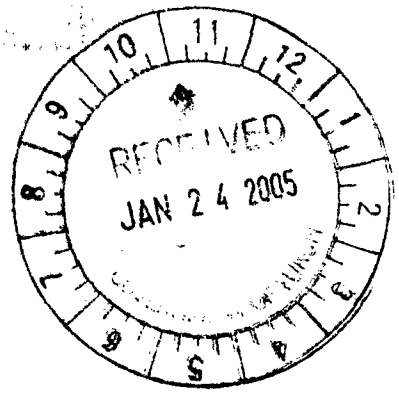
GLITTER PROPERTY

Glitter 1- 84 YB93898 - YB93981

NTS 105G/8
Latitude 61°20'N Longitude 130°19'W

in the

Watson Lake Mining District
Yukon Territory



prepared by

Archer, Cathro & Associates (1981) Limited

for

TRUE NORTH GEMS INC.

by

William A. Wengzynowski, P.Eng.
January 2005

Costs associated with this report have been approved in the amount of $ 39,900.00 for assessment credit under Certificate of Work No. 925712.

Mining Recorder
Watson Lake Mining District

TABLE OF CONTENTS

	PAGE
SUMMARY AND RECOMMENDATIONS	1
INTRODUCTION	2
PROPERTY, LOCATION AND CLAIM DATA	2
ACCESS AND GEOMORPHOLOGY	2
PROPERTY HISTORY	3
GEOLOGICAL SETTING	3
Regional Geology	3
Property Geology	4
DEPOSIT TYPES	4
2004 EXPLORATION PROGRAM	5
Mineralization	6
Geochemistry	6
INTERPRETATION AND CONCLUSIONS	7
REFERENCES	9

APPENDICES

I AUTHOR'S STATEMENT OF QUALIFICATIONS

II CERTIFICATES OF ANALYSIS

YUKON ENERGY MINES
& RESOURCES LTD
PO BOX
WHITEHORSE YUKON

LIST OF FIGURES

NO.	DESCRIPTION	FOLLOWING PAGE
1.	Property Location	2
2.	Claim Location	2
3.	Regional Setting	3
4.	Stratigraphy	4
5.	Regional Geology	4
6.	Property Geology	in pocket
7.	Emerald Formation Model	5
8.	Talus Zone	6
9.	Sample Location	in pocket
10.	Be Geochemistry	in pocket
11.	Cr Geochemistry	in pocket
12.	Sn Geochemistry	in pocket
13.	W Geochemistry	in pocket

SUMMARY AND RECOMMENDATIONS

The Glitter property is an emerald exploration target. It consists of 84 mineral claims located 33 km south of the Robert Campbell Highway in southeastern Yukon. The claims are staked under the Yukon Quartz Mining Act and cover approximately 1750 hectares. The Glitter property is owned by Glacier Gems Inc. and is under option to True North Gems Inc., which can earn a 100% interest.

No emeralds have been discovered on the Glitter property but they do occur at the Tsa da Glisza (formerly Regal Ridge) prospect, 15 km to the southwest. Emeralds are a gem variety of beryl with characteristic deep green colouration caused by chromium impurities. Exploration conducted at the Glitter property is based on a published exploration model that incorporates features known to occur at Tsa da Glisza. This model for emerald formation involves beryllium rich, hydrothermal fluids migrating upward and outward from a granitic intrusion to produce veins in chromium rich wallrocks of mafic and ultramafic composition. Alteration of the wallrocks by the fluids brings the two key geochemical components together, thus permitting crystallization of emeralds in open spaces along vein fissures.

The Glitter property is largely underlain by felsic Devonian metasedimentary and metavolcanic strata that have been intruded by a Cretaceous two-mica granite stock. The Devonian stratigraphy includes units DK, DF and Dq of the Grass Lakes Succession. Felsic to intermediate metavolcanic and metasedimentary rocks are dominant while only very localized windows of the mafic chlorite schists of the Fire Lake unit DF are exposed. Intrusive rocks comprise two-mica granite that outcrops in the eastern and northwestern parts of the property plus peripheral pegmatite to aplite sills and dykes and quartz veins. Other intrusive rocks include Grass Lakes Augen Orthogneiss which is interfingered with the stratigraphy of DK. Two isolated exposures of serpentinized ultramafic rock were also documented.

Soil geochemical surveys conducted in 2004 identified two areas in the western and north central portion of the claim block with elevated beryllium values to a maximum of 11.85 and 14.9 ppm respectively. Beryllium anomalies appear to be elevated in areas containing tourmaline bearing quartz veining, and coarse pegmatite sills and dykes containing large books of silver mica. These anomalies are generally associated with felsic to intermediate stratigraphy which unfortunately contains low chromium values. There are two areas of anomalous chromium response within the western grid and both coincide with narrow chlorite schist lenses of unit DF. The westernmost anomaly occurs within and beneath a narrow lens of competent mafic metavolcanic strata. This locale yielded chromium values up to 606 ppm.

The geological, mineralogical and geochemical characteristics of the Glitter property are only mildly prospective for emerald formation. No additional work is recommended at this time.

INTRODUCTION

The Glitter property is located in the Finlayson Lake District of southeastern Yukon Territory. It consists of 84 mineral claims located 33 km south of the Robert Campbell Highway in southeastern Yukon. The claims are owned by Glacier Gems Inc. and are under option to True North Gems Inc. This report describes the results of the 2004 exploration program and compares them to results from other properties in southeastern Yukon that are also being explored for emeralds.

Work at the Glitter property was conducted by a four person crew using helicopter support from June 27 to July 6. It consisted of geological mapping, prospecting, soil geochemical sampling and claim surveys. Several days of follow-up prospecting were conducted between August 21 and 28. Both phases of exploration were managed by Archer, Cathro & Associates (1981) Limited under the author's supervision. Appendix I contains the Author's Statement of Qualifications.

PROPERTY LOCATION AND CLAIM DATA

The Glitter property comprises a contiguous block of 84 mineral claims located in southeastern Yukon at latitude 61°20' north and longitude 130°19' west on NTS 105G/8 (Figure 1). Claim data are shown below while locations of individual claims are shown on Figure 2. The claims are registered with the Watson Lake Mining Recorder in the name of Glacier Gems.

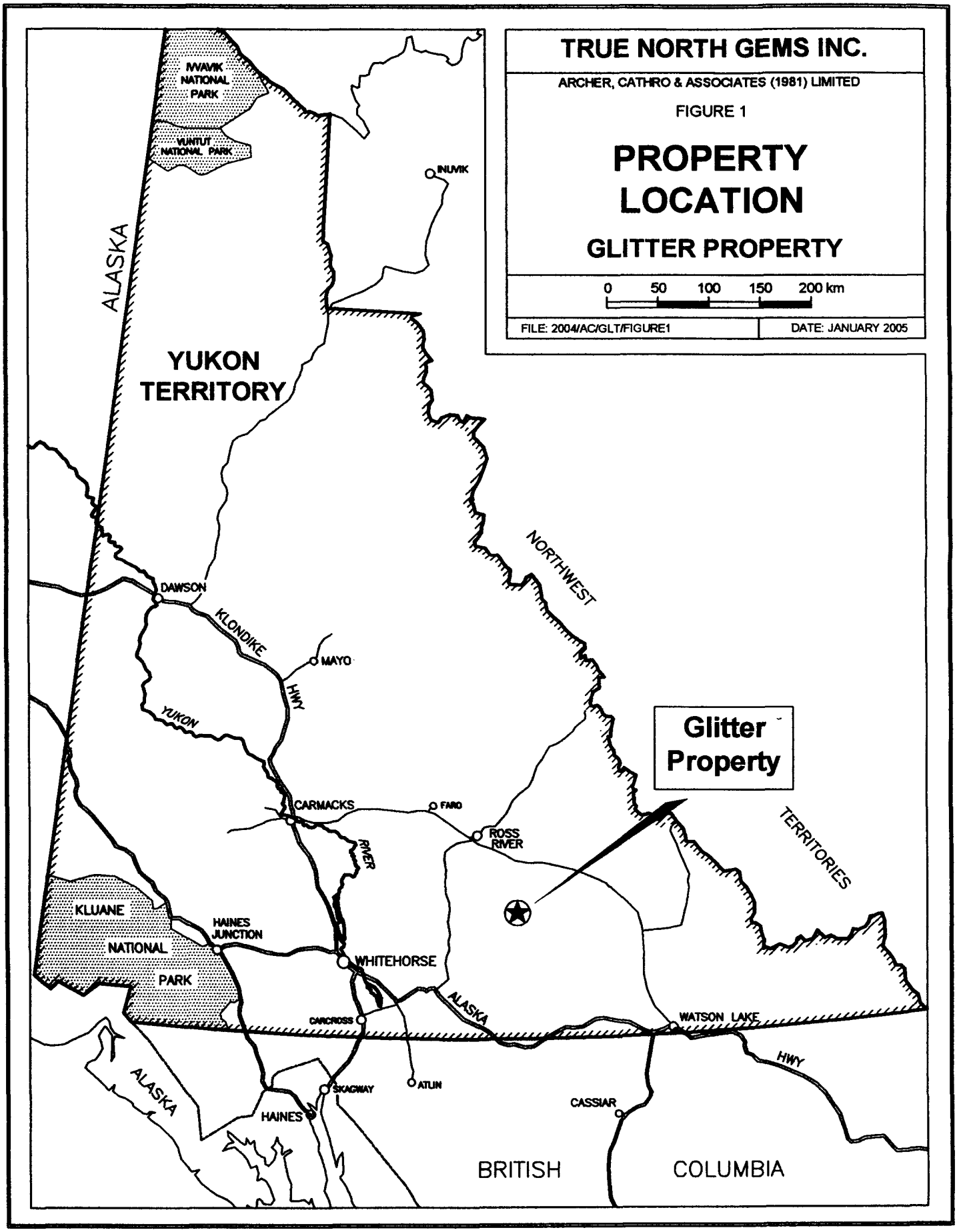
Claim Name	Grant Number	Expiry Date
Glitter 1-84	YB93898-YB93981	March 26, 2009

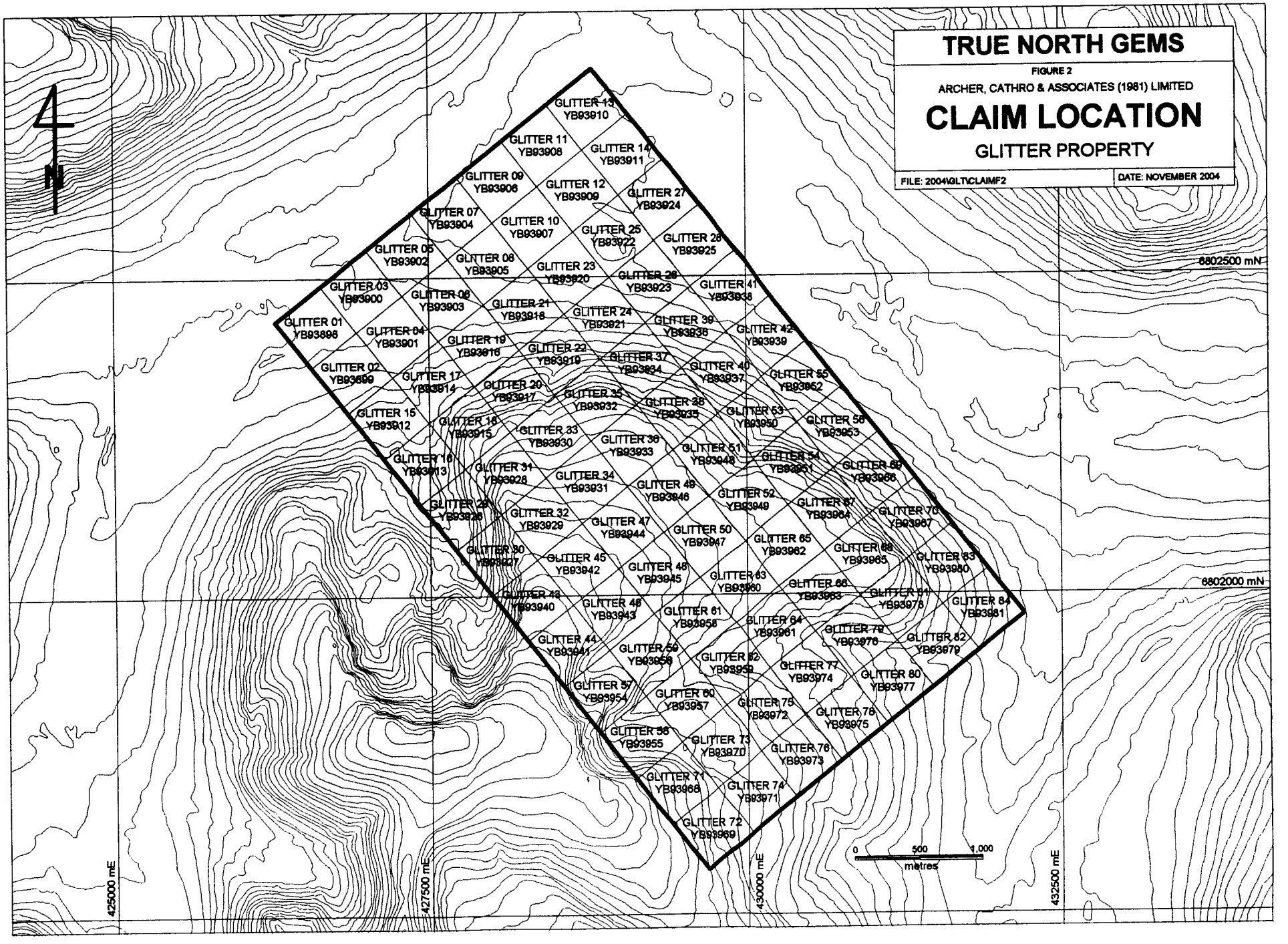
*Expiry date includes 2004 work filed for assessment credit but not yet accepted.

ACCESS AND GEOMORPHOLOGY

The Glitter property lies about 37 km south of the junction between the Robert Campbell Highway and the limited access Kudz ze Kayah Road. It is 175 km northwest of the community of Watson Lake, where the closest year round helicopter base is located. In summer 2004, most camp moves and supply runs were done with a helicopter from a temporary base at McEvoy Lake, 55 km north of the property. Equipment, supplies and personnel were usually driven from Whitehorse to Finlayson Lake by truck, a distance of 545 km. The closest lake suitable for float equipped fixed-wing aircraft is Wolverine Lake about 15 km north of the property. The nearest airstrip is on the Tsa da Glisza property located 15 km to the southwest.

The Glitter property lies within the Pelly Mountains in the headwaters of the Liard River. Elevations on the property range between 1280 and 1820 m. Topography is relatively subdued. The property occupies a broad northeast facing alpine area with gentle to moderate hillsides (typically 15 to 30°). Ice sheets covered the entire Pelly Mountain area during the Pleistocene and alpine glacial features such as cirques and tarn lakes are common. The property is mostly above tree line. Vegetation is limited to scattered willow and buckbrush at lower elevations giving way to grass and lichen covered rock at higher elevations


TRUE NORTH GEMS INC.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 1
PROPERTY LOCATION
GLITTER PROPERTY
0 50 100 150 200 km
FILE: 2004/AC/GLT/FIGURE1
DATE: JANUARY 2005
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
NORTHWEST
DAWSON
KLONDIKE
HWY
MAYO
YUKON
Glitter Property
CARMACKS
FARO
ROSS RIVER
RIVER
TERRITORIES
KLUANE NATIONAL PARK
HAINES JUNCTION
WHITEHORSE
ALASKA
CANCROSS
WATSON LAKE
HWY
ALASKA
SKAGWAY
ATLIN
HAINES
CASSIAR
BRITISH COLUMBIA


TRUE NORTH GEMS
FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CLAIM LOCATION
GLITTER PROPERTY
FILE: 2004\GLT\CLAIMF2
DATE: NOVEMBER 2004
N
6802500 mN
6802000 mN
425000 mE
427500 mE
430000 mE
432500 mE
0
500
1,000
metres
GLITTER 01 YB93898
GLITTER 02 YB93899
GLITTER 03 YB93900
GLITTER 04 YB93901
GLITTER 05 YB93902
GLITTER 06 YB93903
GLITTER 07 YB93904
GLITTER 08 YB93905
GLITTER 09 YB93906
GLITTER 10 YB93907
GLITTER 11 YB93908
GLITTER 12 YB93909
GLITTER 13 YB93910
GLITTER 14 YB93911
GLITTER 15 YB93912
GLITTER 16 YB93913
GLITTER 17 YB93914
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GLITTER 19 YB93916
GLITTER 20 YB93917
GLITTER 21 YB93918
GLITTER 22 YB93919
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GLITTER 25 YB93922
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GLITTER 51 YB93948
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GLITTER 77 YB93974
GLITTER 78 YB93975
GLITTER 79 YB93976
GLITTER 80 YB93977
GLITTER 81 YB93978
GLITTER 82 YB93979
GLITTER 83 YB93980
GLITTER 84 YB93981

Creeks draining the claims provide ample water for camp purposes and there are good campsite locations.

The climate in the Pelly Mountains is characterized by very cold, long winters, truncated fall and spring seasons and short, cool and often wet summers. The normal operating season for mineral exploration is from late May through early October.

PROPERTY HISTORY

The Finlayson Lake District has seen sporadic exploration since the 1960s for a number of deposit types, notably volcanogenic massive sulphides (VMS), tungsten skarns and asbestos. Much of the work was reconnaissance in nature and was conducted as part of wide ranging regional scale programs. The most recent and most intensive exploration began in 1994 following discovery of the Kudz ze Kayah VMS deposit. This discovery resulted in a staking rush that enveloped much of the district. Follow up exploration led to the discovery of additional VMS deposits (Wolverine, Ice, GP4F and Fyre Lake).

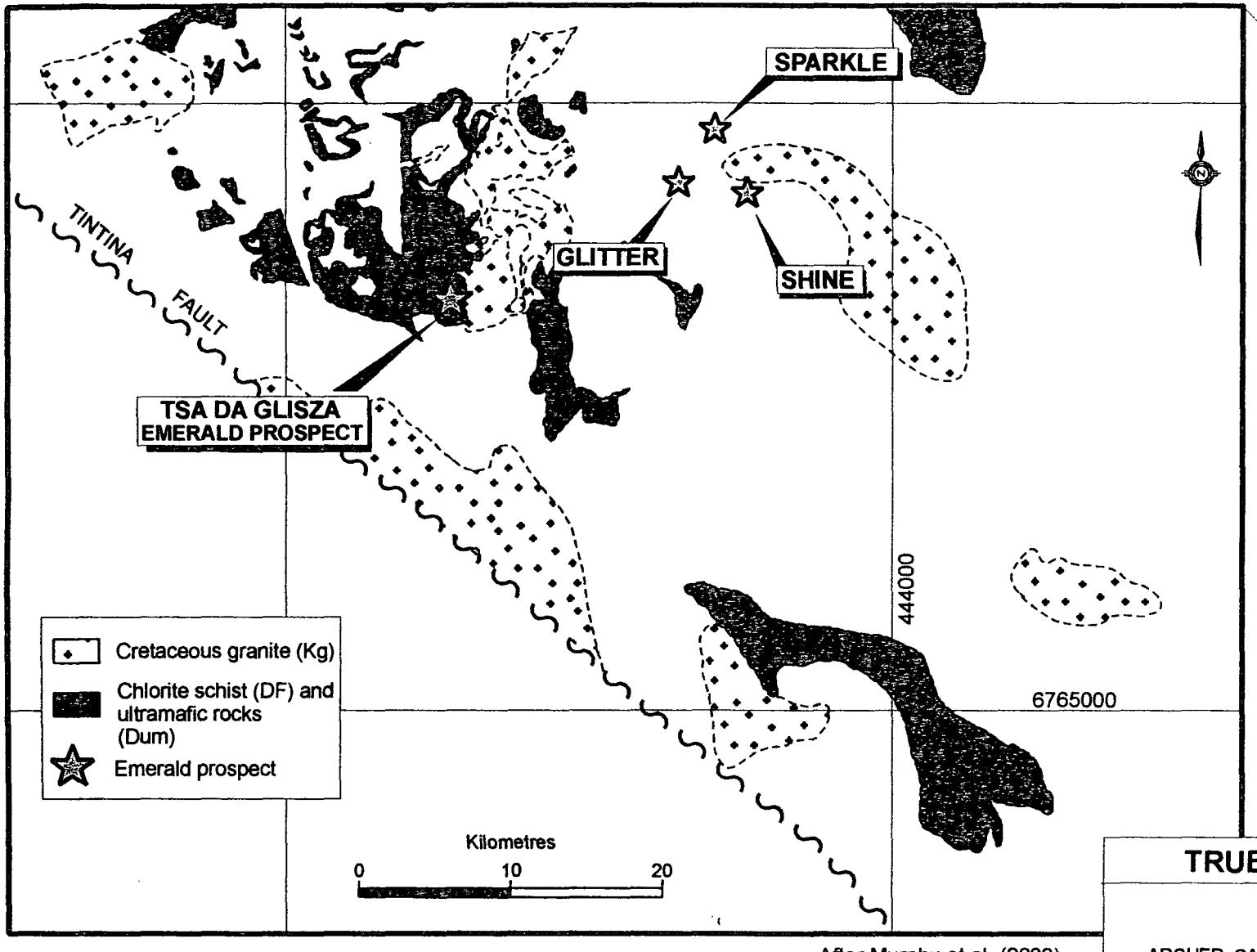
The emerald potential of the district was first recognized in August 1998 when the author discovered an occurrence at what is now the Tsa da Glisza prospect. The discovery was made on behalf of Expatriate Resources Ltd. while exploring for VMS type, base metal mineralization. The first emeralds were found by prospecting while following up anomalous copper, tungsten, gold and beryllium values obtained from contour controlled soil sampling. Expatriate performed focussed emerald exploration at Tsa da Glisza in 1999 and identified a number of emerald showings in outcrop and float over a 950 by 350 m area. In 2000 True North purchased the Tsa da Glisza property from Expatriate and has since continued to define the emerald prospect through geological mapping, prospecting, soil geochemistry, diamond drilling, trenching, bulk sampling and underground development.

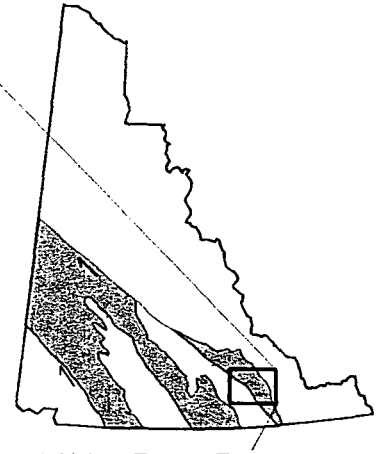
There are no recorded mineral occurrences on the Glitter property. The nearest and the most relevant MINFILE occurrences are the Net VMS prospects 105G121 located 3 and 5 km to the southwest within the same stratigraphic section. Exploration at these occurrences has been largely reconnaissance scale and has included geological mapping, prospecting plus soil and stream geochemical surveys (Deklerk, 2002).

GEOLOGICAL SETTING

Regional Geology

The Glitter property lies within the Yukon-Tanana Terrane, 27 km northeast of the Tintina Fault (Figure 3). This regional scale, transcurrent fault extends across Yukon and into Alaska and resulted in approximately 420 to 460 km of dextral offset in Early Tertiary times (Mortensen, et al, 2000). The Yukon-Tanana Terrane is composed of complexly deformed, greenschist to lower amphibolite facies metamorphic rocks of Paleozoic age (Tempelman-Kluit, 1977). The main components are Pre-Late Devonian metaclastic and carbonate rocks, and Late Devonian to Mississippian metavolcanic, metasedimentary and metaplutonic rocks. The latter package includes bimodal volcanic suites, serpentinized ultramafic bodies thought to be sills, and granite and quartz monzonite stocks of the





After Murphy et al. (2003)

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL SETTING

GLITTER PROPERTY

FILE: .../2005/GLTR/F_3-REGIONAL.cdr	DATE: JANUARY 2005

Simpson Range Plutonic Suite. Figure 4 is a schematic stratigraphic column showing the relationships between the main Paleozoic units and their approximate ages. Figure 5 illustrates the regional geology in the vicinity of the claim block as compiled by Murphy and Colpron in 2001.

Rocks of the Yukon-Tanana Terrane represent an island arc assemblage that was deformed and imbricated during accretion to the North American craton during the Late Paleozoic (Mortensen, 1992). A second stage of deformation occurred in the Early Cretaceous prior to emplacement of peraluminuous granitic intrusions belonging to the approximately 112 Ma Anvil Plutonic Suite (Mortensen, 1999).

Property Geology

The Glitter property is primarily underlain by competent felsic to intermediate metavolcanic and metasedimentary rocks of the Grass Lakes Succession (Figure 6). These rocks contain well developed foliation which generally trends northwest and dips gently to moderately to the northeast between 8 and 35°.

Rocks of unit DK comprise the uppermost part of the stratigraphic section and consist of competent cliff-forming quartzite, muscovite-biotite-quartz±feldspar augen schist and less felsic to intermediate muscovite-biotite schist.

Unit DF consists of massive, finely laminated chlorite plagioclase schist. It is exposed as thin lenses in the western part of the property.

Rocks of unit Dq occupy a large area in the lower regions of the property and they comprise quartzite, biotite-plagioclase schist metapelitic schist and phyllite. These units are largely interfingered and form the majority of the moderate to gently dipping slopes within the claim block.

The largest accumulation of intrusive rocks occurs in the eastern and northwestern portion of the property where biotite-muscovite granite stocks were previously mapped by Murphy, et al., (2003). They consist of weakly to non-foliated, medium to fine grained biotite-muscovite granite. Fine grained muscovite leucogranite occurs as dykes up to 50 m wide near the margins of the pluton. Structures peripheral to the pluton consist mostly of sheeted pegmatite and aplite sills including minor sheeted quartz veins. The pegmatites range from 30 cm to 3 m true thickness and contain abundant feldspar and silver white mica plus trace amounts of stubby black tourmaline and red garnet. Quartz veins are less common but where observed, they often contain tourmaline either along the selvages or within the vein. Moderate concentrations of quartz tourmaline veining and tourmaline bloom are observed throughout the Talus Zone in the north central part of the property. Vein material is generally less than 25 cm wide. Two small isolated exposures of brown weathering serpentinized ultramafic rocks were documented in the southeastern and northwestern parts of the property.

DEPOSIT TYPES

The Glitter property is located about 15 km northeast of the Tsa da Glisza emerald prospect. At Tsa da Glisza, chromium rich emerald crystals occur within quartz veins and in layers and pockets within altered selvages developed along the margins of the veins. At least 13 mineralized veins occur in a

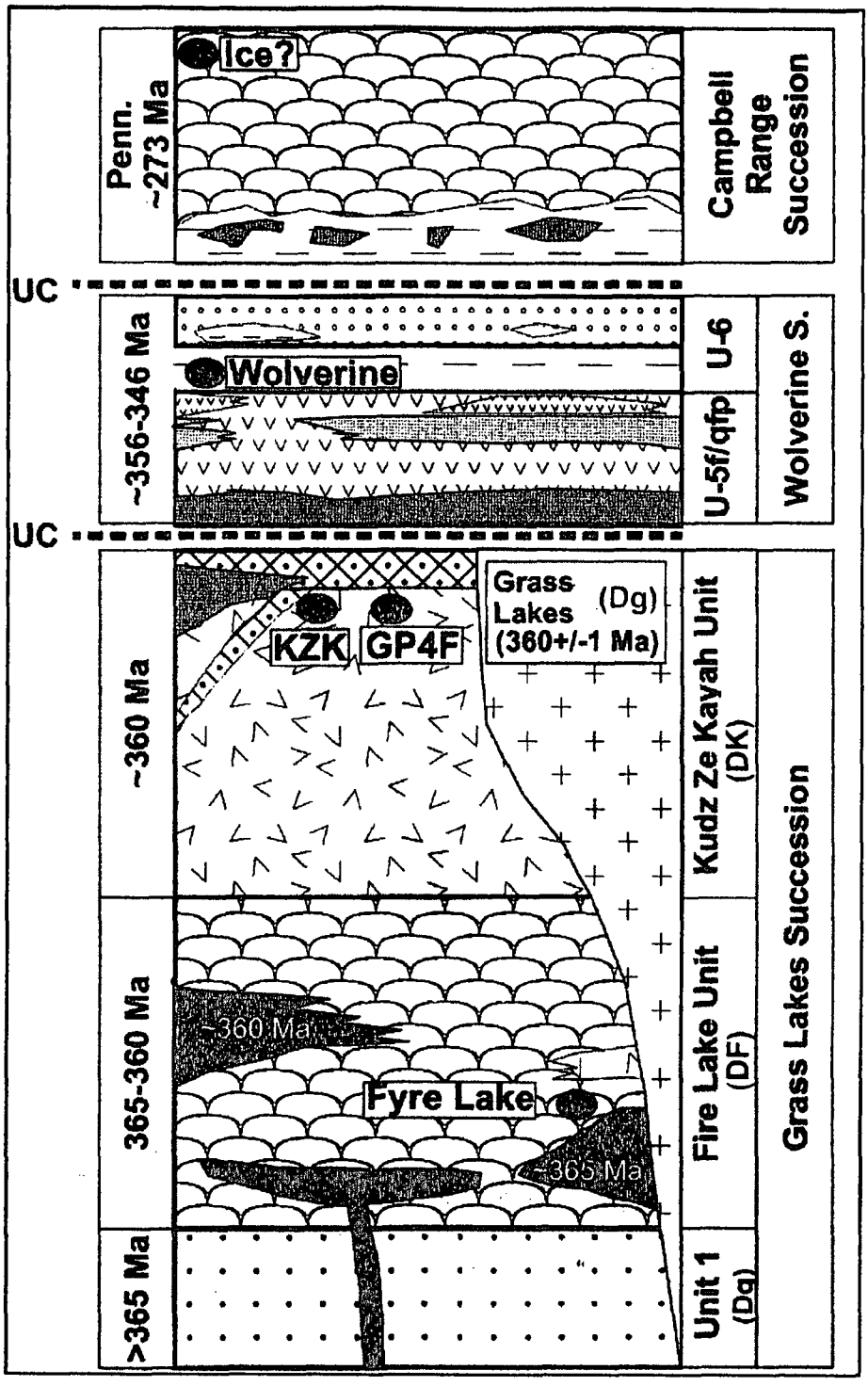


Fig 4. Schematic section of the Finlayson Lake District with the Paleozoic stratigraphy and location of VMS deposits. Dark intrusive rocks within the Fire Lake Unit are ultramafic unit Dum. Cretaceous granitic intrusions (Kg) are not shown. Modified after Murphy and Piercey (1999, 2000) and Piercey, et al, (2002)

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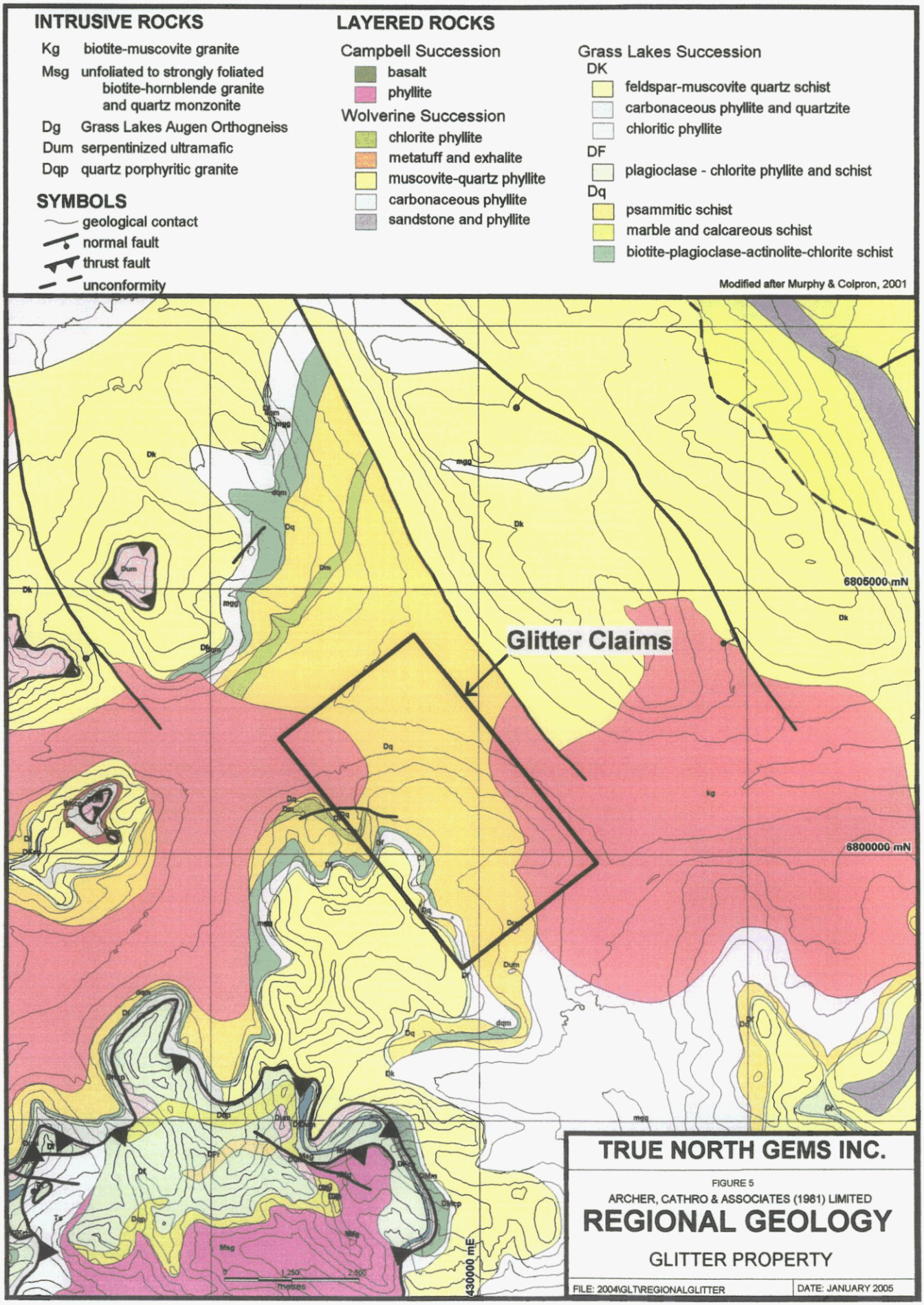
FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

STRATIGRAPHY

GLITTER PROPERTY

FILE: .../2005/GLTR/F_4-STRAT.cdr	DATE: JANUARY 2005


INTRUSIVE ROCKS
Kg biotite-muscovite granite
Msg unfoliated to strongly foliated biotite-hornblende granite and quartz monzonite
Dg Grass Lakes Augen Orthogneiss
Dum serpentinized ultramafic
Dqp quartz porphyritic granite
SYMBOLS
geological contact
normal fault
thrust fault
unconformity
LAYERED ROCKS
Campbell Succession
basalt
phyllite
Wolverine Succession
chlorite phyllite
metatuff and exhalite
muscovite-quartz phyllite
carbonaceous phyllite
sandstone and phyllite
Grass Lakes Succession
DK
feldspar-muscovite quartz schist
carbonaceous phyllite and quartzite
chloritic phyllite
DF
plagioclase - chlorite phyllite and schist
Dq
psammitic schist
marble and calcareous schist
biotite-plagioclase-actinolite-chlorite schist
Modified after Murphy & Colpron, 2001
Glitter Claims
6805000 mN
6800000 mN
430000 mE
0
1,250
2,500
Metres
TRUE NORTH GEMS INC.
FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
GLITTER PROPERTY
FILE: 2004\GLT\REGIONALGLITTER
DATE: JANUARY 2005

2 sq km area on either side of a prominent ridge. The mineralized veins cut chlorite schist of the Fire Lake mafic metavolcanic unit (DF) near the contact with a granitic stock of the Anvil Plutonic Suite (Kg). The veins typically range between 0.2 and 1 m in width. The emerald crystals are up to 4 cm long and are typically surrounded by fine dark tourmaline with minor scheelite and chalcopyrite. Emerald is developed adjacent to the veins where they cut mica rich layers within the chlorite schist, and occasionally in the veins themselves (Groat, et al., 2002).

During summer 2002, True North conducted bulk sampling at the prospect. On December 12, 2002, it reported favourable results from seven areas. The most promising values were from the Southwest Zone where a 6.36 tonne bulk sample yielded 11.59 kg of gem concentrate, of which 121.42 g were gem quality and 587.33 g near gem quality. A total of 284, +4.5 mm gemstones were extracted from the concentrate, at an average of 0.33 g (1.75 carats) per stone (Smith, 2002).

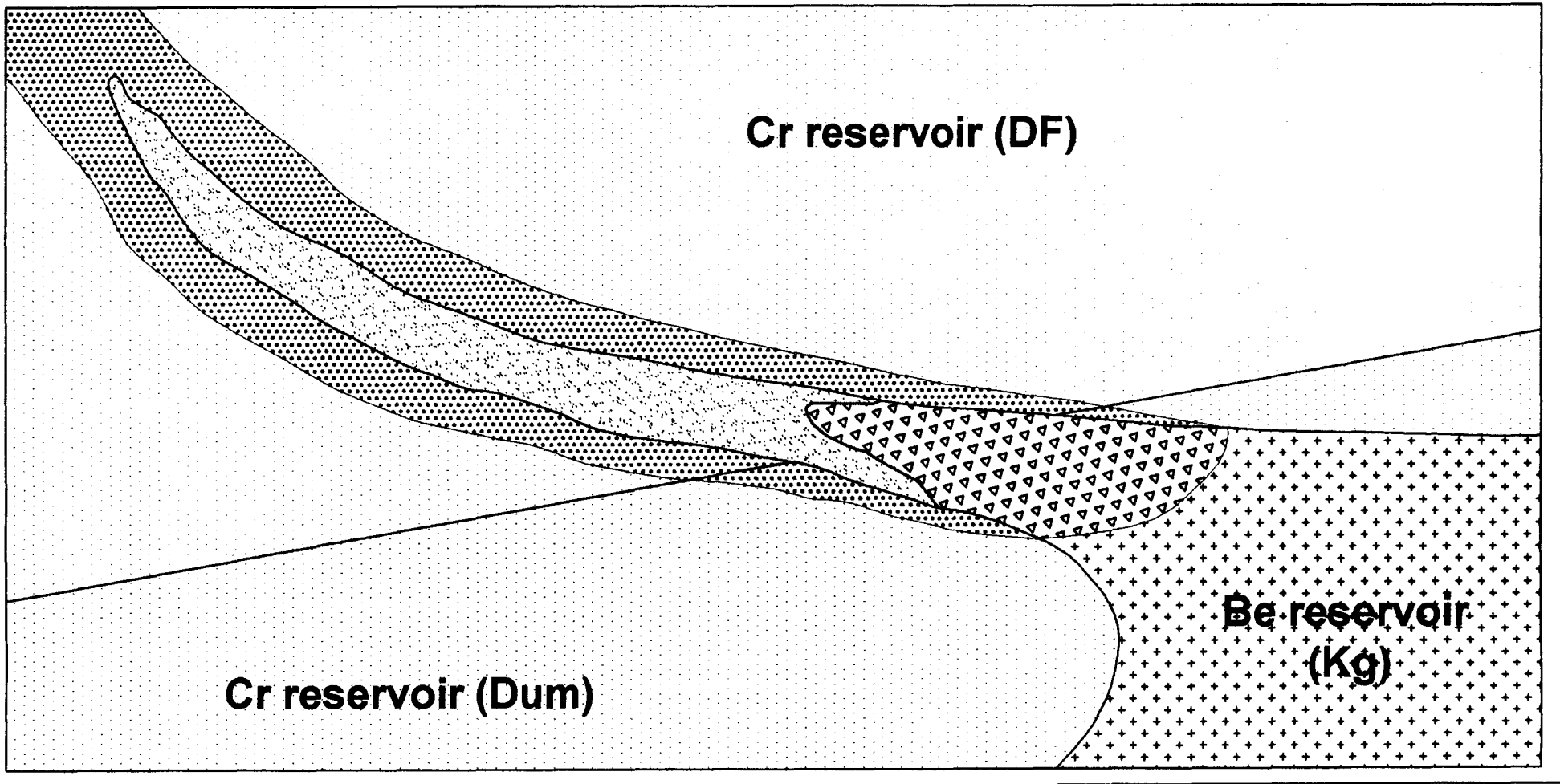
Additional surface and underground mini-bulk sampling were continued in 2003 and 2004 from which a 2,533 tonne sample yielded 38.8 kg of rough emerald including 6.25 g/t that was gem and near gem quality (Rohtert, 2004). More importantly, however, was a new emerald discovery referred to as the Shadow Zone approximately one kilometre southwest of Regal Ridge.

Emerald deposits are relatively rare, with current or past production from mines in Columbia, Pakistan, Afghanistan, Russia, Zambia, Egypt and Brazil. They are subdivided into two main types. Most emerald deposits belong to Type I (Schwarz and Giuliani, 2001) which are related to granitic intrusions. The Columbian occurrences are unique and comprise Type II. There, the emeralds are associated with hydrothermal activity in areas where fluid circulation is controlled by tectonic features such as thrust faults and shear zones. Tsa da Glisza is thought to be a Type I deposit based upon its geological setting.

Figure 7 illustrates the basic model for emerald formation at Tsa da Glisza. Fundamentally, emeralds are the gem variety of green beryl. The green colour is caused by chromium or less commonly, vanadium impurities. The source of the beryllium needed to form the beryl at Tsa da Glisza is thought to be a nearby unit Kg granitic stock. Fluids derived from that beryllium reservoir presumably migrated outward and upward through the adjoining unit Dum ultramafic rocks and unit DF mafic metavolcanic schist, which are chromium reservoirs. Interaction between the beryllium enriched vein fluids and chromium bearing wallrocks resulted in formation of emeralds along the margin of the veins (Murphy, et al., 2003).

2004 EXPLORATION PROGRAM

The 2004 work program at the Glitter property was conducted in two phases. The first phase was done by a four person crew from June 27 to July 6. The second phase was performed by a four person crew from a tent camp on the property between August 21 and 27. Work was focussed on two target areas identified from previous geochemical surveys conducted by True North. The 2004 program included geological mapping, prospecting and grid soil geochemical surveys. Follow up work consisted of saturation prospecting in areas of anomalous beryllium, chromium and tungsten response. Soil and rock samples were shipped to ALS Chemex in North Vancouver. Soil samples were dried and screened to –80 mesh while rock samples were dried, fine crushed to –2 mm and pulverized to 75 micron. Pulps were then processed using HF, HNO_3 and $HClO_4$ digestion followed by an HCl leach



Be reservoir (Kg)

Cr reservoir (DF)

Aplite/pegmatite

Emerald bearing scheelite-tourmaline alteration selvage

Cr reservoir (Dum)

Quartz-tourmaline-beryl vein

After Murphy et al, 2003

Be = Beryllium Cr = Chromium

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FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

EMERALD FORMATION MODEL

GLITTER PROPERTY

FILE: 2005/GLTR/F_7-MODEL.DWG | DATE: JANUARY 2006

and a combination of ICP-mass spectrometry and ICP atomic emission spectroscopy analyses. This process is described as a near total digestion. The analyses were for a total of 47 elements. Certificates of Analysis are contained in Appendix II.

Mineralization

Detailed mapping and prospecting identified numerous pegmatite and aplite sills throughout the claim block but mostly within the recessive biotite-plagioclase schist and competent metapelite schists of unit Dq. The sills often contain quartz segregations near the selvages and stubby to acicular black tourmaline crystals were documented at numerous locales.

Rusty weathering mica and patchy tourmaline bearing, hydrothermal alteration was documented at a number of locations and appears to be largely associated with quartz tourmaline lenses and/or coarse silver mica bearing pegmatites. The most extensive area of alteration observed on the property is referred to as the Talus Zone (Figure 8) which covers an area roughly 1500 m along the northern slope of the property and varies between 100 and 400 m width. Quartz tourmaline vein talus and massive tourmaline bloom are concentrated at several locales within the Talus Zone and are often associated with large slabs of rusty weathering tourmalinized schist. Saturation prospecting in these areas identified minor amounts of pale green apatite.

Two rock samples were collected from the Talus Zone and submitted for analysis. A piece of massive tourmaline bloom with abundant phlogopite mica returned subdued values for all emerald indicator elements while a specimen of coarse silver mica bearing quartz pegmatite yielded 11.8 ppm beryllium, and 54.2 ppm tin. Moderately abundant quartz tourmaline vein material was also identified in the eastern part of the property in an area referred to as the Bush Zone. Only limited prospecting was completed due to the extensive vegetation cover.

Geochemistry

Soil samples were collected from two grids established in the western and northern parts of the property. Sampling was conducted at 50 m intervals along lines spaced 50 to 100 m apart. In the eastern part of the northern grid, samples were collected at 25 m intervals. All sample sites are marked with 0.5 m wooden lath bearing an aluminum tag inscribed with a sample number and grid co-ordinate. The samples were taken from B or C Horizon soil, usually at depths between 15 and 25 cm below surface. Sample locations and geochemical results are illustrated on Figures 9 to 13. The elements beryllium (Be), chromium (Cr), tin (Sn) and tungsten (W) were the primary considerations for defining areas of geochemical interest. The thresholds for assessing anomalies using the four-acid near total digestion method were as follows:

Anomalous

Be	6 ppm
Cr	200 ppm
Sn	10 ppm
W	8 ppm

N

Kg
concentrations of blocky pegmatite sills
trace of individual pegmatite sills and dykes
Dq
competent metapelitic schist and quartzite
recessive biotite-plagioclase schist and phyllite
tourmaline in host
tourmaline in float
quartz tourmaline float
foliation orientation
orientation of isoclinal fold

Abundant rusty weathering hydrothermally altered schist and quartz tourmaline vein talus

6801000mN

429000mE

430000mE

0 125 250
metres

TRUE NORTH GEMS INC.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TALUS ZONE

GLITTER PROPERTY

FILE: 2004\GLT\TALUSZONE | DATE: NOVEMBER 2004

The northern grid covers the portion of the property containing the Talus Zone. Anomalous beryllium response occurs mostly as random spot highs throughout the central and western parts of the grid while a broad cluster of elevated values are outlined in the eastern portion of the grid. Beryllium values up to 14.9 ppm were obtained from this area in close proximity to the highest tungsten response of 71.5 ppm. Tungsten and tin values are sporadic across most of the grid and are generally not directly coincident with beryllium anomalies. Only two samples sites yielded chromium values >200 ppm to a maximum of 375 ppm. Detailed prospecting in the vicinity of the anomalous areas for beryllium and tungsten documented irregular clusters of pegmatite, quartz tourmaline vein talus and massive tourmaline bloom.

The western grid was established over a number of soil geochemical anomalies identified from the 2003 exploration program. In 2004 anomalous beryllium response, to maximum of 11.85 ppm, was identified within an intermittent linear band up to 150 m wide along an over-steepened, west facing slope for a strike length of roughly 1000 m. Tungsten and tin response was weakly elevated in parts of this linear band but generally exhibits poor correlation. Prospecting this area discovered only minor rusty, mica rich, hydrothermally altered schist and trace amounts of quartz tourmaline vein talus.

Strong chromium response was obtained from lenses of unit DF chlorite schist exposed in the northwestern part of the grid. The highest value of 606 ppm was obtained from a sample taken directly below a schist outcrop. Geochemical response for all emerald indicator elements was subdued across the Bush Zone.

INTERPRETATION AND CONCLUSIONS

Some of the geological factors required for emerald development, according to the Tsa Da Glisza model, are satisfied at the Glitter property. These include quartz tourmaline veins and associated recessively rusty weathering tourmalinized schist, which is indicative of at least localized hydrothermal alteration cells within reactive sections of the felsic to intermediate unit. Beryllium geochemical values are also believed to be sufficiently elevated to promote beryl formation.

There is one factor however, that seriously impedes the potential for emerald mineralization on the Glitter property. This is the low abundance of the Fire Lake mafic metavolcanic stratigraphy which hosts the Tsa Da Glisza emerald deposit. This regional stratigraphic sequence is thickest in the vicinity of Fire Lake and wanes significantly northwards below and towards the Kudz Ze Kayah and Wolverine Lake VMS deposits.

The Glitter property is predominantly underlain by felsic metavolcanics of unit DK and felsic to intermediate metasedimentary rocks of unit Dq. Although a thin, isolated section of mafic metavolcanics has been mapped on the property there is only a minimal amount of quartz tourmaline veining in the area and subsequently very little hydrothermal alteration. Tourmaline bearing quartz vein and pegmatite talus examined in the vicinity of this unit did not contain beryl.

The mobility of beryllium in the intrusives observed on the property is questionable as silver mica books are abundant in the areas of anomalous beryllium response and may be acting as a trap limiting interaction with the adjacent wall rocks and thus the formation of beryl. A sample of coarse mica rich

pegmatite yielded beryllium values akin to the highest obtained from the soil geochemical surveys on the property.

No further work is recommended on the Glitter property at this time. Although beryl could be present, it would likely be in low quantities and possess a white to pale colouration.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

William A. Wengzynowski, P.Eng.

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Garibaldi Highlands, British Columbia, do hereby certify that:

1. I am President of Archer, Cathro & Associates (1981) Limited.

2. I graduated from the University of British Columbia in 1993 with a B.A.Sc in Geological Engineering, Option l, mineral and fuel exploration.

3. I registered as a Professional Engineer in the Province of British Columbia on December 12, 1998 (Licence Number 24119).

4. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory, Northwest Territories, Northern British Columbia and Mexico.

5. I have personally participated in and supervised the fieldwork reported herein.

B. Wengzynowski

William A. Wengzynowski, P. Eng.

APPENDIX II

CERTIFICATES OF ANALYSIS

ALS Chemex
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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE VA04042402

Project: Glitter

P.O. No.:

This report is for 195 Soil samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2004.

The following have access to data associated with this certificate:

AL ARCHER JOAN MARIACHER	ROB CARNE VANCOUVER OFFICE	DOUG EATON BILL WENGZYNOWSKI

SAMPLE PREPARATION

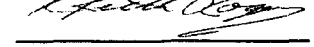
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

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

Signature: 

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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC-02252		0.14	0.1	7.31	2.3	780	2.58	0.47	1.68	0.26	43.9	7.5	30	3.44	21.4	2.09
CC-02253		0.24	1.36	8.32	21.3	660	8.89	2.23	1.8	0.36	60.4	14.7	144	32.3	47.9	3.79
CC-02254		0.26	0.4	7.71	3.7	790	6.44	1.08	1.88	0.32	78	20.3	156	24.3	54.1	4.54
CC-02255		0.32	0.14	7.84	8.5	700	5	1.09	2.19	0.44	33.6	25.8	209	23	30.1	5.28
CC-02256		0.36	0.26	8.14	5.6	1260	6.45	0.89	2.35	0.16	55.7	23.1	182	28.1	45.7	4.95
CC-02257		0.26	0.13	8.6	1.4	680	5.88	0.29	2.32	0.33	77.2	29.7	91	38.1	23.5	8.15
CC-02258		0.24	0.17	6.75	5.5	1300	3.21	0.51	0.75	0.26	46.1	12.9	100	24.9	16.2	5.04
CC-02259		0.32	0.1	7.64	5.1	2150	6.09	0.63	0.45	0.29	62.6	11.5	94	31.3	52.3	3.91
CC-02260		0.40	0.39	8.62	17.4	480	6.47	1.43	0.53	0.11	54.8	7.6	61	19.35	25.9	3.08
CC-02261		0.42	0.13	6.56	12.4	700	3.18	1.15	1.21	0.21	60.7	11.4	80	6.93	14.5	3.96
CC-02262		0.40	0.07	6.24	6	620	2.64	0.62	0.97	0.13	50.6	6.8	55	5.94	11.4	2.56
CC-02263		0.20	0.02	10.15	8.2	300	7.82	2.44	0.18	0.13	53.7	1.9	9	11.85	9.5	1.64
CC-02264		0.44	<0.01	8.69	4.9	570	4.57	0.68	0.44	0.05	92.8	5.5	40	10.75	8.5	2.26
CC-02265		0.34	0.12	7.31	14	610	4.59	1.1	0.61	0.18	75.1	12.4	62	12.15	21.6	3.02
CC-02266		0.24	0.16	5.91	12	710	3.34	2.4	0.69	0.15	61.6	21.9	61	13.1	15.2	3.77
CC-02267		0.32	0.03	7.68	12.6	710	3.52	1.04	0.84	0.1	128.5	11.3	96	8.06	12.4	3.16
CC-02268		0.30	0.74	7.27	8	670	3.42	0.75	0.8	0.14	115.5	12.6	63	16.25	24.1	3.69
CC-02269		0.32	<0.01	7.68	8.4	770	3.5	1.24	0.81	0.21	131	13.5	69	8.92	17.4	3.54
CC-02270		0.36	<0.01	7.64	10.6	610	3.32	0.62	1.16	0.13	96.5	12.4	69	8.41	8.9	4.79
CC-02271		0.14	0.05	7.27	2.5	830	1.27	0.14	1.67	0.21	35.4	5.8	6	1.58	15.7	1.7
CC-02272		0.10	0.14	2.28	1.7	300	0.9	0.26	0.84	1.16	32.5	3	23	3.07	7.2	0.89
CC-02273		0.42	<0.01	7.74	3.9	400	3.47	0.85	3.41	0.18	74.9	36.2	235	24.5	15.5	6.39
CC-02274		0.28	0.03	7.29	7	580	4.58	1.1	1.63	0.51	62.8	20.4	126	15.05	14	4.35
CC-02275		0.34	0.22	6.39	3.6	1400	3.35	1.01	1.57	0.28	55.1	12.5	104	9.13	16.6	2.98
CC-02276		0.38	0.14	7.76	6.3	1880	9.61	1.34	2.03	0.51	57.3	34	135	21.6	67.8	5.3
CC-02277		0.30	0.04	6.01	3	4810	4.61	1.24	0.36	0.1	98.7	4.3	60	8.52	19.7	1.58
CC-02278		0.26	<0.01	8.51	0.7	720	4.45	0.57	2.1	0.26	136.5	36.3	91	41.4	16.7	8.08
CC-02279		0.24	0.02	5.37	2.4	3280	2.61	0.43	0.63	0.3	74.6	7.1	66	10.55	24.8	2.59
CC-02280		0.34	<0.01	8.81	7.3	730	4.96	1.98	0.66	0.1	150.5	15.3	73	10.95	18.8	3.8
CC-02281		0.38	0.02	8.49	4.9	660	3.34	1.04	0.54	0.12	97.9	5	52	8.48	7.8	2.08
CC-02282		0.36	<0.01	7.82	1.6	1160	6.25	0.47	1.02	0.21	108	20.9	44	20.4	31.1	5.12
CC-02283		0.36	0.03	10.9	2.6	160	10.2	6.84	0.26	0.07	22.4	1.7	9	8.39	4.4	1.56
CC-02284		0.42	<0.01	9.57	4.7	320	5.05	0.96	0.24	0.08	38.1	2.6	16	9.74	4.7	1.81
CC-02285		0.32	<0.01	7.35	6.8	610	3.37	0.63	0.58	0.12	136.5	7	46	5.9	6.2	2.79
CC-02286		0.30	0.47	6.83	5.1	550	3.09	0.77	0.47	0.24	54.1	3.5	33	5.12	7.9	1.77
CC-02287		0.38	0.13	7.37	5	670	3.11	0.77	1.04	0.1	76.8	8.4	40	8.98	20	2.57
CC-02288		0.44	<0.01	8.08	12.1	650	3.27	0.97	0.66	0.15	75	6.2	55	7.47	9.3	2.58
CC-02289		0.42	<0.01	8.51	6.6	740	4.14	0.84	0.51	0.3	79.2	4.6	37	10.25	8.9	1.94
CC-02290		0.30	<0.01	8.07	7.5	850	3.9	0.98	0.79	0.22	141	15	73	7.81	17.2	3.71
CC-02291		0.32	<0.01	7.68	8	790	2.71	0.73	0.45	0.05	138.5	5.1	61	7.02	6.1	1.97

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
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CC-02252		19.7	0.23	3.3	0.031	2.06	24.2	28.1	0.74	394	1.78	2.43	9.1	13.3	700	14.1
CC-02253		23.4	0.36	1	0.065	2.1	52.5	124	1.69	745	1.64	0.6	13.3	57	1040	26.7
CC-02254		22.8	0.41	1.5	0.074	1.59	67.1	114.5	2.21	880	1.02	0.92	15.4	62.2	1520	27.5
CC-02255		19.5	0.23	0.9	0.06	1.39	15.2	100	3.06	900	1.04	0.76	15.6	96.1	1480	14
CC-02256		21.2	0.28	1.1	0.065	1.56	29.8	111	2.48	1295	1.22	0.74	14	91.3	1060	16.5
CC-02257		27.4	0.33	1.1	0.148	1.76	28.5	82	1.83	1225	1.86	1.66	32	32.8	2490	8.2
CC-02258		24.4	0.21	1.5	0.067	2.23	21.7	77.1	1.44	680	1.54	0.72	22	30.4	790	15.9
CC-02259		24.8	0.23	1.9	0.072	2.36	25.6	110	1.53	634	1.36	0.56	21.2	49.1	530	18.9
CC-02260		28.2	0.24	1.8	0.06	1.88	29.8	104.5	0.73	284	2.12	1.57	23.3	26.8	1260	16.4
CC-02261		21.9	0.25	1.9	0.069	1.6	27.7	37.1	1.09	533	1.78	1.65	24.3	29.7	1140	17.5
CC-02262		20.9	0.21	2.1	0.056	1.55	24.7	30.7	0.75	311	1.52	1.55	22.7	18.2	1620	15
CC-02263		29.5	0.23	1.6	0.063	4.31	25.2	41.6	0.26	170	0.92	0.32	26.5	3.3	810	43.2
CC-02264		31.2	0.3	1.4	0.061	3.28	45.2	116	0.62	230	1.5	1.01	27.9	16.1	520	21.3
CC-02265		23.3	0.28	1.5	0.057	2.13	43.7	72.5	0.71	1375	1.62	0.86	18.8	27.9	2130	28.6
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CC-02267		23.1	0.29	1.7	0.058	2	68.4	59.3	0.93	449	1.06	1.11	17.5	37.7	1580	19
CC-02268		22.3	0.33	1.4	0.06	1.79	68.5	78.8	0.96	601	1.82	0.88	14.5	29.6	1860	17.8
CC-02269		23	0.33	2.1	0.063	2.24	67.6	69.1	0.87	548	1.18	1.27	18	34.3	1140	25.7
CC-02270		27.1	0.27	1.2	0.08	2.05	47.8	51.8	1.06	492	1.3	1.45	24.2	25	440	20.2
CC-02271		17.9	0.16	3.8	0.016	2.24	19.6	21.9	0.52	374	1.64	2.69	5.9	3.8	460	9.4
CC-02272		9.09	0.14	0.7	0.024	0.71	16.2	8.8	0.25	444	1.17	0.51	9.3	7.5	840	6.1
CC-02273		24.6	0.28	1.1	0.086	2.09	29.9	105.5	3.76	910	1.64	1.07	26.7	126	1660	13.2
CC-02274		24.7	0.25	1.3	0.072	2.19	27.9	54.6	1.9	571	2.17	1.15	25.2	52.3	890	16.3
CC-02275		22.9	0.2	1.3	0.057	1.78	27.5	47	1.35	1105	1.9	1.22	19.6	34.9	1000	19.5
CC-02276		21.4	0.22	1.3	0.07	1.61	23.3	133	2.2	1905	1.44	1.07	17.8	84.2	1260	20.7
CC-02277		25.7	0.23	1.7	0.032	1.82	46.3	112.5	0.29	861	1.18	0.9	18.3	18	530	21
CC-02278		30.6	0.36	1	0.171	2.41	45.2	142	2.28	1700	1.97	0.98	35.4	32.1	3820	9.8
CC-02279		24.5	0.22	1.7	0.057	1.55	37.1	44.6	0.67	706	1.56	0.71	19.3	24.1	1240	20.9
CC-02280		26.9	0.35	1.3	0.07	2.94	76.8	93.1	0.93	493	0.87	1.14	21.7	40.7	780	27
CC-02281		29	0.26	2.3	0.063	2.5	49	53.2	0.5	245	1.51	1.29	25.1	14.4	650	21
CC-02282		28.8	0.35	1.2	0.124	2.56	65.7	141	1.96	970	0.52	0.36	37.7	26.5	3480	13.1
CC-02283		31.1	0.15	1.4	0.03	1.73	11	191.5	0.33	134	1.3	1.47	26.1	3.3	650	22.1
CC-02284		29.9	0.21	1.2	0.033	2.64	18.2	172	0.3	213	0.93	1.07	23.3	5.5	1080	23.7
CC-02285		24.3	0.33	1.8	0.071	2.55	69.1	51.9	0.54	295	1.6	1.41	25.9	18.2	830	25.9
CC-02286		22.5	0.22	2.2	0.07	2.31	26.8	23.3	0.31	172	1.12	1.23	20.1	9.8	1070	22.2
CC-02287		21.8	0.26	2	0.044	2.02	40.9	47.9	0.64	1465	1.53	1.2	12.5	16.4	2830	26.1
CC-02288		24.7	0.25	2.4	0.068	2.86	36.6	46.7	0.56	336	1.31	1.03	19.9	19	1040	28.3
CC-02289		30.1	0.26	2	0.07	2.62	42.3	126.5	0.39	243	1.19	1	23.8	12.9	640	21.9
CC-02290		23.1	0.33	1.5	0.057	2.5	71.9	73.8	0.93	610	1.11	1.24	17.3	37.3	1020	24.1
CC-02291		27.5	0.32	1.8	0.047	2.24	71	46.9	0.35	218	0.95	0.9	20	15.3	540	17.8

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC-02252		64.6	0.002	0.04	0.8	2	2.4	479	0.92	<0.05	7.4	0.245	0.32	3.1	61	0.9
CC-02253		190.5	<0.002	0.07	2.31	4	8.3	67.4	1.78	0.05	12	0.22	1.02	16	129	2.3
CC-02254		142.5	<0.002	0.06	0.69	3	7.2	138	1.55	<0.05	9.5	0.496	0.7	7.6	169	2.1
CC-02255		128	<0.002	0.04	1.5	2	7.6	60.4	1.93	<0.05	6.3	0.439	0.65	2.6	190	1.8
CC-02256		127	<0.002	0.04	1.23	2	6.4	72	1.65	0.06	10.2	0.395	0.61	5.5	202	2.4
CC-02257		167.5	<0.002	0.02	0.48	3	12.6	148.5	2.82	<0.05	10.9	1.3	0.77	4.3	284	2.4
CC-02258		256	<0.002	0.05	0.81	2	9.1	99.8	1.77	0.05	9	0.69	0.94	2.6	182	3.1
CC-02259		189.5	0.002	0.01	1.49	2	9.6	88.2	1.82	0.06	12.5	0.491	1.06	3.2	154	22.9
CC-02260		173.5	<0.002	0.06	0.86	2	8.2	78.3	2.89	0.05	23.1	0.271	0.84	8.9	89	2
CC-02261		94.1	<0.002	0.05	0.87	2	6	118.5	2.03	0.06	10.9	0.6	0.55	3.9	131	2
CC-02262		80.7	<0.002	0.08	0.76	2	5.9	125	1.95	0.05	10.6	0.445	0.44	3.3	96	1.6
CC-02263		287	<0.002	0.05	0.84	2	13.6	76.7	4.2	0.05	13.4	0.145	1.47	8.4	20	4.3
CC-02264		202	<0.002	0.02	1.33	2	9.1	71.8	2.51	<0.05	28.7	0.284	0.96	6.7	61	3.2
CC-02265		146.5	<0.002	0.1	1.6	2	6.6	80.6	1.78	0.05	14.8	0.308	0.74	8.7	86	2.6
CC-02266		124.5	<0.002	0.17	1.13	2	4.5	106.5	1.28	0.1	14.9	0.376	0.8	7.8	141	2.7
CC-02267		123	<0.002	0.07	1.12	2	5.2	139	1.74	<0.05	24.6	0.402	0.8	8.5	103	2.5
CC-02268		118	<0.002	0.13	0.61	3	4.2	143.5	1.41	<0.05	25.2	0.355	0.65	12.2	94	2
CC-02269		136	<0.002	0.03	1.11	2	4.7	152	1.68	<0.05	25.5	0.421	0.77	7.8	98	2.3
CC-02270		134	<0.002	0.02	0.75	2	6.3	165	2.09	0.05	17.5	0.533	0.51	2.8	110	2
CC-02271		51.6	<0.002	0.02	0.55	1	1	543	0.54	<0.05	6	0.218	0.29	2.3	39	0.6
CC-02272		47.7	<0.002	0.16	0.45	2	2.6	90.5	0.74	<0.05	6.9	0.184	0.19	1.3	32	0.7
CC-02273		218	<0.002	0.01	0.33	3	10.3	116.5	2.67	<0.05	10.1	0.944	0.94	2.8	193	1.7
CC-02274		212	<0.002	0.02	0.69	2	9.2	105	2.88	<0.05	10.4	0.625	0.87	3.5	158	2.3
CC-02275		136	<0.002	0.05	0.62	2	8.1	156	2.47	<0.05	9.6	0.417	0.67	2.5	137	2.5
CC-02276		155.5	0.002	0.02	0.64	2	9.9	131	3.33	<0.05	7.9	0.504	0.96	4.2	192	5.4
CC-02277		121	0.005	0.02	0.62	2	12.3	113	2.79	0.07	14.6	0.451	0.95	3.7	120	3.8
CC-02278		234	<0.002	0.03	0.27	4	13.8	87.4	2.79	<0.05	12.5	1.43	1.16	6	275	9.3
CC-02279		83.4	0.002	0.05	0.6	2	6.1	120.5	1.76	0.07	14.2	0.561	0.61	3.3	140	3.3
CC-02280		188	<0.002	0.01	1.01	2	8.1	118	2.57	<0.05	26.8	0.429	1.02	8.1	85	4.1
CC-02281		171.5	<0.002	0.04	1.02	2	8.1	96.2	2.52	<0.05	20.3	0.38	0.87	5	79	3.2
CC-02282		162	<0.002	0.01	0.68	3	8.5	62.3	2.96	<0.05	16.2	0.987	1.1	3.4	142	4.9
CC-02283		140.5	<0.002	0.03	0.47	2	11	43.2	5.14	<0.05	7.1	0.098	0.69	3.5	16	2.9
CC-02284		192.5	<0.002	0.05	0.59	1	9.8	55.7	3.15	<0.05	12	0.15	0.94	4.5	28	3
CC-02285		160	<0.002	0.03	0.85	2	6.7	100.5	2.35	<0.05	33.3	0.323	0.92	6.4	73	3
CC-02286		167.5	<0.002	0.06	0.78	2	6.5	98.4	2.03	<0.05	10	0.268	0.87	4.8	57	3.1
CC-02287		126	<0.002	0.11	0.75	2	3.7	221	1.22	<0.05	15.3	0.264	0.64	7	62	1.7
CC-02288		184.5	<0.002	0.04	1.36	2	6.6	103	1.82	0.05	15.7	0.312	1.01	5.9	80	2.7
CC-02289		199	<0.002	0.03	1.02	2	9.4	86	2.56	<0.05	13.5	0.32	0.99	5	63	3.7
CC-02290		142.5	<0.002	0.02	1.04	2	4.8	141	1.68	<0.05	25.1	0.44	0.81	7.1	98	2.4
CC-02291		128.5	<0.002	0.01	0.9	2	6.6	98.7	2.09	<0.05	24.6	0.523	0.7	5.3	97	3.4

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC-02252		12	52	116
CC-02253		71.1	94	24
CC-02254		61.9	110	39.8
CC-02255		16.2	122	22.2
CC-02256		19.8	106	30.3
CC-02257		46.2	145	24.8
CC-02258		16.6	85	46.2
CC-02259		18.7	131	54.1
CC-02260		22.8	66	44.7
CC-02261		23.4	63	53.7
CC-02262		16.2	46	66.1
CC-02263		16.2	74	36.1
CC-02264		15	54	35.9
CC-02265		25.2	59	41.9
CC-02266		22.2	49	50.7
CC-02267		20	56	49.1
CC-02268		28.4	89	42
CC-02269		20.1	82	61.3
CC-02270		19.2	64	34.7
CC-02271		7.3	50	139
CC-02272		7.3	25	24
CC-02273		34.3	115	28.1
CC-02274		22.9	80	36.9
CC-02275		13.3	96	38.7
CC-02276		20.9	141	33.6
CC-02277		11.2	54	53.5
CC-02278		53.9	142	20.2
CC-02279		13.2	71	56
CC-02280		19.6	84	35.9
CC-02281		12.2	47	68.1
CC-02282		38.3	124	28.5
CC-02283		8.6	33	36.4
CC-02284		8.6	35	30.4
CC-02285		17.5	58	49.9
CC-02286		11.4	48	59.7
CC-02287		16.6	55	69.3
CC-02288		15	76	66.1
CC-02289		15.2	58	55.6
CC-02290		18.6	87	46
CC-02291		13.4	38	56.6

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC-02292		0.16	0.09	5.56	4.8	570	2.17	1.29	0.42	0.57	80.9	6.7	42	7.42	16.2	2.2
CC-02293		0.26	0.02	6.89	8.2	710	3.67	1.89	0.68	0.37	121	22	69	10.75	32.1	3.92
CC-02294		0.20	0.17	10.25	15.3	760	6	2	0.47	0.22	94.2	18.3	88	19.05	40.2	5.25
CC-02295		0.40	0.26	10.65	19.6	870	6.33	0.85	0.54	0.36	261	27.8	94	19.65	49.6	5.91
CC-02296		0.44	0.02	11.05	6	330	4.82	1.12	0.33	0.14	35.6	3.3	15	13.75	6.5	1.65
CC-02297		0.40	0.04	7.8	11.4	600	3.76	6.17	0.69	0.17	75.1	6.4	48	6.84	7.6	2.41
CC-02298		0.26	0.1	10.45	11.8	980	5.01	1.46	0.65	0.18	248	19.9	82	14.25	28.9	4.79
CC-02299		0.28	0.14	9.23	31	500	4.94	0.86	0.65	0.2	110	7.1	22	14.85	14.9	2.59
CC-02300		0.24	<0.01	8.5	23.8	530	4.39	0.71	0.23	0.15	38	2.4	13	13.6	12.4	1.87
CC-02301		0.34	0.08	8.26	6.8	730	5.89	0.41	0.76	0.28	98.6	21.6	78	25.6	25.2	5.53
CC-02302		0.42	<0.01	10.1	2	230	8.33	3.23	0.39	0.09	15.2	3.7	12	16.6	7.4	1.52
CC-02303		0.28	0.14	5.83	3.5	1310	1.78	0.51	1.5	0.31	46	11.7	86	6.17	15.2	3.49
CC-02304		0.42	0.1	8.13	4	870	5.28	1.22	2.36	0.26	137.5	31.8	143	18	24.4	6.43
CC-02305		0.18	0.02	6.73	5.2	650	2.66	0.81	1.46	0.35	58.4	14.5	87	9.44	12.8	4.08
CC-02306		0.26	0.43	7.25	6.8	800	3.74	1.37	0.82	0.45	65.5	7.4	59	19.45	14.2	2.83
CC-02307		0.18	0.33	6.44	2.1	760	1.66	0.26	1.42	0.31	45.5	6	32	2.57	9.1	1.84
CC-02308		0.38	0.1	7.4	1.7	880	1.49	0.14	1.84	0.05	37.3	5.8	6	1.6	14.6	1.76
CC-02309		0.20	0.07	7.18	8.9	700	3.11	0.58	1.96	0.32	94.2	14.3	69	8.14	27.5	3.8
CC-02310		0.32	<0.01	6.84	9.2	700	2.87	0.62	1.36	0.07	96	8.8	59	8.51	7.8	3.39
CC-02311		0.34	0.05	6.81	8.8	670	2.57	0.64	1.28	0.07	87.6	8.3	59	8.97	7.7	3.23
CC-02312		0.30	<0.01	8.52	2	790	12.85	1.1	0.67	0.23	174	7.9	77	21.2	35	3.54
CC-02313		0.36	<0.01	8.34	1	900	2.81	1	1.2	0.49	245	4.1	58	9.1	11.2	1.9
CC-02314		0.30	0.03	7.2	2.3	780	1.54	0.22	1.62	0.09	45.8	8.4	18	3.11	15.6	2.18
CC-02315		0.42	0.24	6.75	6.7	680	2.83	1	0.63	0.24	122.5	10.3	72	5.68	17.7	3.8
CC-02316		0.46	0.02	8.26	7.2	610	3.64	1.76	0.55	0.13	126	12.6	63	7.9	13.8	3.46
CC-02317		0.44	<0.01	8.42	5.4	730	4.2	1.42	0.63	0.18	179.5	16.4	72	8.51	19	3.78
CC-02318		0.30	0.07	8.39	7.4	750	3.8	1	0.66	0.16	110	12.7	75	11.45	13.7	3.81
CC-02319		0.30	<0.01	7.22	5.5	760	2.84	1.04	0.93	0.1	121	16.8	106	8.99	23.2	3.77
CC-02320		0.32	0.06	7.78	2.3	760	1.76	0.31	1.68	0.09	57.7	8.1	16	3.65	15.9	2.31
CC-02321		0.22	0.09	7.75	2.1	790	2.17	0.56	1.2	0.09	61.2	5.9	25	6.7	17.4	2.3
CC-02322		0.44	<0.01	10.6	3.2	720	5.68	1	0.33	0.07	249	22.6	78	16.5	41.1	5.35
CC-02323		0.30	0.25	10.25	40.2	760	5.5	1.32	0.31	0.06	164.5	15.1	82	15.9	32.6	4.63
CC-02324		0.44	0.16	10.3	19.1	780	4.6	0.56	0.29	0.06	213	21.1	79	10.85	35.4	5.65
CC-02325		0.28	0.21	9.21	38.9	700	4.96	1.27	0.34	0.06	218	15.1	80	14.6	31.5	4.48
CC-02326		0.38	<0.01	7.94	7.4	780	4	1.16	0.83	0.18	118	11.7	70	8.7	14.6	3.7
CC-02327		0.34	0.26	7.84	22.8	660	4.18	0.86	0.9	0.19	151	11.9	58	11.2	20.2	3.73
CC-02328		0.36	0.05	10.15	4.8	910	5.42	1.07	0.4	0.1	184.5	22.6	85	16.85	46.6	5.42
CC-02329		0.40	<0.01	8.53	3.5	660	4.59	1.92	1.29	0.12	199	20.8	99	15.55	31.9	5
CC-02330		0.28	0.12	8.43	4.1	710	4.56	1.84	0.79	0.16	144	18.8	72	15.75	29	4.27
CC-02331		0.42	<0.01	8.4	6.7	570	4.47	1.44	2.09	0.18	222	22.1	118	14.9	22.8	5.08

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
CC-02292		17.6	0.25	1	0.04	1.63	41.5	33.1	0.36	284	1.02	0.69	12.2	15.8	1440	17.4
CC-02293		20.2	0.33	1	0.053	2.05	63.1	113	0.72	847	0.95	0.72	14.1	47	1500	27.2
CC-02294		31.1	0.33	0.9	0.07	2.76	49	118	0.91	543	1.4	0.53	19	44.4	1130	44.8
CC-02295		33.3	0.57	1.1	0.083	3.33	126	95.1	0.75	835	0.75	0.55	18.8	66	1220	36
CC-02296		29.8	0.19	1.7	0.057	4.13	16	123.5	0.28	521	0.86	0.77	15.8	7.3	1300	50.9
CC-02297		25	0.24	1.6	0.062	2.61	37.4	56.3	0.56	352	1.13	1.24	21	17.6	1200	32.8
CC-02298		33.2	0.52	1.2	0.08	3.61	118.25	103	0.94	867	1.2	0.86	19.4	43	1220	29.9
CC-02299		27.7	0.31	0.9	0.055	3.46	55.9	78	0.3	826	1.76	0.54	22.7	11.3	1080	27.6
CC-02300		28.8	0.18	1.1	0.044	3.38	17.6	329	0.29	227	2.35	0.6	23.5	5	1220	13.7
CC-02301		26.1	0.36	0.9	0.102	1.95	48.7	68.7	0.69	1650	2.09	0.56	24.1	30.6	1880	14.6
CC-02302		29.4	0.17	1.3	0.018	3.09	8.1	83.8	0.39	468	0.88	0.1	18.8	7.2	420	31.3
CC-02303		19.25	0.23	1.6	0.058	1.45	21.8	24.5	1.23	602	2.06	1.14	19	31.7	1380	18.3
CC-02304		24.2	0.36	1.3	0.09	2.17	45.3	58	2.34	1085	1.87	1.05	26.2	68.6	1530	26.3
CC-02305		22.7	0.27	1.1	0.065	1.72	27.5	33.4	1.15	549	1.73	1.05	20.5	31.1	860	18
CC-02306		24	0.27	1.3	0.067	1.92	36.2	36.5	0.71	401	2.2	0.77	17.9	15.7	900	27.9
CC-02307		17.85	0.21	2.4	0.034	1.69	23.7	18.8	0.54	361	1.48	1.76	12.5	10	1040	11.7
CC-02308		19.15	0.2	4.3	0.018	2.27	20.6	21.1	0.57	389	1.7	2.71	6.1	3.7	310	10.1
CC-02309		23.3	0.34	1.8	0.067	1.84	50.9	63.1	1.16	1225	1.68	1.37	18.4	31.3	1100	18.7
CC-02310		27.8	0.32	2	0.057	2.11	49.1	31.7	0.85	408	1.4	1.54	25	19.8	430	20.8
CC-02311		26.7	0.3	1.8	0.056	2.09	43.7	31.8	0.8	373	1.41	1.41	23.6	18.4	380	21.2
CC-02312		28.2	0.44	1.3	0.05	2.28	88.7	42.8	0.63	341	1.38	0.84	21.1	22.7	700	27.9
CC-02313		26.1	0.5	2.3	0.054	2.61	126	29	0.58	246	1.33	1.47	21.9	9.8	490	22.9
CC-02314		18	0.23	3.6	0.022	2.04	24.4	26	0.65	400	1.5	2.25	7.1	10.4	610	10.5
CC-02315		17.7	0.34	1.5	0.054	1.82	64	57.4	0.75	382	1.16	0.95	14	26.9	1200	22.8
CC-02316		23.3	0.36	1.1	0.055	2.52	63	65.3	0.73	482	1.04	1.13	17.7	29.7	690	30.4
CC-02317		23.7	0.44	1.2	0.058	2.67	92.8	78.6	0.92	673	0.84	1.1	18	37.6	890	26.9
CC-02318		25.2	0.34	1.4	0.065	2.51	55.5	77	0.92	491	1.18	1.04	19.2	30.2	780	24.9
CC-02319		20.9	0.37	1.8	0.051	2.14	61.8	59.6	1.19	506	1.22	1.07	15	54.4	780	18
CC-02320		18.8	0.27	3.6	0.023	2.07	30.2	28.7	0.68	522	1.46	2.35	6.9	8.3	780	12.2
CC-02321		20.7	0.27	3.2	0.027	2.27	32.6	35.7	0.53	340	1.56	2.03	9	10.7	740	16.4
CC-02322		30.6	0.63	1	0.078	3.58	116.75	136.5	0.89	639	1.85	0.69	19.3	51.3	740	37.6
CC-02323		29.7	0.46	1	0.061	3.42	85	92.6	0.63	675	1.26	0.49	14.7	37.7	780	32.1
CC-02324		28.7	0.54	0.8	0.06	3.25	96	82.1	0.66	767	0.83	0.45	14	46.7	1060	34.1
CC-02325		28.6	0.56	1.2	0.059	3.17	102.5	86.3	0.6	654	1.22	0.54	14.4	37.2	820	31.4
CC-02326		22.1	0.37	1.8	0.056	2.27	59.2	62.4	0.92	585	1.11	1.31	17	31.2	1170	24.5
CC-02327		22.9	0.46	2	0.058	2	79.7	71.3	0.88	506	1.02	1.24	15.1	31.4	1060	22.6
CC-02328		28.8	0.52	0.7	0.076	3.38	98.7	113.5	0.83	877	1.66	0.52	16.9	55	690	29.8
CC-02329		27.2	0.52	1.1	0.073	2.77	93.25	119.5	1.3	660	1.05	0.84	26.3	51.2	790	26.6
CC-02330		24.3	0.46	1.7	0.057	2.23	73.7	98.8	0.95	938	1.18	0.98	16.2	38.7	1250	24.8
CC-02331		25.1	0.57	1.3	0.068	2.49	104	119	1.56	814	0.98	1	37	56.5	1660	32.3

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
CC-02292		105	<0.002	0.11	0.59	2	4	92.7	1.35	<0.05	15	0.281	0.48	5.4	64	2
CC-02293		144.5	<0.002	0.09	0.63	2	4.6	83.6	1.66	<0.05	24	0.347	0.81	17.8	82	2.2
CC-02294		204	<0.002	0.11	0.86	2	6	82.4	2.07	0.07	17.1	0.474	1.12	14	102	2.5
CC-02295		213	<0.002	0.03	0.59	3	6	115	2.03	0.08	47.8	0.554	1.27	21.1	102	2.6
CC-02296		250	<0.002	0.02	1.21	2	8.4	59.4	1.88	<0.05	9	0.123	1.54	7.3	20	3.5
CC-02297		176.5	<0.002	0.02	1.12	2	8.2	101	2.44	<0.05	13.8	0.29	0.89	6.6	75	4.4
CC-02298		221	<0.002	0.04	0.84	2	6.8	99.7	2.01	<0.05	47.1	0.447	1.1	15.3	105	3.6
CC-02299		219	<0.002	0.06	2.25	2	6.8	66.5	2.09	<0.05	30.4	0.184	1.21	12	34	3.2
CC-02300		217	<0.002	0.07	1.45	2	6.8	70.1	2.5	0.17	13.9	0.146	1.02	4.1	30	2.2
CC-02301		168.5	<0.002	0.05	1.07	3	9.3	63.3	2.46	<0.05	15	0.834	0.9	5.5	179	4.9
CC-02302		233	<0.002	0.01	0.85	1	10.6	34.1	5.21	<0.05	2.7	0.117	1.24	2.7	28	2.7
CC-02303		80.6	<0.002	0.06	0.73	2	5	109.5	1.75	<0.05	9.7	0.579	0.46	3	148	2.3
CC-02304		155.758	<0.002	0.03	0.7	3	6.5	122	2.5	<0.05	15.6	1.015	0.98	5.7	199	2.5
CC-02305		145.5	<0.002	0.07	0.65	2	6.2	128	2.02	<0.05	12.3	0.625	0.6	3.2	140	2.2
CC-02306		229	<0.002	0.07	0.86	2	6.2	112.5	1.81	<0.05	12.3	0.427	0.91	5.5	116	2.1
CC-02307		58.8	<0.002	0.03	0.56	2	3.5	305	1.23	<0.05	8.7	0.366	0.38	2.4	66	1.4
CC-02308		54.5	<0.002	0.01	0.52	1	0.9	560	0.54	<0.05	6.3	0.23	0.27	2.3	42	0.6
CC-02309		110.5	<0.002	0.06	0.79	2	4.9	229	2.1	<0.05	15.2	0.445	0.56	16.4	103	1.6
CC-02310		133.5	<0.002	0.01	0.88	2	6.5	196.5	2.34	<0.05	16.6	0.557	0.56	3.1	116	2.1
CC-02311		142	<0.002	0.01	0.9	2	6.3	182.5	2.15	<0.05	15.5	0.541	0.58	2.9	120	2
CC-02312		168.5	<0.002	0.06	0.63	2	6.1	141.5	3.14	0.07	32	0.539	0.93	7.8	108	3
CC-02313		130.5	<0.002	0.02	0.51	2	6.7	263	2.08	<0.05	43.6	0.567	0.68	9.9	104	5.6
CC-02314		63.9	<0.002	0.03	0.55	1	1.2	476	0.64	<0.05	7.6	0.253	0.32	2.8	50	0.8
CC-02315		106.5	<0.002	0.08	0.88	2	3.7	116	1.41	<0.05	23.3	0.368	0.61	6.2	91	2
CC-02316		149.5	<0.002	0.02	0.84	2	6	102.5	1.85	0.05	26.2	0.37	0.84	6.9	78	3.4
CC-02317		163.5	<0.002	0.03	0.93	2	5.6	124	1.87	0.06	34.4	0.416	0.86	8.6	83	3.1
CC-02318		169	<0.002	0.03	1.08	2	5.7	111	1.99	0.05	21.5	0.471	0.88	6	106	2.9
CC-02319		127	<0.002	0.04	0.9	2	4.1	144	1.59	0.05	21	0.426	0.7	5.8	112	13.1
CC-02320		63.7	<0.002	0.04	0.62	1	1.4	518	0.63	<0.05	9.6	0.26	0.36	3.5	52	1.1
CC-02321		94.6	<0.002	0.05	0.77	2	2.5	403	0.93	<0.05	10.8	0.268	0.48	5.6	57	1.4
CC-02322		230	<0.002	0.12	1.2	2	5.9	81.4	2.1	0.05	48.1	0.501	1.3	18.4	105	3.3
CC-02323		250	<0.002	0.14	4.48	2	7	88.3	1.79	0.1	29.9	0.395	1.38	10.6	91	2.9
CC-02324		199.5	<0.002	0.13	1.62	2	3.5	80.3	1.25	0.05	42.3	0.399	1.27	15.4	86	1.8
CC-02325		230	<0.002	0.14	4.59	2	6.2	94.1	1.67	0.11	39.7	0.384	1.32	12.3	86	13.6
CC-02326		133.5	<0.002	0.03	1.01	2	4.7	148.5	1.66	0.05	23.2	0.427	0.71	6.7	98	2.1
CC-02327		136	<0.002	0.04	1.45	2	4.4	174.5	1.5	0.06	29.1	0.391	0.7	11	87	7.9
CC-02328		224	<0.002	0.09	0.62	2	7.2	94.1	1.88	0.11	32.2	0.465	1.17	10.2	96	48
CC-02329		191.5	<0.002	0.07	0.58	2	6.5	190.5	2.29	0.09	35.4	0.58	1.02	9.6	106	59.1
CC-02330		149.5	<0.002	0.1	0.78	2	4.9	187	1.54	0.06	24.4	0.405	0.91	12.3	90	3.2
CC-02331		171.5	<0.002	0.06	0.87	3	7.2	206	3.32	0.06	37	0.783	0.87	9.4	114	8

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC-02292		9.8	51	31.3
CC-02293		16.1	91	30.5
CC-02294		12.3	97	28.3
CC-02295		28	149	31.6
CC-02296		12	70	44.5
CC-02297		16.3	59	45.6
CC-02298		24.2	108	31.2
CC-02299		20	56	21.3
CC-02300		8.7	38	31.8
CC-02301		31.2	110	24.1
CC-02302		12.9	25	22
CC-02303		18.2	65	42.8
CC-02304		35.3	118	28.4
CC-02305		17.4	91	32.2
CC-02306		20.2	52	37.2
CC-02307		10.6	42	70.8
CC-02308		7.7	50	146
CC-02309		29.6	97	52.8
CC-02310		18.4	49	58.7
CC-02311		16.4	48	48.9
CC-02312		14.2	61	38.5
CC-02313		21.5	37	65.8
CC-02314		8	53	119.5
CC-02315		14.4	71	38.7
CC-02316		13.8	68	29.5
CC-02317		18.9	85	32.3
CC-02318		15.6	80	35.5
CC-02319		15.2	81	49.5
CC-02320		8.7	54	118.5
CC-02321		8.8	53	100.5
CC-02322		20.6	114	25.4
CC-02323		13.3	89	24.6
CC-02324		18.8	108	20
CC-02325		16.6	87	30
CC-02326		18.4	83	47.6
CC-02327		23.8	88	48.5
CC-02328		17.8	114	15.7
CC-02329		20.6	103	27.3
CC-02330		17.8	96	48.4
CC-02331		25.7	106	30.7

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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
CC-02332		0.30	0.02	10.55	2	710	6.75	1.9	0.63	0.13	256	20.2	92	30.1	51.9	6.41
CC-02333		0.34	0.04	8.94	6.5	760	4.67	1.09	0.49	0.15	173.5	11.8	78	14.25	18.1	3.93
CC-02334		0.34	0.11	8.68	5.7	800	3.81	0.46	0.63	0.09	175	14.4	86	10.7	24	3.9
CC-02338		0.18	0.41	3.7	5.6	570	2.4	0.34	1.17	1.04	69.5	14.4	41	3.8	14.8	1.56
CC-02339		0.30	0.25	10.05	20.8	450	5.94	0.95	0.08	0.04	124	12.2	72	19.6	16.4	3.83
CC-02340		0.30	0.12	8.7	3.6	840	3.14	0.91	0.71	0.17	113.5	8.4	58	11.95	21	3.05
CC-02341		0.16	0.43	1.56	1.6	220	1.57	0.33	0.72	0.72	36.2	3.8	15	3.36	16.8	0.88
CC-02342		0.18	0.39	7.94	2.8	780	4.82	1.68	0.85	0.29	134.5	15.4	69	16.95	57.7	5.08
CC-02343		0.32	<0.01	9.41	2.4	780	4.73	0.99	1.5	0.11	265	18.3	109	16.8	37.9	6.12
CC-02344		0.46	<0.01	9.47	2.6	630	5.25	1.74	3.17	0.18	134.5	33.6	208	25.9	41.1	6.95
CC-02345		0.38	<0.01	9.03	5.1	800	5.07	0.65	0.99	0.12	143	18.3	91	13.05	30.8	4.52
CC-02346		0.38	<0.01	9.44	4.2	710	4.78	0.75	0.51	0.15	223	11	81	12.85	24.4	4.04
CC-02347		0.40	0.05	9.39	8.5	870	5.28	0.79	0.74	0.11	156.5	14.8	93	11.95	22.4	4.33
CC-02348		0.40	<0.01	8.96	5	820	3.1	0.75	0.62	0.08	94.2	8.3	87	8.39	16.7	4.21
CC-02349		0.34	<0.01	8.41	6.5	950	5.18	0.51	0.65	0.15	127	14.8	92	12	18.4	4.38
CC-02350		0.30	<0.01	10.55	4.2	930	4.24	0.88	0.48	0.09	254	16.8	97	14.9	44.1	5.26
CC-02351		0.30	<0.01	8.32	3	770	14.9	0.96	0.86	0.17	267	8.4	80	15.45	17.7	3.12
CC-02352		0.42	<0.01	8.59	5.9	930	5.75	0.62	1.04	0.12	108	19.1	83	14.9	28.4	4.62
CC-02353		0.26	0.17	6.59	3.4	490	3.5	1.2	0.82	0.39	79.1	16.5	73	19.2	31.1	4
CC-02354		0.46	<0.01	10.7	1.3	700	6.33	0.65	1.17	0.15	202	31.1	119	19.8	57	6.98
CC-02355		0.28	0.05	9	5.3	680	3.59	0.76	0.6	0.16	92.7	14.7	82	12.55	26.4	4.49
CC-02356		0.28	<0.01	8.95	8.7	850	3.9	0.65	0.54	0.09	189.5	15.1	92	10.95	28.6	4.56
CC-02357		0.26	<0.01	7.52	8.9	640	3.9	1.41	0.66	0.48	91.8	12.2	72	9.51	16.9	3.65
CC-02358		0.32	<0.01	7.85	5.9	760	3.01	0.6	0.72	0.19	146.5	11.3	81	9.16	20.1	3.4
CC-02359		0.38	<0.01	9.67	6.1	820	4.2	0.63	0.51	0.13	107.5	15	96	17	32.8	4.88
CC-02360		0.28	0.13	6.47	15.4	650	3.68	1.41	0.81	0.39	70	17.7	76	18.45	31.1	4.34
CC-02361		0.30	<0.01	10.55	5.8	940	4.68	1.45	0.89	0.06	103	10.8	67	13.85	32.8	4.44
CC-02362		0.56	0.07	11.7	4.5	1140	5.69	1.25	0.42	0.06	194	19.3	85	14.65	63.3	5.41
CC-02363		0.30	<0.01	9.67	3	710	5.13	1.23	0.98	0.11	141	16	73	15.9	31.1	4.98
CC-02364		0.28	<0.01	7.88	6.7	580	4.86	2.09	0.53	0.13	139	11.5	65	11.3	22.1	3.97
CC-02365		0.22	<0.01	7.33	2.9	550	3.23	1.52	1.16	0.2	90.8	11.9	85	11.3	24.6	3.73
CC-02366		0.32	<0.01	7.71	4.4	720	2.93	0.58	1.06	0.13	125.5	10.2	78	11.85	23.6	3.61
CC-02367		0.32	<0.01	5.99	3.3	460	2.68	1.95	2.71	0.2	90.2	23.4	212	15.75	45.8	5
CC-02368		0.40	<0.01	8.77	7.7	800	3.44	0.54	0.57	0.1	129.5	17.1	104	9.14	27.6	4.7
CC-02369		0.32	<0.01	7.94	4.3	780	2.72	0.65	0.65	0.09	123.5	8.5	84	10.95	19.7	3.48
CC-02370		0.38	<0.01	8.84	5.5	900	3.56	0.46	0.65	0.09	170	15.5	103	9.11	25.4	4.21
CC-02371		0.40	<0.01	9.27	6.1	950	4	0.51	0.48	0.08	179	20.1	106	12.2	32.8	5
CC-02372		0.34	0.1	7.12	1.6	840	1.37	0.17	1.68	0.06	39.8	6.1	10	2.25	16.3	1.85
CC-02373		0.26	0.05	7.49	3.5	760	2.36	0.62	1.04	0.14	52.6	7.6	37	8.67	22.3	2.65
CC-02374		0.28	<0.01	8.01	18.9	870	4.26	0.59	0.41	0.23	90.6	19.8	61	19.05	19.6	3.98

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
CC-02332		31	0.68	0.9	0.078	3.69	124.75	185.5	1.11	755	1.72	0.88	22.7	49.8	1120	25.5
CC-02333		25.1	0.44	1.5	0.058	2.57	91.4	88.1	0.82	558	1.12	0.95	17.2	32.6	750	28.6
CC-02334		24	0.44	1.2	0.062	2.71	92.7	108.5	1.13	572	0.82	0.99	15.2	40.7	640	23.9
CC-02338		9.92	0.3	1.3	0.023	0.94	36.6	16	0.48	2920	1.24	0.72	5.7	22.9	2730	16
CC-02339		27.3	0.36	1.4	0.055	2.84	59.7	366	0.27	559	0.81	0.12	13.7	29.2	610	28.6
CC-02340		25.2	0.35	1.9	0.051	2.67	59.6	72.7	0.57	409	1.67	1.1	14.2	19.8	1050	21.3
CC-02341		4.19	0.22	0.3	0.012	0.36	21.7	12	0.15	90	0.64	0.12	2.8	12.9	1640	11.6
CC-02342		25	0.41	1.1	0.057	2.36	68.2	94.2	1.02	554	1.85	0.76	15.9	33.2	1630	24.7
CC-02343		27.8	0.34	0.8	0.075	3.02	126.5	121	1.49	746	0.85	0.75	32.4	43.7	950	24.1
CC-02344		25	0.27	0.8	0.069	2.38	70.5	92.7	2.31	979	0.69	0.94	43.5	110.5	1440	19.8
CC-02345		26.3	0.37	1.3	0.065	2.36	69.5	102.5	1.07	605	1.03	0.99	24.9	46.9	830	20.3
CC-02346		28.8	0.29	1.2	0.06	2.53	107.5	107.75	0.77	452	1.22	0.78	17.8	33.1	870	19.4
CC-02347		25.8	0.26	1.4	0.055	2.59	73.2	105.5	1.08	529	0.96	1.06	15.5	36.8	760	20
CC-02348		16.9	0.14	0.8	0.04	2.37	54.1	59.4	0.84	496	0.67	0.91	10.3	24.2	1070	15.8
CC-02349		24.3	0.21	1.5	0.07	2.51	59.5	108.25	1.04	510	1.18	0.98	16.4	34.1	610	22.2
CC-02350		28.9	0.34	1	0.071	3.43	121.5	133	1.23	781	1	0.81	18.2	35.7	850	30
CC-02351		24.9	0.33	1.3	0.048	2.31	115.5	54.9	0.79	823	1.32	1.11	20.2	30.4	400	22.9
CC-02352		25.5	0.23	1	0.058	3.05	48.3	110	1.23	550	0.95	0.99	18.4	44.2	510	28.8
CC-02353		20.8	0.14	0.7	0.053	1.67	37.7	95.1	0.71	706	1.38	0.42	13.4	32.4	1450	17.4
CC-02354		28.8	0.3	0.6	0.082	2.58	96.3	104.5	1.03	1250	1.38	0.42	53	66.6	2170	24.9
CC-02355		24.4	0.15	0.9	0.061	2.2	40.6	76.3	0.68	589	1	0.71	17.6	39.6	1060	23.3
CC-02356		26.6	0.24	1.4	0.067	2.66	88.1	98.1	0.95	515	0.94	1	17.4	41.3	650	25.9
CC-02357		21.2	0.14	1.3	0.052	2.18	42.6	70.6	0.76	609	1.09	1.03	15.5	33.7	790	23.4
CC-02358		22.5	0.2	1.1	0.05	2.31	67.9	64.9	0.81	546	0.84	0.92	14.6	30.4	810	20.3
CC-02359		27.4	0.21	1	0.064	2.44	50.8	99.5	1.1	607	1.12	0.76	16.6	39.8	1230	20.1
CC-02360		20.5	0.12	1.2	0.05	1.47	30.3	69.5	0.65	3230	1.56	0.66	12.2	38.2	3010	30.7
CC-02361		28.2	0.19	1.5	0.058	2.89	51.4	95.8	0.93	644	1.35	0.99	13.6	22.7	890	31.2
CC-02362		32.8	0.31	0.5	0.08	3.81	90.25	109.5	0.77	1965	1.36	0.44	13.9	48.2	710	42.3
CC-02363		27.5	0.22	1.6	0.061	2.88	64.2	102.5	0.89	531	1.53	1.16	18.6	37.7	980	30.2
CC-02364		23	0.2	1.7	0.048	2.25	63.5	85.4	0.56	627	1.84	0.88	19.9	30.7	1060	34.6
CC-02365		19.9	0.14	0.8	0.047	1.82	42.9	76.8	0.95	606	1.02	1.04	18.8	35.1	1440	21.9
CC-02366		25.5	0.2	1.2	0.056	2.22	59.4	71.4	0.88	430	1.32	0.99	20.9	28.6	910	21.7
CC-02367		18.25	0.18	0.9	0.053	1.26	39	64.8	2.26	641	1.04	0.65	38.7	86	2110	13.4
CC-02368		25.5	0.22	0.9	0.058	2.6	68.4	96.3	1.2	572	0.81	1.13	15.3	49.3	570	22.6
CC-02369		26.1	0.18	1.2	0.053	2.51	57.7	58.2	0.85	512	1.05	0.9	18.6	25.4	830	20.1
CC-02370		27.3	0.26	1	0.065	2.96	91.9	87.9	1.02	640	0.62	0.93	16.7	41	600	21.7
CC-02371		29.8	0.32	1.2	0.074	3.18	81	101.5	1.19	690	0.79	0.89	19.2	50.3	570	24.5
CC-02372		18.85	0.07	4	0.017	2.15	18.7	22.9	0.6	369	1.64	2.51	5.9	5.3	560	9.8
CC-02373		20.8	0.08	2.9	0.031	2.03	23.5	42.9	0.51	445	1.69	1.61	10.2	16.3	1240	18.2
CC-02374		22.6	0.12	0.8	0.045	2.34	33.1	93	0.54	1025	0.93	0.3	11.9	34.6	830	29.3

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
CC-02332		284	<0.002	0.14	0.31	3	7.6	122.5	2.43	0.12	46.2	0.602	1.47	18.1	116	3.3
CC-02333		170.5	<0.002	0.03	1.27	2	5.6	119.5	2.03	<0.05	31.2	0.434	0.99	12.8	101	2.8
CC-02334		157	<0.002	0.03	1.01	2	4.6	144	1.61	0.06	30.7	0.409	0.84	7.2	97	2.2
CC-02338		52.3	<0.002	0.24	0.93	3	1.6	160	0.6	<0.05	7.4	0.154	0.45	13.5	49	0.9
CC-02339		201	<0.002	0.05	3.26	2	10.2	119	1.39	0.11	25.9	0.363	1.36	5.9	82	5
CC-02340		151.5	<0.002	0.07	0.58	2	4.7	223	1.35	0.06	20.2	0.384	0.85	6.7	89	2.8
CC-02341		24.5	<0.002	0.26	0.51	2	0.8	82.6	0.24	<0.05	3.2	0.078	0.18	9.2	15	0.6
CC-02342		169.5	<0.002	0.28	0.39	2	4.6	193.5	1.48	0.09	21	0.417	0.94	12.5	83	9.8
CC-02343		203	<0.002	0.13	0.5	2	7.2	201	2.6	0.06	44.5	0.723	1.21	11.5	115	5.3
CC-02344		138.5	<0.002	0.09	1.11	2	6.4	446	3.04	0.05	22.3	0.946	0.93	8	129	7.3
CC-02345		156	<0.002	0.05	0.74	2	5.9	187.5	1.98	0.05	23	0.533	0.89	6.5	107	3.2
CC-02346		176.5	<0.002	0.07	0.85	2	5.5	97.6	1.95	0.05	39.2	0.444	0.92	8.3	93	4
CC-02347		165	<0.002	0.05	0.86	2	4.8	156	1.55	0.05	26.5	0.436	0.92	7.6	95	2.3
CC-02348		136.25	<0.002	0.06	0.8	1	3.7	99.65	1.02	<0.05	19	0.415	0.66	6.7	94	1.6
CC-02349		159.5	<0.002	0.02	0.83	2	5.4	121	1.56	0.05	20.2	0.435	1	5	107	2.2
CC-02350		219	<0.002	0.11	0.5	2	5.8	130	1.98	0.08	42.4	0.491	1.2	9.3	99	2.6
CC-02351		195.5	<0.002	0.02	0.59	2	7.6	160	2.89	0.07	44.8	0.416	0.72	10.4	91	2.8
CC-02352		195.5	<0.002	0.03	0.54	2	9.8	217	1.85	0.05	26.6	0.458	0.98	5.7	89	2.7
CC-02353		142	<0.002	0.18	1.48	2	5.2	125	1.21	0.07	11.3	0.363	0.92	8.3	92	4.9
CC-02354		179	<0.002	0.01	0.9	2	5.6	127	3.61	0.05	28.4	1.02	0.91	9.7	154	9.9
CC-02355		147.5	<0.002	0.07	0.6	2	6.2	251	1.66	<0.05	16.5	0.404	0.73	5.6	88	4.4
CC-02356		165.5	<0.002	0.05	0.78	2	5	127.5	1.63	0.05	34.2	0.471	0.86	8.3	98	2.5
CC-02357		153.5	<0.002	0.06	0.87	2	6.1	101.5	1.72	<0.05	15.4	0.332	0.68	5.6	82	2.5
CC-02358		158.5	<0.002	0.06	0.92	2	4.5	128	1.35	<0.05	24.5	0.376	0.74	6.4	83	2
CC-02359		166	<0.002	0.12	0.84	2	5	131.5	1.56	0.06	18.2	0.467	0.85	5.6	101	2.2
CC-02360		147.5	<0.002	0.18	3.13	2	4.2	110	1.16	0.08	12.9	0.293	0.86	9.2	90	2.3
CC-02361		185.5	<0.002	0.06	0.86	2	6	233	1.51	0.1	17.4	0.433	0.99	8.3	95	2.7
CC-02362		235	<0.002	0.15	0.6	3	6.6	103.5	1.48	0.14	36.6	0.434	1.28	22	90	3.6
CC-02363		192	<0.002	0.08	0.5	2	7	240	2	<0.05	24.1	0.5	0.93	12.7	104	4.9
CC-02364		151	<0.002	0.05	1.32	2	7	89.9	3.02	<0.05	24.7	0.372	0.82	10.6	77	5.5
CC-02365		133.5	<0.002	0.14	0.5	2	4.3	144	1.73	0.05	15.1	0.425	0.63	5.2	76	1.9
CC-02366		139	<0.002	0.09	0.57	2	5.3	142	1.79	0.05	22.3	0.51	0.66	5.4	103	2.1
CC-02367		91.6	<0.002	0.13	0.34	2	4.8	206	2.81	<0.05	10.3	0.834	0.48	5	104	2.1
CC-02368		169.5	<0.002	0.05	0.73	2	4.5	122.5	1.4	<0.05	26.1	0.421	0.83	5.8	94	2.1
CC-02369		159	<0.002	0.06	0.6	2	5.9	124.5	1.74	0.05	21.3	0.468	0.72	4.4	105	2.9
CC-02370		175.5	<0.002	0.04	0.97	2	5	125.5	1.49	<0.05	34.2	0.45	0.86	7	96	2.3
CC-02371		190.5	<0.002	0.02	0.78	2	5.1	118.5	1.87	0.06	38.2	0.504	0.93	7.7	106	2.4
CC-02372		55.9	<0.002	0.03	0.5	1	0.9	529	0.51	<0.05	6.1	0.238	0.29	2.8	44	0.7
CC-02373		96.2	<0.002	0.08	0.79	2	3.8	315	1.05	<0.05	9.3	0.282	0.5	5.2	61	1.6
CC-02374		153.5	<0.002	0.02	0.39	2	4.1	89.3	1.17	<0.05	16.3	0.343	0.82	4	69	1.4

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC-02332		21.1	116	22.3
CC-02333		16.7	79	39.5
CC-02334		15.2	86	31
CC-02338		28.9	41	38.3
CC-02339		11.3	78	36.6
CC-02340		12.2	62	59.5
CC-02341		12.2	33	7.4
CC-02342		15.3	97	33.1
CC-02343		26.4	116	30.2
CC-02344		37.4	126	26.9
CC-02345		17	96	38.4
CC-02346		17.2	74	47.9
CC-02347		16	80	60
CC-02348		11.2	81	34
CC-02349		15	89	60.9
CC-02350		18.8	100	41.1
CC-02351		25.6	73	51.9
CC-02352		24.9	116	39.1
CC-02353		16.4	75	28.3
CC-02354		24.9	126	19.6
CC-02355		13.6	87	34
CC-02356		17.4	92	59.9
CC-02357		11.6	88	57.4
CC-02358		14.7	72	47.5
CC-02359		11.8	87	43
CC-02360		15.2	76	50.8
CC-02361		15.1	90	69
CC-02362		31.7	126	18
CC-02363		15.1	116	73.7
CC-02364		17.8	76	62.4
CC-02365		12.4	66	34
CC-02366		16	66	48.9
CC-02367		24	73	32.2
CC-02368		14.8	90	41.2
CC-02369		12.6	71	53.3
CC-02370		18	97	40.5
CC-02371		19.6	102	51.1
CC-02372		8.1	49	137.5
CC-02373		9.5	65	100
CC-02374		15.1	88	35.8

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC-02375		0.34	<0.01	11	2.6	850	6.07	1.73	0.3	0.1	215	22.5	82	18.95	43.5	6.67
CC-02376		0.42	<0.01	10	3.4	720	5.01	0.93	0.73	0.1	225	26	136	18.95	47	6.52
CC-02377		0.36	0.12	7.93	0.8	350	3.13	3.18	5.02	0.32	161	43.2	67	8.97	58.2	7.89
CC-02378		0.20	0.5	4.88	3.1	500	1.75	0.32	0.65	0.26	59.3	6.6	40	6.3	28.1	2.86
CC-02379		0.22	0.09	6.94	8.6	700	2.58	0.77	0.87	0.56	96.4	7.6	57	7.4	29.4	3.6
CC-02380		0.52	<0.01	11.35	17.9	850	4.32	0.37	0.17	0.06	163	19	98	9.89	31.1	5.84
CC-02381		0.16	0.37	3.24	3	460	1.29	0.19	0.92	0.22	41.6	4.2	32	4.1	21.8	1.65
CC-02382		0.38	<0.01	9.8	3.9	830	3.65	0.63	0.64	0.89	149	16.5	104	12.5	40.5	5.07
CC-02383		0.38	<0.01	9.66	9.3	810	4.31	1.45	0.85	0.07	143	13.9	64	14.45	34.6	4.51
CC-02384		0.30	<0.01	9.76	2.8	620	5.86	0.86	0.36	0.19	137.5	12.8	88	16.4	28.7	4.54
CC-02385		0.40	0.12	8.38	6.5	870	2.48	0.56	1.26	0.08	56	8.3	24	6.96	26.4	2.59
CC-02386		0.34	<0.01	8.23	2.5	780	2.93	0.66	1.04	0.14	125	10.1	55	11.35	31.7	4.36
CC-02387		0.48	<0.01	9.53	3.7	760	7.68	0.89	0.46	0.12	169	18.1	79	19.05	38.7	5.27
CC-02388		0.38	<0.01	9.92	4.5	600	8.7	1.39	0.84	0.18	145.5	22.8	152	33.5	45.5	6.19
CC-02390		0.28	<0.01	8.91	29.2	840	4.6	0.53	0.7	0.24	141	18.8	80	12.85	46.1	5.94
CC-02391		0.34	<0.01	7.39	4.7	780	2.53	0.48	0.6	0.54	135	7.2	71	7.49	17.3	3.38
CC-02392		0.40	<0.01	8.08	5.1	980	2.82	0.7	0.61	0.35	145	77.7	79	12.7	24.3	3.86
CC-02393		0.52	<0.01	9.79	3.7	800	3.74	0.42	0.57	0.08	191.5	18.8	108	12.2	30.2	5.23
CC-02394		0.28	0.1	8.85	4.1	800	3.49	0.66	1.12	0.11	63.1	11.9	53	13.3	28.5	3.8
CC-02395		0.32	<0.01	8.43	5.3	650	3.63	0.92	0.83	0.13	116.5	16.6	116	18.75	33.9	5.63
CC-02396		0.30	<0.01	9.98	7.1	750	5.58	0.83	0.59	0.07	115	14.4	93	18.6	27	5.26
CC-02397		0.18	<0.01	9.74	5.5	890	4.37	0.91	1.14	0.98	56.8	14.4	66	15.7	35.1	4.48
CC-02398		0.24	0.17	9.6	8.8	810	4.22	1.33	0.49	0.13	72	54.3	75	16.8	58.6	4.82
CC-02399		0.48	<0.01	10.4	7.5	1040	4.42	0.91	0.43	0.1	188.5	22.2	108	14.75	52.1	5.28
CC-02400		0.26	<0.01	11.05	17.9	1030	6.74	1.45	0.48	0.13	233	22.7	105	16.5	53.8	6.19
CC-02401		0.26	<0.01	7.85	9.7	830	4.45	0.68	0.85	0.29	116	24.9	144	13.05	29.2	4.38
CC-02402		0.28	0.08	7.89	13	780	4.29	0.85	0.94	0.31	98.2	13.4	79	15.45	36.3	4.41
CC-02403		0.36	<0.01	11.3	7.8	990	5.85	0.6	0.54	0.1	253	21.6	123	19.85	39.4	5.95
CC-02404		0.04	<0.01	9.96	1.5	780	3.51	0.75	0.81	0.23	232	20.4	93	20.2	50.8	6.41
CC-02405		0.32	0.05	12.35	1.6	1170	6.26	0.78	0.32	0.07	205	18.3	94	23.2	64.3	5.8
CC-02406		0.28	<0.01	12.15	2.1	1170	4.96	2.09	0.25	0.09	197.5	26.9	104	27.8	68.7	7.03
CC-02407		0.32	0.11	10.9	3.5	660	5.02	2.7	0.18	0.08	217	17.5	78	20.7	35.2	6.71
CC-02408		0.32	<0.01	11.4	1.9	810	5.29	0.96	0.55	0.21	298	21.5	90	14.95	32.9	4.57
CC-02409		0.22	0.08	8.38	2.3	680	3.69	1.14	1.32	0.28	60.7	18.8	63	12.85	39.5	4.15
CC-02410		0.42	0.08	10.05	15.1	690	7.61	2.65	1.19	0.23	128.5	29.2	130	23	60.8	6.54
CC-02411		0.54	<0.01	8.25	8.5	480	3.7	0.7	2.91	0.13	126.25	47.8	325	25.8	53.2	7.07
CC-02412		0.32	<0.01	10.7	1.4	830	3.36	0.54	0.75	0.7	196.5	16.4	110	23.7	41	6.07
CC-02413		0.22	<0.01	9.46	3.9	800	3.9	0.75	0.69	0.12	177	12.6	97	13.8	28.5	5.26
CC-02414		0.32	<0.01	8.86	5.5	670	3.49	0.42	0.43	0.07	119.25	11.8	86	12.9	23.3	4.71
CC-02415		0.26	0.55	3.91	4.2	420	3.04	0.72	0.27	0.13	31.7	4.3	30	5.35	24.5	2.52

Comments: REE's may not be totally soluble in MS61 method.

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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC-02375		32.9	0.35	0.9	0.078	3.68	98.75	144	0.79	736	1.9	0.57	18.8	51.2	840	45.5
CC-02376		28.7	0.36	0.8	0.07	3.02	109.5	118	1.21	794	1.56	0.63	17.6	71.9	840	36.4
CC-02377		21.7	0.29	0.5	0.052	1.69	74.2	41.5	0.92	714	0.68	0.77	19.2	80.2	1110	21.7
CC-02378		11.7	0.12	0.4	0.027	1.02	29.7	33.6	0.57	237	1.21	0.42	7.1	16.9	2980	13.6
CC-02379		21	0.18	1.1	0.039	1.73	50.4	45.7	0.58	383	1.26	1.05	14.2	23.9	1460	18.4
CC-02380		32.8	0.3	0.7	0.071	3.24	81.6	147	0.49	402	0.92	0.42	15.8	60.8	740	20.2
CC-02381		7.33	0.1	0.6	0.022	0.62	21.2	13.6	0.3	251	0.92	0.4	5.1	17.4	4250	10.2
CC-02382		29.1	0.27	0.7	0.068	2.7	75.7	89.3	1.11	616	0.91	0.72	17.6	47.8	920	26.8
CC-02383		27.2	0.24	1.5	0.054	2.71	73.9	89.9	0.64	497	1.66	0.98	13.6	31.8	850	26.9
CC-02384		29.4	0.27	0.8	0.058	2.55	71.6	85.2	0.65	573	0.92	0.81	20.8	54.8	1100	26.7
CC-02385		22.6	0.14	3.1	0.028	2.43	29.6	45.1	0.43	411	1.82	2.01	8.6	15.8	620	16.8
CC-02386		24.7	0.24	1.7	0.051	2.27	64.1	60.2	0.95	445	1.72	1.18	13.2	20.1	1130	25.8
CC-02387		28.3	0.31	0.7	0.071	3.13	86.3	132	1.02	555	1.44	0.6	17	46	820	28.4
CC-02388		29.6	0.29	0.7	0.068	2.92	78.6	180	1.48	729	1.44	0.89	17.2	77.3	1120	28.1
CC-02390		25.7	0.26	0.6	0.052	2.31	71.2	112	1.06	527	1.21	1.15	14.4	52.3	1160	21
CC-02391		23.6	0.23	1.2	0.046	2.01	68.7	44.1	0.61	410	0.97	0.98	15.9	21.8	1090	21.9
CC-02392		26.2	0.24	1.3	0.052	2.1	71.2	52.6	0.63	6580	1.7	0.82	20.3	25.4	850	35.8
CC-02393		31.5	0.34	0.7	0.071	2.64	92.25	100	1.23	771	0.69	0.97	17.6	47.9	690	31.2
CC-02394		23.3	0.16	2	0.037	2.14	32.5	172	0.67	780	1.7	1.42	12	24.8	1060	18.4
CC-02395		28.1	0.23	0.7	0.061	2.44	58.7	161.5	1.34	566	1.28	0.74	20.9	48.2	1000	21.7
CC-02396		29.1	0.25	0.7	0.054	2.41	59	305	0.79	560	1.17	0.55	19.2	38.7	860	22.6
CC-02397		27.4	0.17	1.9	0.051	2.6	30	171	0.86	474	1.36	1.3	14.3	34.2	800	19.4
CC-02398		27.5	0.21	1.2	0.064	2.68	37	97.4	0.82	1320	1.88	0.77	13.6	44.6	1290	28.5
CC-02399		35.3	0.35	0.8	0.087	4.38	85.25	110.5	1.04	689	1.19	0.68	19.4	48.3	860	25.5
CC-02400		33.7	0.4	0.9	0.072	4	115.5	134	0.99	757	1.12	0.76	19.8	54.8	1320	31.9
CC-02401		24.9	0.23	1.1	0.06	2.2	58.7	94.6	1.05	1755	1.22	0.94	17.4	66.4	1660	23.6
CC-02402		23.4	0.22	0.9	0.058	2	51.6	83.5	0.95	586	1.12	0.85	14.7	42.7	1280	22.1
CC-02403		33.9	0.42	1	0.078	3.25	120.75	143.5	1.14	775	0.94	0.71	19.4	64.2	930	24.4
CC-02404		32.8	0.43	0.5	0.066	2.52	117.5	210	1.13	715	1.1	1.07	17.9	61.2	840	38
CC-02405		34.7	0.4	0.4	0.085	4.09	105.75	166.5	0.68	979	1.24	0.51	16.5	43.9	710	40.5
CC-02406		36.2	0.42	0.6	0.09	4.46	96.75	164.5	1.09	822	1.64	0.5	20.1	55.3	900	32
CC-02407		31.8	0.39	0.9	0.06	3.08	107.5	114	0.49	475	1.76	0.46	21.6	47.2	1000	35.1
CC-02408		38.4	0.44	1.4	0.072	2.9	148.5	98.2	0.42	544	1.81	1	29.8	60.9	750	31.7
CC-02409		23.4	0.17	1.9	0.043	2.08	36	68.3	0.99	443	1.37	1.34	11.4	42.8	810	21.4
CC-02410		35.3	0.36	0.7	0.082	3.4	84.6	144.5	1.44	857	1.56	0.71	26	89.4	1020	37.2
CC-02411		28.3	0.33	0.6	0.07	2.02	61.7	150.5	3.34	1010	0.84	0.91	26.3	214	990	20.1
CC-02412		36.2	0.41	0.6	0.076	3.55	94.25	145.5	1.43	715	1.34	0.93	21.6	47	920	22.5
CC-02413		31.2	0.34	1	0.06	2.69	95.1	103	1.16	577	1.22	1.22	21.2	28.9	740	29.4
CC-02414		30.4	0.27	0.9	0.054	2.38	69.2	112	1.61	408	0.77	1.22	17	38.4	710	18.4
CC-02415		7.8	0.07	0.6	0.028	0.52	15.6	25.4	0.26	146	1.01	0.19	4.9	21.9	2830	15.6

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC-02375		249	<0.002	0.07	1.04	2	6.9	100.5	2.05	0.05	43.8	0.464	1.26	13	107	3.2
CC-02376		217	<0.002	0.13	0.81	2	6	111.5	1.58	0.05	42.4	0.492	1.08	12.6	113	3.7
CC-02377		107	<0.002	0.19	0.2	3	12.4	768	1.35	0.06	19.4	0.395	0.52	4.7	53	2.2
CC-02378		74.1	<0.002	0.34	0.59	2	1.5	99.8	0.59	<0.05	11.5	0.219	0.42	7.3	47	0.7
CC-02379		110	<0.002	0.12	0.63	2	3.4	165.5	1.19	0.06	19.2	0.363	0.54	7.5	84	2.5
CC-02380		207	<0.002	0.07	4.09	2	5.1	68.3	1.41	<0.05	35.1	0.445	1	8.7	107	2.9
CC-02381		45.8	<0.002	0.3	0.63	2	1.3	100	0.43	<0.05	7.5	0.153	0.27	5.2	35	0.6
CC-02382		161	<0.002	0.07	0.64	2	4.9	108.5	1.53	0.06	27.4	0.495	0.88	6.6	103	2.4
CC-02383		176.5	<0.002	0.06	1.18	2	5.7	228	1.73	0.07	27.5	0.372	0.86	7.8	86	3.2
CC-02384		200	<0.002	0.06	0.28	2	5.9	85	1.88	0.06	25.9	0.459	1	9.8	91	2.5
CC-02385		108.5	<0.002	0.05	1	1	2.6	414	0.9	<0.05	10.1	0.228	0.55	5	42	1.6
CC-02386		138.5	<0.002	0.17	0.44	2	3.6	277	1.15	0.06	23.3	0.427	0.71	7.2	104	1.9
CC-02387		214	<0.002	0.06	0.96	2	5.9	95.7	1.77	0.05	33.6	0.449	1.39	11.9	91	3.3
CC-02388		254	<0.002	0.08	1.12	2	9.2	118	2.14	0.05	28.8	0.533	1.5	17.5	125	4
CC-02390		166.5	<0.002	0.09	0.62	2	4.1	146	1.34	0.07	25.2	0.397	0.8	9.6	87	1.4
CC-02391		129.5	<0.002	0.08	0.62	2	4	134	1.48	0.05	26.8	0.449	0.66	5.3	95	1.8
CC-02392		169	<0.002	0.05	0.82	2	4.8	119.5	1.8	0.08	26.5	0.503	1.49	5.7	111	2.1
CC-02393		160.25	<0.002	0.02	0.38	2	3.9	144	1.55	0.06	41.8	0.508	0.9	7.2	107	1.7
CC-02394		138	<0.002	0.07	0.44	2	3	309	1.08	0.05	11.5	0.342	0.67	6.9	70	1.8
CC-02395		177	<0.002	0.07	0.41	2	5.7	120	1.8	0.05	22.1	0.627	0.91	5	130	2.8
CC-02396		198	<0.002	0.05	0.34	2	5	119	1.73	<0.05	22.4	0.499	0.92	5.6	97	2.7
CC-02397		168.5	<0.002	0.08	0.55	2	4	304	1.33	0.05	10.5	0.398	0.79	5.5	83	2.3
CC-02398		172	<0.002	0.17	0.6	2	4.1	167	1.26	0.08	11.4	0.381	0.99	10.3	83	2.2
CC-02399		234	<0.002	0.14	0.33	2	5.9	136.5	1.73	0.07	35.6	0.56	1.13	11	113	3.5
CC-02400		269	<0.002	0.18	1.2	3	8.6	118	2.3	0.08	45.6	0.492	1.31	14.3	101	3.4
CC-02401		189.5	<0.002	0.1	0.95	2	5.4	140.5	1.69	0.05	22.8	0.448	0.94	7.3	101	2.3
CC-02402		182.5	<0.002	0.13	1.3	2	4	153	1.37	0.06	18.1	0.404	0.78	11.3	92	1.7
CC-02403		238	<0.002	0.03	0.46	2	6.6	109	2.1	0.05	50.6	0.537	0.99	12	113	2.7
CC-02404		190	<0.002	0.03	0.22	2	3.7	170.5	1.49	0.13	48.3	0.534	0.82	8.9	99	1.6
CC-02405		266	<0.002	0.23	0.19	3	6.6	121	1.51	0.12	43.5	0.482	1.42	8.1	93	5.1
CC-02406		275	<0.002	0.34	0.15	2	6.3	107.5	1.82	0.11	44.6	0.559	1.49	8.9	107	4
CC-02407		266	<0.002	0.09	0.59	2	9	69	2.16	0.05	41.6	0.5	1.4	13.7	100	6.6
CC-02408		199.5	<0.002	0.03	0.35	2	12.8	126.5	2.94	0.06	56.4	0.735	1.18	14.2	141	5
CC-02409		136.5	<0.002	0.12	0.38	2	3.3	342	1.12	<0.05	8.8	0.379	0.6	4.7	87	1.6
CC-02410		229	<0.002	0.09	0.31	2	7.6	261	2.6	0.07	30	0.569	1.24	8.6	120	3.6
CC-02411		91.4	<0.002	0.03	0.2	2	3.9	459	1.81	0.05	20.2	0.706	0.89	4.4	152	2
CC-02412		240	<0.002	0.1	0.21	2	3.6	141.5	1.61	0.07	43.4	0.592	1.1	5.7	118	1.5
CC-02413		229	<0.002	0.08	0.37	2	4.5	154	1.8	0.07	33.7	0.588	0.92	6.5	122	1.8
CC-02414		173	<0.002	0.07	0.26	2	4	136	1.49	<0.05	31.6	0.518	0.8	6.8	103	1.4
CC-02415		42.3	<0.002	0.27	0.45	2	1.4	49.6	0.53	<0.05	4.9	0.14	0.32	14.4	35	0.7

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC-02375		20.5	145	38.9
CC-02376		22.9	127	33.4
CC-02377		43.1	99	15.6
CC-02378		11.6	51	16.8
CC-02379		13.4	62	46.7
CC-02380		17.5	114	27.2
CC-02381		10.9	40	22.3
CC-02382		16.2	96	25.7
CC-02383		16.2	92	57.4
CC-02384		13.8	96	28.5
CC-02385		9.4	66	129
CC-02386		15.6	82	71.8
CC-02387		18.8	112	23.9
CC-02388		21.9	122	22.9
CC-02390		14.4	108	22.8
CC-02391		13.9	57	49.5
CC-02392		15	71	49.8
CC-02393		20	101	26.7
CC-02394		12.4	74	83.5
CC-02395		17.1	104	23.3
CC-02396		12.8	89	25.9
CC-02397		12.9	100	79.8
CC-02398		17.2	90	51.3
CC-02399		19.6	118	28.7
CC-02400		25.9	134	34
CC-02401		15.6	105	39.3
CC-02402		20	93	35.9
CC-02403		21.5	134	34.7
CC-02404		18.2	124	18.4
CC-02405		25.8	118	14
CC-02406		21.5	142	20.5
CC-02407		18	106	32.8
CC-02408		27.2	99	52.3
CC-02409		17.6	85	77.3
CC-02410		31.4	140	22.6
CC-02411		29.6	122	16.1
CC-02412		19.9	122	21.1
CC-02413		15.7	88	40.1
CC-02414		11.6	98	35.3
CC-02415		11.4	35	25.6

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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
CC-02416		0.32	<0.01	10.55	3.9	930	3.51	1.09	0.36	0.04	164	9.1	84	15.7	25.4	4.31
CC-02417		0.30	<0.01	12.4	4.8	1080	4.22	0.91	0.26	0.05	173.5	20.1	102	22.1	53.1	6.67
CC-02418		0.36	0.51	11.35	16.2	1000	6.11	1.58	0.2	0.12	144	30	90	15.25	36.8	6.37
CC-02419		0.38	0.21	10.15	7.1	680	3.19	0.55	0.12	0.05	187.5	14.7	77	11.2	28.5	4.75
CC-02420		0.36	0.04	8.24	1.9	900	1.81	0.16	1.89	0.08	33.8	6.1	8	1.75	16.6	2.21
CC-02421		0.26	<0.01	10.65	2.2	930	4.4	0.96	0.61	0.11	218	24.2	94	16.8	56	6.68
CC-02422		0.38	<0.01	10.55	2.1	920	4.51	0.84	0.69	0.12	249	25.2	117	22	63.4	7.51
CC-02423		0.34	<0.01	7.78	3.2	580	3.31	0.5	2.62	0.33	116	17.5	82	9.87	27.4	4.14
CC-02424		0.28	<0.01	7.46	2.7	760	2.2	0.46	0.92	0.12	123	6	74	10.65	12.3	2.67
CC-02425		0.44	<0.01	8.1	6.5	720	3.13	1.21	0.78	0.08	161.5	10.2	104	10.65	20.5	3.59
CC-02426		0.22	<0.01	11.05	3.7	1370	2.71	0.68	0.3	0.04	252	5.1	94	5.32	35.7	4.54
CC-02427		0.34	<0.01	8.27	4.6	800	2.84	1	0.91	0.1	195.5	8.2	83	13.05	24.7	4.1
CC-02428		0.28	0.07	10.05	5	810	3.84	0.93	0.65	0.17	64.6	16.2	110	21.3	39.6	6.04
CC-02429		0.36	<0.01	9.85	5.4	840	4.86	2.73	0.73	0.24	187.5	28.3	114	21.5	44.4	6.86
CC-02430		0.36	<0.01	9.43	3.4	730	4.21	0.57	1.02	0.1	144	23.9	84	16.25	44.9	5.88
CC-02431		0.28	<0.01	9.78	1.1	830	3.25	0.5	0.59	0.05	230	14.3	95	12.3	53.3	6.1
CC-02432		0.32	0.02	8.36	1.4	550	3.11	1.54	2.98	0.24	87.1	28.6	55	7.32	27.3	4.62
CC-02433		0.24	<0.01	6.16	3.1	600	2.13	0.5	0.59	0.17	113.5	5.3	61	7.57	15.1	2.31
CC-02434		0.26	<0.01	11.2	1.7	1230	6.19	0.47	0.08	<0.02	267	4.7	112	30.9	45.9	5.98
CC-02435		0.26	<0.01	7.4	2.6	880	2.37	0.43	0.74	0.14	129.5	5.2	60	7.21	14.3	2.12
CC-02436		0.30	<0.01	8.08	9.2	780	3.24	0.86	0.78	0.08	169	10.3	87	12.2	24.4	4.83
CC-02437		0.34	<0.01	8.3	7.5	790	3.63	0.48	0.87	0.18	129.5	19.1	102	8.65	22.2	4.5
CC-02438		0.40	<0.01	8.57	7.3	910	3.08	0.53	0.68	0.13	145	14.3	102	9.87	22.6	5.33
CC-02439		0.26	<0.01	11.9	2.1	1000	3.74	0.64	0.15	0.11	228	24.2	108	21.2	55.1	7.14
CC-02440		0.34	0.2	8.93	4.5	470	3.72	0.64	0.26	0.09	106.5	19.7	75	17.25	31.6	5.71
CC-02441		0.40	<0.01	9.55	3.5	790	5.51	0.84	0.45	0.04	180	15.7	97	21.7	38.2	5.73
CC-02442		0.34	<0.01	9.37	4.5	760	4.99	0.8	0.6	0.07	133.5	16.6	92	17.05	33.4	5.49
CC-02443		0.32	<0.01	9.46	3.4	810	5.23	0.94	0.83	0.08	135	16.2	90	18.35	31.9	5.29
CC-02444		0.38	<0.01	8.72	5.2	740	5.92	1.12	1.39	0.14	174	17.7	84	15.9	33.4	5.38
CC-02445		0.32	0.05	8.92	7	810	3.79	0.68	1.07	0.09	146.5	16	73	11.85	38.1	5.17
CC-02446		0.36	0.02	10.8	7.9	830	4.65	0.56	0.22	0.11	204	24.8	80	13	53.4	7.44
CC-02447		0.42	<0.01	9.1	5.5	770	4.09	0.89	0.85	0.16	125	17.1	87	17.45	38.2	5.3
CC-02448		0.12	0.08	5.7	3.5	560	2.58	0.42	1.17	0.45	53.6	12.6	48	11.05	23.2	2.86
CC-02449		0.44	<0.01	8.88	4.9	830	8.19	0.73	1.51	0.12	122	21.4	146	28.6	39.2	5.61
CC-02450		0.28	<0.01	8.7	5.5	700	4.72	1.26	0.88	0.09	111.5	13.1	77	15.1	25.8	4.58

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
CC-02416		36.4	0.28	1.1	0.07	3.02	83.7	75.1	0.57	518	1.4	0.58	25.4	24	690	26.8
CC-02417		34.9	0.41	0.5	0.08	3.65	84	116.5	0.84	1180	0.88	0.44	17.2	51.7	830	37.9
CC-02418		33.1	0.32	0.9	0.077	4.1	71.5	79	0.69	1340	1.14	0.28	19.4	60	530	47.5
CC-02419		29.5	0.29	1.2	0.068	2.76	92.9	97.3	0.31	288	1.34	0.26	17.7	34.2	670	24
CC-02420		19.1	0.11	4	0.015	2.11	17.8	21.3	0.65	409	1.6	2.69	6.1	4.9	430	9.5
CC-02421		32.5	0.38	0.8	0.09	3.77	111	103.5	1.32	693	1.38	0.61	20.3	47.2	850	28.1
CC-02422		34.4	0.48	0.8	0.092	4	118.25	137	1.69	710	0.95	0.59	23	45.1	860	29.5
CC-02423		20.4	0.23	0.9	0.048	1.5	56.8	75.8	1	988	0.55	0.8	16.6	50.8	1050	17.2
CC-02424		25.6	0.19	1.6	0.055	2.04	62.5	40.7	0.62	336	1.04	1	21.6	17.7	1000	16.8
CC-02425		25.6	0.27	1.3	0.052	2.17	83.1	62.1	0.97	371	0.98	0.96	17.6	35.5	570	22.9
CC-02426		39.7	0.37	1.2	0.095	4.52	124.5	77	0.95	317	1.12	0.74	24	10.6	760	18.8
CC-02427		30.9	0.31	1.4	0.065	2.34	97.7	49.8	0.78	361	1.4	0.8	36.4	26.1	1600	32.4
CC-02428		29.4	0.21	1.1	0.075	2.76	32.7	77.9	1.34	588	1.96	0.77	19.5	44	1120	27.3
CC-02429		30.5	0.38	0.8	0.088	3.29	83.75	96.4	1.56	1030	1.82	0.72	23.9	61.5	1200	39.3
CC-02430		26.4	0.3	1	0.067	2.57	71.6	116	1.43	832	1.84	1.16	16.8	48	1080	20.5
CC-02431		29.3	0.41	0.6	0.075	3.25	111	142	1.65	543	1.1	1.03	16.9	30.3	780	17.4
CC-02432		22.5	0.2	1.2	0.048	1.7	42.3	35.2	0.93	781	0.68	1.14	16.2	33.3	960	16.4
CC-02433		21.2	0.2	1.3	0.04	1.52	56.7	35.2	0.41	270	0.9	0.78	18	17.8	1060	16.2
CC-02434		35	0.45	0.7	0.081	4.83	135.5	143.5	1.47	357	0.98	0.57	21.5	9.9	680	16.9
CC-02435		24.6	0.2	2	0.046	1.98	66.1	39.8	0.47	239	0.98	1.09	18.1	13.8	800	18
CC-02436		29.3	0.31	1.1	0.056	2.28	86.1	63.1	0.89	586	1.18	0.91	19.1	30	710	27
CC-02437		23.6	0.24	1.1	0.057	2.11	63.7	84.7	0.99	729	0.93	1	15	47.1	800	22.4
CC-02438		24.8	0.27	1.4	0.064	2.1	71.8	81.2	1.1	564	1.41	0.76	17	37.6	770	24.5
CC-02439		34.2	0.43	0.7	0.086	3.51	116	169	0.53	456	1.6	0.41	18.7	61.2	600	41
CC-02440		24.1	0.25	0.5	0.057	1.91	51.5	121.5	0.67	582	0.66	0.26	12.5	48.8	510	26.2
CC-02441		28.3	0.35	0.7	0.067	2.4	93.6	143.5	0.96	696	0.91	0.58	18.6	40.1	970	26.3
CC-02442		26.8	0.28	0.9	0.059	2.24	66	140.5	0.88	776	0.92	0.75	16.6	43.8	910	24.7
CC-02443		26.9	0.26	1.1	0.059	2.42	67.4	103.25	0.94	724	1.06	0.85	17.4	38.1	980	24.6
CC-02444		24.7	0.35	1.4	0.055	2.25	85.9	94.3	1.13	633	1.37	1.08	18.4	47.4	1280	24.6
CC-02445		25.9	0.33	1.4	0.063	2.52	74	83.3	1.02	478	1.62	0.91	14.6	39.5	850	24.1
CC-02446		29.4	0.38	0.9	0.071	2.86	92.75	113	0.6	568	2.52	0.51	15.9	67.9	860	33.3
CC-02447		23	0.27	1.2	0.06	2.08	61.8	90.3	1.16	744	1.4	0.94	18.5	40.5	1520	31.1
CC-02448		15.5	0.15	1.6	0.034	1.18	28.6	35.6	0.61	501	1.09	0.91	8.8	23.8	1600	13.2
CC-02449		26.1	0.28	0.9	0.067	2.33	69.3	130	1.71	887	0.71	0.94	26	91.7	1020	20.7
CC-02450		24.6	0.25	1.1	0.05	1.88	54.7	144.5	0.85	592	0.79	0.86	15.4	40.6	930	20

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC-02416		184	<0.002	0.05	0.46	2	8	123.5	2.16	0.06	28.8	0.597	0.95	5.9	119	6.7
CC-02417		215.5	<0.002	0.13	0.23	2	5	91.3	1.47	0.08	40	0.489	1.1	7	99	3.8
CC-02418		292	<0.002	0.06	0.78	2	7.9	65.1	2.03	0.07	28.4	0.485	1.67	6.7	92	6.6
CC-02419		181	<0.002	0.04	0.34	2	7.1	68.2	1.56	<0.05	36.1	0.473	0.86	6.1	100	9.3
CC-02420		54.2	<0.002	0.02	0.47	1	0.9	585	0.57	<0.05	5.7	0.24	0.26	2.3	46	0.6
CC-02421		245	<0.002	0.27	0.16	2	5.8	157	1.83	0.07	42.6	0.522	1.28	9.8	113	3.3
CC-02422		259.5	<0.002	0.27	0.13	2	6.3	161.5	2.06	0.05	55.3	0.626	1.44	11.6	130	3.1
CC-02423		117	<0.002	0.12	0.4	2	3.9	457	1.37	<0.05	18.4	0.407	0.52	4.8	76	1.5
CC-02424		122	<0.002	0.07	0.62	2	5.5	148.5	1.8	<0.05	22.2	0.512	0.55	4.3	102	2.3
CC-02425		133	<0.002	0.04	0.69	2	5.2	102.5	1.56	0.05	29	0.449	0.69	6	110	2.3
CC-02426		186.5	<0.002	0.18	0.42	2	5.9	93.2	1.89	0.12	47.6	0.673	0.84	7.9	137	2.7
CC-02427		153	<0.002	0.11	0.57	2	8.3	144	2.84	0.07	37.1	0.705	0.8	7.4	123	4.8
CC-02428		211	<0.002	0.14	0.33	2	6	161	1.69	0.06	12.2	0.532	1	4.6	117	5.2
CC-02429		226	<0.002	0.15	0.29	2	7.7	137.5	1.89	0.06	39.1	0.629	1.3	8.7	122	25.3
CC-02430		181.5	<0.002	0.19	0.36	2	5	226	1.47	0.05	25.9	0.485	0.86	8.4	110	2.4
CC-02431		199	<0.002	0.41	0.08	2	3.7	170.5	1.49	0.06	47.6	0.508	1.02	8.8	112	2.2
CC-02432		95	<0.002	0.11	0.31	2	10.2	511	1.2	<0.05	14	0.396	0.45	3.5	67	2
CC-02433		86.6	<0.002	0.08	0.51	2	4.3	106	2.97	0.05	20.6	0.407	0.54	4.3	83	1.9
CC-02434		274	<0.002	0.16	0.1	3	15.8	69.4	1.8	0.07	54.7	0.618	1.45	8.4	110	3
CC-02435		95	<0.002	0.05	0.57	2	5.1	184.5	1.55	<0.05	23.6	0.5	0.52	4.6	102	2.2
CC-02436		158	<0.002	0.05	0.81	2	5.3	143	1.74	0.07	32.6	0.519	0.78	5.6	123	2.4
CC-02437		144.5	<0.002	0.03	0.66	2	4.2	130.5	1.31	0.05	24.2	0.418	0.77	5.2	98	2
CC-02438		138.5	<0.002	0.04	0.8	2	4.2	111.5	1.42	0.06	25.4	0.479	0.73	5.6	117	2.1
CC-02439		223	<0.002	0.22	0.29	3	4.3	81.2	1.58	0.16	40.9	0.547	1.04	9.1	112	2.4
CC-02440		161.5	<0.002	0.05	0.2	2	2.3	48	1.06	0.07	24.7	0.383	0.81	5.4	76	0.9
CC-02441		202	<0.002	0.08	0.22	2	6	103	2.04	0.06	33.3	0.509	1.14	8.6	98	7.1
CC-02442		165.5	<0.002	0.07	0.25	2	5.2	129.5	1.59	0.05	24.2	0.469	0.98	6.7	97	2.8
CC-02443		182.5	<0.002	0.06	0.26	2	6.1	167.5	1.71	0.05	24.5	0.472	1	8.2	97	4
CC-02444		173.5	<0.002	0.05	0.33	2	5.5	223	1.79	0.05	31.9	0.51	0.92	11.2	102	3.7
CC-02445		172	<0.002	0.05	0.37	2	3.9	211	1.23	<0.05	27.1	0.454	0.83	9	103	2.2
CC-02446		197	<0.002	0.03	0.27	2	4.2	74.7	1.35	0.05	41.3	0.436	1.06	17	102	2.6
CC-02447		189.5	<0.002	0.1	0.49	2	4.2	149.5	1.56	0.06	23.5	0.468	0.78	10.1	93	2.5
CC-02448		78	<0.002	0.17	0.5	2	2.4	194	0.76	<0.05	8.3	0.27	0.44	3.8	65	1.1
CC-02449		158.5	<0.002	0.03	0.25	2	10.6	252	3.36	0.05	24.9	0.559	0.98	6.7	100	2.8
CC-02450		139	<0.002	0.05	0.37	2	4.9	157.5	1.53	0.05	21.1	0.433	0.76	6.8	91	2.7

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04042402

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC-02416		15.8	66	46.6
CC-02417		22.3	120	20
CC-02418		18.6	119	33.9
CC-02419		13.7	104	48.3
CC-02420		7.8	50	135
CC-02421		22	129	29.1
CC-02422		28.4	138	30.6
CC-02423		23.1	124	34.8
CC-02424		15.6	49	73.8
CC-02425		16.4	56	52.5
CC-02426		16.3	66	51.6
CC-02427		21.9	63	58.5
CC-02428		10.5	124	48.2
CC-02429		25.5	161	30.9
CC-02430		19.4	104	38.7
CC-02431		20.2	91	21.6
CC-02432		24.1	85	47.9
CC-02433		11.6	42	55.4
CC-02434		17.6	94	25.1
CC-02435		13.4	34	87.3
CC-02436		17.9	74	45.5
CC-02437		16.8	95	43.4
CC-02438		15.2	95	56.6
CC-02439		15.4	118	26
CC-02440		16.2	100	19.2
CC-02441		21.9	116	26
CC-02442		17	124	36.1
CC-02443		16.7	109	47.2
CC-02444		20.7	105	57.3
CC-02445		17.9	103	57.3
CC-02446		21.2	143	34.3
CC-02447		16.4	92	49.1
CC-02448		13.2	61	70.6
CC-02449		24.9	112	32.1
CC-02450		15.2	122	45.6

Comments: REE's may not be totally soluble in MS61 method.

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P.O. No.:

This report is for 250 Soil samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2004.

The following have access to data associated with this certificate:

AL ARCHER JOAN MARIACHER	ROB CARNE VANCOUVER OFFICE	DOUG EATON BILL WENGZYNOWSKI

SAMPLE PREPARATION

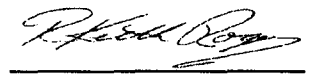
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

To: **EP**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature: 

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
T-27443		0.26	0.12	7.6	14.2		420	4.99	0.75	0.83	0.1	138.5	8.6	27	9.07	9.3
T-27444		0.32	0.1	9.32	11.4		340	4.25	0.56	0.48	0.06	172	7.1	24	5.78	4
T-27445		0.36	0.1	8.34	11.7		390	4.66	0.83	0.62	0.09	174.5	6	35	7.93	6
T-27446		0.32	0.06	8.39	10.1		550	4.35	2.35	1.06	0.11	188	9.1	37	6.58	7.1
T-27447		0.38	0.07	8.21	7.9		570	4.27	0.35	0.89	0.1	170	8.7	36	6.77	6.9
T-27448		0.34	0.02	8.56	14.5		590	3.86	0.28	1.93	0.11	192.5	20.4	49	10.1	15.5
T-27449		0.34	0.07	8.25	7.3		690	4.31	0.6	0.79	0.11	161	6.1	27	5.33	7.8
T-27450		0.40	0.1	7.83	8.2		510	4.52	1.04	0.88	0.18	184.5	8.1	30	5.17	11.1
T-27451		0.30	0.04	7.11	7.6		670	2.8	0.36	0.94	0.15	108	9.1	58	4.74	12.5
T-27452		0.34	<0.01	7.22	5.7		640	2.72	0.25	0.73	0.1	140	5.7	42	3.41	8.4
T-27453		0.44	0.06	6.92	6.5		610	2.48	1.21	0.81	0.26	113	5.7	39	3.16	8.1
T-27454		0.38	0.08	5.57	5.3		540	2.69	0.28	0.74	0.21	111.5	4.8	39	3.61	8.2
T-27455		0.42	0.06	7.38	8.8		640	3	0.41	0.62	0.27	118	8.6	44	4.82	12
T-27456		0.36	0.05	8.64	9.8		850	3.03	0.24	1.4	0.18	165	18.9	94	7.92	19.5
T-27457		0.40	0.07	8.75	18.8		640	2.93	0.26	3.55	0.21	133.5	20.1	59	6.75	21.2
T-27458		0.30	0.17	8.31	1.9		620	2.75	0.67	1.76	0.04	145	26.8	75	5.74	113
T-27459		0.32	0.1	7.41	3.1		650	1.85	0.18	1.94	0.08	65.3	13.8	35	3.66	22.1
T-27460		0.46	0.06	8.22	6.2		710	2.83	0.33	1.54	0.19	107.5	18.4	73	5.48	26.2
T-27461		0.36	0.1	7.45	5.8		710	2.37	0.31	1.51	0.18	105	10	69	4.86	14.7
T-27462		0.34	0.03	8.44	5		820	2.64	0.2	1.5	0.18	129	19.3	93	4.96	22.2
T-27463		0.42	0.13	6.68	4.1		720	2.17	0.29	1.12	0.14	85.9	10.7	65	5.19	16
T-27464		0.26	0.09	8.53	9.8		530	3.42	0.7	1.2	0.1	134.5	6.7	34	6.87	8.7
T-27465		0.24	0.07	8.37	8.1		580	3.06	0.62	1.44	0.11	102.5	7	28	6.02	11.3
T-27466		0.34	0.28	5.78		6	440	1.45	0.33	13.6	0.44	99.8	13.3	39	2	22.4
T-27467		0.40	0.08	8.84	13.4		440	4.03	0.37	2.69	0.11	199.5	13.9	60	5.9	10.1
T-27468		0.32	0.18	8.87	39.2		680	3.44	0.38	4.63	0.17	167	24.5	97	8.71	26.4
T-27469		0.44	0.13	8.89	14.7		590	3.1	0.32	7.58	0.14	161	23.8	88	9.01	24.9
T-27470		0.38	0.24	8.43		30	470	2.18	0.39	10.85	0.25	121.5	31.4	58	2.99	53.8
T-27471		0.38	0.12	8.48	8.5		630	3.64	0.29	4.82	0.11	156.5	22.6	81	12.5	22.5
T-27472		0.32	0.07	8.28	10.1		700	4.18	0.4	2.43	0.25	250	14.3	63	7.02	18.4
T-27473		0.28	0.16	7.43	16		610	3.64	0.41	3.17	0.13	170	22.2	65	9.11	18.3
T-27474		0.42	0.1	8.41	12.5		690	3.16	0.27	2.78	0.17	196.5	18.2	65	7.52	23.7
T-27475		0.38	0.19	9.02	12.1		790	2.98	0.43	2.65	0.22	152	18.9	74	8.02	31.1
T-27476		0.30	0.06	8.44	2.9		570	2.91	0.3	0.87	0.18	119.5	15.2	82	5.26	18.2
T-27477		0.30	0.19	7.04	5.9		590	2.69	0.47	1.01	0.2	126.5	24.5	62	6.29	20.2
T-27478		0.34	0.1	6.93	4.9		690	2.52	0.33	1.56	0.29	122.5	21.2	57	5.78	15.8
T-27479		0.36	<0.01	8.02	4.7		770	2.75	0.25	1.1	0.2	107.5	12.8	73	4.48	19.7
T-27480		0.32	<0.01	8.18	4.3		720	2.55	0.34	1.26	0.22	96.2	11	74	5.19	18.5
T-27481		0.32	0.05	7.9	4.2		660	2.96	0.32	1.04	0.14	116.5	10.8	69	6.44	20.2
T-27482		0.28	<0.01	8.28	3.2		630	3.28	0.31	1.35	0.17	108.5	14.5	63	4.88	17.7

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27443		3.35	32	0.22	1.1	0.109	2.65	75.4	46.4	0.62	730	2.14	1.1	26.5	10.5	710
T-27444		3.06	29.6	0.23	0.9	0.074	2.46	85.7	25.9	0.46	444	2	3.11	21.8	8.3	810
T-27445		3.43	29.9	0.26	1.3	0.098	2.93	84.6	31.8	0.61	401	2.37	1.49	27.7	9.7	1140
T-27446		3.36	28.7	0.25	1.4	0.072	2.37	92.6	55.9	0.91	535	1.1	2.37	27.6	12.3	870
T-27447		3.3	28.5	0.24	1.2	0.076	2.44	83.7	57	0.91	509	1.07	2.21	26.6	12	800
T-27448		5.54	27.9	0.29	1.1	0.086	2.16	95.3	66.2	1.77	961	1.22	2.38	36.1	15.2	1280
T-27449		3.21	26.8	0.23	1.5	0.08	2.43	80.2	59.3	0.59	568	1.07	2.02	25.8	11.4	850
T-27450		3.41	28.8	0.25	2	0.095	2.19	88.6	73.1	0.63	680	1.43	1.91	31.7	13.6	980
T-27451		3.16	22.3	0.21	1.8	0.071	2.24	52.9	34.4	0.86	459	1.44	1.45	21.6	22.6	830
T-27452		2.36	21.4	0.22	2	0.058	2.29	68	26.6	0.63	263	1.06	1.93	24.5	15.4	640
T-27453		2.4	19	0.21	1.7	0.057	2.66	55.4	26.1	0.57	307	1.18	1.76	20.9	14.9	770
T-27454		2.24	20.7	0.2	1.7	0.053	1.9	55.6	21.8	0.45	225	1.16	1.62	21.8	12.7	880
T-27455		3.17	23.8	0.21	1.8	0.071	2.18	59	36.6	0.61	451	1.73	1.57	23.3	19	1010
T-27456		5.13	25.3	0.27	1.4	0.075	1.97	82.4	51.3	2.06	704	1.05	1.75	26.4	35.2	880
T-27457		5.93	24.4	0.27	0.9	0.09	1.89	66.2	53.3	1.9	977	0.59	1.65	27.5	30.7	1400
T-27458		11.55	30.1	0.33	0.5	0.074	1.52	78.8	31.1	2.9	275	0.78	1.23	15.2	19.4	610
T-27459		4.08	20.1	0.18	2.3	0.042	1.52	33.2	28.5	1.44	426	1.11	1.9	11.6	17.3	870
T-27460		4.69	22.3	0.24	1	0.067	1.88	52.4	36.9	1.4	664	0.81	1.18	17.9	35.1	770
T-27461		4.16	21.6	0.2	1.3	0.063	1.78	51	29.2	1.07	506	1.02	1.14	19.6	22.1	800
T-27462		4.91	22.7	0.24	1.3	0.07	1.91	63.5	37.6	1.76	699	0.72	1.41	18.8	35	700
T-27463		3.53	19.3	0.2	1.4	0.053	1.63	43.3	24.4	0.94	505	0.94	0.99	16.2	22.4	1910
T-27464		3.42	27.7	0.22	2	0.073	2.47	66	35	0.77	426	2.76	1.68	22.5	9	1040
T-27465		3.29	25.9	0.21	2.2	0.063	2.26	50.4	32	0.77	482	2.55	1.78	18.1	8.8	1100
T-27466		3.68	13.5	0.18	0.7	0.034	1.57	45.5	28.1	0.9	409	0.5	1.23	10	32.4	660
T-27467		4.29	29.1	0.27	1	0.087	2.28	98.1	56.1	1.61	692	1.12	2.09	27.3	23	970
T-27468		6.2	28.2	0.26	0.8	0.089	2.21	89.5	73.9	2.75	836	0.79	1.33	25.3	47.5	850
T-27469		5.9	24.9	0.25	0.8	0.078	2.03	81.9	61.5	3.14	857	0.62	1.28	25.9	45.8	950
T-27470		6.62	21.6	0.23	0.4	0.058	1.36	62.9	20.8	1.52	603	0.49	1.55	14.7	64.1	820
T-27471		6.58	26.6	0.27	0.7	0.086	2.42	77.5	81.5	3.52	823	0.52	1.15	24.9	40.6	730
T-27472		4.43	24.7	0.27	1.5	0.084	2.27	113	54.3	1.57	1005	1.48	1.62	27.1	24.8	1310
T-27473		5.32	23.9	0.26	1.1	0.077	2.14	84.3	64.8	3.25	734	0.83	1.11	27.6	34.8	1430
T-27474		5.15	26.5	0.28	1.1	0.089	2.15	90.75	55.6	1.77	717	0.65	1.6	32.7	35.4	910
T-27475		5.56	25.6	0.23	0.9	0.076	2.14	66.9	57	1.48	670	0.94	1.32	18.4	49.7	810
T-27476		5	23.9	0.22	0.8	0.063	1.72	57.3	33.5	1.16	695	0.63	0.92	17.1	32	700
T-27477		4.49	21.6	0.23	1	0.064	1.33	58.2	31.2	0.82	2870	1.66	0.79	15.6	27.2	2360
T-27478		3.56	22.3	0.2	1.3	0.062	1.58	56.4	23.7	0.81	2370	1.33	1.21	19.4	20.4	2290
T-27479		4.11	24.5	0.24	1.2	0.06	1.99	61.7	30.4	1	580	0.74	1.4	16.9	30.8	730
T-27480		4.42	24.2	0.22	1.2	0.066	2.06	55.9	24.4	1	603	0.99	1.18	19.3	27.6	1480
T-27481		4.28	24	0.25	1.5	0.064	1.68	65.3	32.8	1.06	488	1.18	1.25	21.2	28.1	2150
T-27482		4.4	21.7	0.23	1	0.055	1.54	60.9	37.8	1.12	926	0.53	1.58	16.8	30.3	970

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27443		35.8	163.5	<0.002	0.03	1	1	9.3	162.5	2.36	<0.05	28.5	0.275	0.76	6.9	46
T-27444		27	139.5	<0.002	0.1	0.59	2	7.3	123.5	1.94	<0.05	35.4	0.215	0.61	6.4	31
T-27445		28.9	183.5	<0.002	0.09	0.59	2	9.1	110.5	2.29	<0.05	35.9	0.282	0.75	6.4	39
T-27446		26.1	145	<0.002	0.01	0.5	1	6.8	177	2.21	<0.05	37.4	0.363	0.64	5.3	53
T-27447		25.8	150	<0.002	0.01	0.46	1	6.9	150	2.05	<0.05	33.6	0.337	0.67	4.9	50
T-27448		23.9	145.5	<0.002	0.03	0.32	2	5.7	207	2.34	<0.05	29.6	0.716	0.72	4.3	105
T-27449		37.4	136	<0.002	0.02	0.53	1	7.2	141	2.06	<0.05	35	0.267	0.6	5.2	43
T-27450		68.1	127	<0.002	0.02	0.59	2	8.3	162.5	2.51	<0.05	40.6	0.33	0.6	6.4	54
T-27451		23	120.5	<0.002	0.04	0.86	1	5.2	170.5	1.76	<0.05	22.5	0.356	0.61	3.7	77
T-27452		18	117.5	<0.002	0.02	0.63	1	4.9	147.5	2.05	<0.05	28	0.327	0.57	4	58
T-27453		25.5	127.5	<0.002	0.04	0.83	1	4.3	159.5	1.84	0.07	23.7	0.291	0.62	3.2	55
T-27454		25.3	93.8	<0.002	0.05	0.89	1	4.7	153	1.83	<0.05	24	0.334	0.57	2.8	61
T-27455		28.9	124.5	<0.002	0.06	1.12	1	5.2	138.5	1.85	0.05	27.9	0.34	0.6	3.3	71
T-27456		24.4	112.5	<0.002	0.02	0.67	2	4.3	250	2.77	<0.05	27	0.598	0.65	3.6	113
T-27457		25.8	114	<0.002	0.03	0.38	1	3.8	602	1.87	<0.05	19.3	0.565	0.55	3	71
T-27458		15.8	88.1	<0.002	0.5	0.16	3	3	262	1.09	0.11	20.2	0.378	0.36	3.4	65
T-27459		13.6	61.9	<0.002	0.09	0.43	1	2	447	0.85	<0.05	10.6	0.376	0.33	2.3	75
T-27460		27.1	101	<0.002	0.05	0.57	1	3.1	261	1.32	0.06	18	0.44	0.52	3	80
T-27461		29.7	88.9	<0.002	0.04	0.67	1	3.6	250	1.44	<0.05	18.5	0.479	0.48	2.8	85
T-27462		20.8	98.8	<0.002	0.02	0.47	1	2.9	211	1.34	<0.05	21.1	0.566	0.53	3.2	106
T-27463		21.6	87.2	<0.002	0.09	1	1	3	187	1.23	<0.05	16	0.411	0.5	3.1	83
T-27464		25.8	141.5	<0.002	0.06	0.51	1	6.8	258	1.93	<0.05	27.8	0.321	0.58	3.9	54
T-27465		23.2	121	<0.002	0.07	0.56	1	5.4	326	1.46	<0.05	21.4	0.302	0.51	3.6	53
T-27466		105.5	69.7	<0.002	0.24	0.11	2	1.8	645	0.76	0.05	14.5	0.286	0.38	3.6	41
T-27467		37.5	134	<0.002	0.03	0.49	1	6.8	346	2.02	<0.05	37.5	0.384	0.62	4.3	61
T-27468		42.8	135.75	<0.002	0.1	0.68	2	5.3	712	1.75	<0.05	26.4	0.473	0.69	3.9	88
T-27469		39.6	141	<0.002	0.07	0.4	2	4.5	907	1.76	<0.05	26.6	0.517	0.61	3.6	92
T-27470		34.5	81.5	<0.002	0.55	0.12	1	2.6	959	1.03	0.07	16.4	0.383	0.39	3.3	68
T-27471		28.2	126	<0.002	0.07	0.35	1	3.8	600	1.67	<0.05	23.2	0.489	0.81	3.3	79
T-27472		38	132.5	<0.002	0.04	0.69	2	4.8	408	1.9	<0.05	40.6	0.481	0.61	6.8	75
T-27473		30	134.5	<0.002	0.02	0.39	2	3.8	420	1.87	<0.05	21.8	0.726	0.87	2.9	120
T-27474		30	134	<0.002	0.02	0.57	2	4.1	472	2.27	<0.05	32.3	0.564	0.66	3.8	88
T-27475		39.6	145.5	<0.002	0.11	0.39	1	3.4	496	1.27	0.06	24.8	0.44	0.76	4.4	89
T-27476		24.7	115	<0.002	0.05	0.26	1	2.7	163.5	1.29	0.05	21.2	0.462	0.61	3.3	86
T-27477		32.1	97.5	<0.002	0.17	0.43	2	2.8	170	1.14	0.06	24.8	0.358	0.67	4.4	76
T-27478		33.7	112	<0.002	0.13	0.68	1	3.5	260	1.41	<0.05	20.3	0.403	0.65	3.6	73
T-27479		29.3	110.5	0.002	0.03	0.61	2	3	218	1.38	<0.05	21.7	0.459	0.53	3.6	90
T-27480		26.9	117	<0.002	0.07	0.69	3	3.3	240	1.49	0.05	18.9	0.472	0.5	3.4	93
T-27481		27.3	96.8	0.002	0.08	0.59	3	3.5	192	1.6	<0.05	24.9	0.444	0.51	4.3	87
T-27482		44.9	81.2	<0.002	0.04	0.36	3	3.2	265	1.29	<0.05	20.8	0.411	0.5	3.3	77

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

ALS Chemex

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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27443		2.7	36.5	64	24.6
T-27444		2.2	26.1	53	20.4
T-27445		3	25.5	63	30.7
T-27446		2.3	31.2	61	33
T-27447		2.4	28.7	57	30.2
T-27448		3.6	35.5	92	24.1
T-27449		4.3	27.7	57	38.2
T-27450		3.1	33	74	51.3
T-27451		2	21	72	50.7
T-27452		1.8	22.3	46	54.5
T-27453		1.7	17.4	66	45.9
T-27454		1.8	16.1	52	46.2
T-27455		2.1	18.3	78	49.1
T-27456		1.6	30.8	110	41.2
T-27457		1.1	36.7	112	24
T-27458		0.7	15.7	34	15.6
T-27459		1	13.5	57	74
T-27460		1.9	21.2	79	29.3
T-27461		1.8	19.3	66	38.1
T-27462		1.4	19.4	87	37.7
T-27463		1.3	17.1	60	42.2
T-27464		2.3	19	63	55.6
T-27465		1.9	16.7	67	66.6
T-27466		0.5	19.2	100	18.9
T-27467		2.1	33.9	72	23.5
T-27468		1.5	35.2	112	20.3
T-27469		1.4	34.4	101	21.2
T-27470		0.7	28.4	99	8.3
T-27471		1.1	31.6	110	18.6
T-27472		2	36.2	102	41.3
T-27473		1.3	41.1	94	28.6
T-27474		1.4	36.2	102	28.4
T-27475		1.3	29.6	111	27.1
T-27476		1	14	67	23.3
T-27477		1.2	20.8	76	29.3
T-27478		1.3	20.8	67	37.9
T-27479		1.5	15	83	37.1
T-27480		1.3	15.7	77	34.8
T-27481		1.4	17.6	67	44.2
T-27482		1.1	15.9	74	27.7

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.2	5	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
T-27483		0.34	<0.01	7.78	1.8		580	2.82	0.26	1.56	0.19	88.6	11.4	62	5.89	15.5
T-27484		0.30	<0.01	9.29	3.9		1030	4.21	0.22	1.06	0.08	290	9.5	26	8.1	12.4
T-27485		0.36	0.17	10	7.9		960	3.7	0.46	3.55	0.16	126.5	27.9	101	8.16	50.2
T-27486		0.28	0.12	9.54	10.9		850	3.73	0.45	2.12	0.14	131	25.2	96	9.26	44.7
T-27487		0.28	0.11	9.14	10.7		890	3.44	0.36	3.3	0.12	125.5	23.7	87	7.14	40.9
T-27488		0.42	0.23	11.1	98.8		670	10.95	4.26	0.58	0.18	219	7.3	27	16.85	13.7
T-27489		0.34	<0.01	8.91	3.8		720	10.55	1.44	2.25	0.21	188.5	24.6	105	31.7	16.5
T-27490		0.38	0.1	10.65	1.7		850	3.77	0.56	0.85	0.07	148.5	30	96	9.68	74.8
T-27491		0.36	0.1	12	0.5		910	4.07	0.36	0.64	0.05	135.5	34.7	110	10.65	81.6
T-27492		0.38	0.09	9.02	5.7		970	3.35	0.45	1.28	0.16	137	23.2	90	8.75	41.6
T-27493		0.40	0.04	9.65	12.8		1010	3.45	0.37	1.18	0.17	125.5	21.3	90	7.58	28.1
T-27494		0.40	<0.01	9.37	5.7		1110	3.33	0.35	1.25	0.2	102.5	19.7	92	9.66	29.4
T-27495		0.40	<0.01	11.35	4		1420	3.39	0.31	0.55	0.1	136.5	15.2	106	8.37	35.2
T-27496		0.38	0.06	9.28	4.4		900	3	0.44	1.38	0.26	110.5	17.5	85	6.46	30.7
T-27497		0.24	0.18	5.12	3.4		520	2.07	0.24	2.04	0.32	94.2	16.6	49	3.52	17.8
T-27498		0.36	0.02	9.69	2.8		840	3.14	0.32	1.14	0.1	134	18.8	88	6.1	26.8
T-27499		0.34	0.05	9.84	4.6		960	3.52	0.29	1.2	0.1	130	17.2	86	5.9	27.7
T-27500		0.28	0.09	8.07	2.4		840	1.78	0.21	1.85	0.08	73.7	8.7	25	3.28	22
T-27501		0.32	0.06	8.69	3.7		710	3.08	0.35	1.42	0.13	103	13.5	66	5.16	24.7
T-27502		0.40	0.04	7.99	4.8		780	2.94	0.29	1.42	0.16	99.5	13.3	70	5.78	20.9
T-27503		0.42	<0.01	9.05	3.8		710	3.02	0.36	1.42	0.11	96.3	13.4	68	5.24	23.1
T-27504		0.36	0.03	9.03	2.8		790	2.73	0.24	1.35	0.12	127.5	15.4	77	5.71	19.8
T-27505		0.34	0.07	9.1	4.4		1220	4.28	0.67	3.75	0.21	151.5	16.6	71	8.42	25.9
T-27506		0.34	0.05	9.57	8.5		910	3.51	0.39	2.26	0.17	144	19.6	80	7.31	32.9
T-27507		0.30	0.13	10.05	8.2		950	3.71	0.39	2.19	0.14	148	21.4	85	7.53	34.4
T-27508		0.20	0.02	10	19.1		870	6.26	0.77	2.19	0.23	183	21.5	84	13.6	36.8
T-27509		0.32	0.08	8.65	22.1		690	6.98	0.88	3.12	0.25	195	15.1	64	18.45	23
T-27510		0.28	<0.01	9.24	8.7		420	9.8	1.05	0.88	0.14	185	6.3	10	21.4	8.7
T-27511		0.40	0.03	8.58	19.1		350	4.95	0.41	1.05	0.27	283	14.3	9	16.6	9.1
T-27512		0.36	0.24	8.55	12		590	4.03	0.94	6.27	0.57	169.5	30.1	76	9.56	46
T-27513		0.40	0.23	9.45	8.9		710	6.49	0.69	3.46	0.31	192.5	35.9	98	13.75	49
T-27514		0.36	0.04	9.73	5.1		930	3.56	0.35	1.56	0.13	141.5	16.2	86	6.75	24.2
T-27515		0.30	0.16	7.5	4.8		840	2.96	0.44	1.38	0.19	85.8	13.2	69	6.89	19.5
T-27516		0.40	0.06	8.56	5.6		1040	3.91	0.53	1.72	0.18	144.5	18.2	92	10.85	32.9
T-27517		0.30	0.41	6.95	3.9		580	3.03	0.91	2.8	0.19	97.7	11.8	51	6.77	32.5
T-27518		0.34	0.05	9.07	3.1		880	3.06	0.32	1.1	0.2	122	15	85	6.06	27.2
T-27519		0.16	0.51	5.78	1.2		480	2.05	0.2	0.89	0.16	89.7	8.6	51	3.81	23.5
T-27520		0.32	0.04	8.15	3.2		720	2.99	0.32	1.1	0.15	116.5	14.5	77	5.57	23.1
T-27521		0.42	0.07	8.55	3.8		810	3.06	0.37	2.69	0.2	112	15.2	76	4.71	21.3
T-27522		0.44	0.05	8.73	4.3		780	2.87	0.29	2.34	0.25	140	16.6	69	5.56	22.9

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27483		4.36	23.3	0.22	0.9	0.054	1.44	54.5	34.5	1.12	499	0.38	1.56	16.8	27.6	700
T-27484		4.33	35.8	0.6	0.8	0.1	3.47	175	57.4	1.57	860	0.76	0.51	42.9	13.4	1300
T-27485		5.64	30.9	0.32	0.7	0.084	3.27	71.2	57.4	1.76	733	0.41	1.16	20.1	59.7	990
T-27486		5.63	30.8	0.31	0.7	0.085	3.1	76	57.9	1.93	625	0.48	0.94	20.8	53.7	690
T-27487		5.21	28.9	0.33	0.6	0.078	2.96	66.8	46.5	1.55	756	0.42	1.02	18.3	50.1	810
T-27488		3.47	33.5	0.4	1.9	0.089	3.61	100	142	0.56	757	6.07	0.8	21.3	29.1	950
T-27489		8.14	34	0.51	1.7	0.153	2.74	106.5	167.5	1.94	1645	2.31	1.73	37.3	41.7	1900
T-27490		6.73	30.1	0.32	0.6	0.072	3.25	74.1	57.1	1.63	772	1.52	0.89	16.1	55.5	640
T-27491		6.02	35	0.34	0.3	0.084	3.55	75.3	46.9	1.51	767	0.48	0.7	12.7	68.1	570
T-27492		4.61	27.7	0.3	1.2	0.069	2.73	69.1	38.9	1.22	660	0.69	0.95	18.1	59.9	580
T-27493		4.73	27.4	0.29	1	0.065	2.98	67.3	39.5	1.28	811	0.64	0.98	18.7	50.1	570
T-27494		4.74	27	0.24	1.2	0.069	2.82	56.6	44.4	1.23	752	0.86	1.16	18.1	53.8	610
T-27495		5.03	35.7	0.3	1	0.089	4.3	81.4	42.8	1.1	359	1.14	0.92	19.9	35.9	660
T-27496		4.65	27.3	0.25	1	0.068	2.45	53.8	38.2	1.19	759	0.69	1.19	17.2	41.5	1240
T-27497		2.85	15.85	0.23	0.6	0.046	1.04	64.4	16.6	0.74	1675	0.97	0.77	11.8	21.9	2650
T-27498		5.34	29	0.31	1	0.076	2.31	76.2	38	1.38	766	0.53	1.27	19.3	41.5	740
T-27499		5.21	28.8	0.3	1	0.073	2.64	74.5	39.2	1.38	625	0.68	1.35	21.6	40	810
T-27500		2.79	21.7	0.18	3.2	0.034	2.07	36	23.1	0.86	435	1.26	2.37	9.8	12.6	980
T-27501		4.01	26	0.26	1.6	0.067	2.13	58.4	31.4	0.94	577	0.99	1.6	18.1	29.9	1020
T-27502		4.15	24.3	0.24	1.1	0.066	1.92	56.7	31.5	1.13	503	0.8	1.35	18.3	30	1100
T-27503		4.19	25	0.25	1.3	0.065	2.15	53.5	29.1	0.97	573	0.82	1.53	17.7	27.3	900
T-27504		4.62	25.4	0.29	1.1	0.069	2.02	75	41.4	1.38	552	0.56	1.66	18.4	34.4	650
T-27505		4.63	26.9	0.36	1.4	0.089	2.02	75.7	95.3	1.34	644	0.5	1.72	27.6	36.2	870
T-27506		4.95	29	0.36	0.8	0.075	2.84	82.9	46	1.46	739	0.71	1.12	18.4	45.3	870
T-27507		5.19	29.2	0.32	0.9	0.076	2.95	89.6	46.9	1.55	737	0.62	1.1	19	44.7	860
T-27508		5.65	33.1	0.39	1.1	0.094	3.11	87.5	98.6	1.31	944	2.17	1	25	53.7	960
T-27509		5.24	29.4	0.43	1.8	0.12	2.47	102.5	116.5	1.37	1020	3.49	1.59	28.4	35.9	710
T-27510		3.89	38.2	0.29	4.3	0.21	1.36	85.9	111.5	0.75	514	3.28	2.29	58.9	13.2	770
T-27511		6.14	32.8	0.41	4.2	0.136	1.52	110	83.7	1.36	1795	7.62	4.01	35.2	55.1	470
T-27512		6.03	24.2	0.38	0.9	0.084	1.96	96.1	69.8	1.62	1140	0.93	1.1	22.6	64	950
T-27513		6.27	29	0.38	1.1	0.102	3.15	89.4	89.2	1.48	1575	0.97	0.9	28	72.3	1260
T-27514		5.11	25.1	0.34	1.5	0.069	2.18	78.6	46.6	1.28	734	0.89	1.34	17.6	41.6	680
T-27515		4.01	23.3	0.22	1	0.06	1.96	51.5	31.4	0.83	836	1.14	0.95	17.8	27.8	1740
T-27516		4.81	26.1	0.3	1.4	0.086	2.23	76.6	70.7	1.5	670	0.88	1.32	24.5	47.2	870
T-27517		3.68	19	0.32	1.3	0.061	1.22	79.1	27.3	0.86	794	1.21	0.84	14.4	22.7	2460
T-27518		4.64	26.6	0.28	1	0.071	2.48	71.8	38.5	1.15	654	0.89	1.16	17.8	38.4	1000
T-27519		2.55	15.25	0.2	0.6	0.04	1.06	47.6	23.3	0.72	328	0.44	0.56	9.2	22.1	1880
T-27520		4.38	26.4	0.29	0.9	0.065	2	66.8	37.9	1.07	674	0.68	1.09	17.8	34.4	980
T-27521		4.5	23.8	0.29	1.1	0.07	2.08	66.5	35.8	1.21	748	0.62	1.45	21	33.9	800
T-27522		4.53	23.3	0.29	0.8	0.066	1.98	69.8	42.8	1.22	787	0.57	1.59	22.1	34.1	900

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27483		21.1	91.8	0.002	0.07	0.21	3	2.7	298	1.28	<0.05	17.4	0.412	0.44	2.7	72
T-27484		27	173.5	0.002	0.01	0.33	4	5.2	120	2.91	<0.05	64.5	0.512	0.82	4.6	62
T-27485		45	120.5	0.002	0.06	0.28	3	4.3	465	1.52	0.06	25.3	0.533	1.02	4.1	104
T-27486		43.9	151	0.002	0.04	0.32	3	4.1	360	1.56	<0.05	23.9	0.514	0.96	4.5	99
T-27487		36.6	106	<0.002	0.06	0.34	3	3.7	407	1.72	<0.05	23	0.467	0.82	4.1	91
T-27488		31.4	247	0.002	0.04	2.42	5	15.6	87.9	3.19	0.1	44.4	0.198	1.35	13.9	93
T-27489		14.3	200	0.002	0.02	0.34	6	15.4	183	3.2	<0.05	25.3	0.908	0.96	7.9	152
T-27490		31.4	158.5	0.002	0.13	0.23	3	3.2	125.5	1.43	0.07	25.7	0.481	1.06	4.7	94
T-27491		26	171	<0.002	0.02	0.1	3	3.3	94.7	0.93	<0.05	25.7	0.34	1.05	4.3	108
T-27492		28.6	139.5	<0.002	0.03	0.57	3	3.4	227	1.63	<0.05	21.1	0.472	0.86	4.6	102
T-27493		32.9	148	<0.002	0.03	0.56	3	3.8	226	1.5	<0.05	21.6	0.496	0.85	3.8	100
T-27494		36.5	138	0.002	0.03	0.6	3	3.6	256	1.38	0.05	20.4	0.491	0.9	3.3	110
T-27495		31	193.5	<0.002	0.06	0.43	3	3.9	163.5	1.42	0.08	24.8	0.536	1.06	4.2	121
T-27496		33.8	146	0.002	0.06	0.5	3	3.4	236	1.23	<0.05	20.3	0.46	0.7	3.1	94
T-27497		25.2	56.6	0.002	0.27	0.58	4	2.2	287	0.86	<0.05	16.4	0.27	0.42	2.9	50
T-27498		30.5	118.5	<0.002	0.04	0.33	2	3.2	229	1.6	<0.05	25.2	0.51	0.69	4.3	98
T-27499		31.1	134	0.002	0.04	0.41	3	3.9	259	1.61	<0.05	25	0.51	0.78	4.2	99
T-27500		15.8	72.7	<0.002	0.07	0.5	2	1.6	526	0.8	<0.05	10.2	0.322	0.4	2.9	63
T-27501		27.8	110.5	<0.002	0.05	0.45	3	4.4	361	1.25	<0.05	21.8	0.422	0.55	3.7	74
T-27502		26.5	107.5	<0.002	0.07	0.49	3	3.6	308	1.39	<0.05	19	0.449	0.5	3.2	88
T-27503		25.3	111	<0.002	0.04	0.41	3	4.5	356	1.38	<0.05	19.9	0.422	0.54	3.4	77
T-27504		21.8	114.5	<0.002	0.04	0.34	3	3.4	279	1.39	<0.05	26	0.448	0.61	3.7	87
T-27505		37.5	116	0.002	0.01	0.71	3	6.1	818	2.15	<0.05	31	0.524	0.62	4.4	87
T-27506		34.8	136	0.002	0.04	0.27	3	3.8	373	1.42	0.05	26.2	0.459	0.84	4.7	89
T-27507		34	153	0.002	0.03	0.25	3	4	362	1.61	<0.05	24.9	0.484	0.78	4.4	94
T-27508		32	174	0.002	0.04	1.12	4	7.4	351	2.62	0.05	32.9	0.497	1.08	6.3	104
T-27509		26.1	152.5	<0.002	0.03	1.32	5	10.7	484	2.38	<0.05	36.1	0.455	0.82	9.7	103
T-27510		10	127	0.002	0.03	0.49	4	31.1	98.4	4.28	<0.05	70.9	0.343	0.57	14.3	61
T-27511		7.2	111.5	0.002	0.02	0.83	5	10.6	139.5	2.36	<0.05	77.2	0.402	0.67	20.7	48
T-27512		123.5	141.5	<0.002	0.1	0.98	4	5.5	893	1.71	0.06	25.6	0.481	0.65	4.8	83
T-27513		46.1	181	<0.002	0.03	1.04	3	7.7	673	2.26	<0.05	28.5	0.615	1.22	5.1	103
T-27514		30.6	130.5	0.002	0.03	0.65	3	3.5	302	1.4	<0.05	24.3	0.461	0.65	4.3	104
T-27515		28	143.5	<0.002	0.14	0.76	3	4.2	271	1.49	<0.05	17.1	0.424	0.63	3.4	89
T-27516		28	126	<0.002	0.02	0.81	3	5.1	364	1.87	0.05	26.4	0.497	0.81	3.8	99
T-27517		23.5	83	<0.002	0.19	1.19	4	4.4	451	1.07	<0.05	16.1	0.311	0.43	4.8	65
T-27518		27.7	125	<0.002	0.06	0.45	3	3.5	217	1.4	<0.05	23.4	0.451	0.72	4	92
T-27519		16	67	<0.002	0.26	0.29	3	2	125.5	0.72	<0.05	15.6	0.238	0.4	4.7	45
T-27520		27.7	119.5	<0.002	0.07	0.34	3	3.2	203	1.37	<0.05	24.2	0.452	0.6	4	87
T-27521		35.6	114.5	<0.002	0.02	0.59	3	3.9	515	1.54	<0.05	22.7	0.471	0.61	3.6	86
T-27522		29.8	120.5	<0.002	0.03	0.48	3	3.2	403	1.61	<0.05	26.5	0.448	0.63	3.3	75

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27483		0.9	16.8	95	26.2
T-27484		2.5	53.2	92	18.1
T-27485		3	24.3	114	18.6
T-27486		1.6	23.9	112	17.6
T-27487		1.6	21.6	100	18
T-27488		3.1	50.3	81	49.8
T-27489		3.1	85.9	130	39.3
T-27490		1.2	18.2	136	18.3
T-27491		1.3	16.8	127	8.3
T-27492		1.6	24.5	109	33
T-27493		3.2	20.1	100	28
T-27494		1.9	18.4	110	36.1
T-27495		2.1	14.8	96	29
T-27496		1.6	14.9	103	27.3
T-27497		0.8	19.5	52	17.4
T-27498		1.2	17.2	91	27
T-27499		1.5	18.3	96	30.1
T-27500		0.8	13.8	65	104.5
T-27501		5.4	18.2	77	50.4
T-27502		1.3	16	78	33.3
T-27503		5.9	17.8	78	37.3
T-27504		1.4	17.4	81	31.3
T-27505		4.3	35.5	99	36.5
T-27506		1.5	24.6	95	23.6
T-27507		1.4	24.3	99	23.9
T-27508		5.2	38	131	28.5
T-27509		3.3	61.5	112	48.5
T-27510		3.5	50	49	125
T-27511		1.7	72.1	118	114
T-27512		1.4	35.6	156	22
T-27513		3.2	36.4	148	23.6
T-27514		1.4	18.6	88	41.3
T-27515		2	14.6	76	32.2
T-27516		2	24.5	102	40.7
T-27517		1.1	31.1	73	40.2
T-27518		3.3	15.4	94	29.6
T-27519		0.7	13.6	34	17.1
T-27520		1.2	15.8	93	27
T-27521		4.4	23	91	32.4
T-27522		1.1	23.3	93	23.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
T-27523		0.30	0.05	8.04	3.5		820	2.76	0.46	2.04	0.24	125	11.4	69	6.46	19.7
T-27524		0.32	0.02	8.95	4.8		900	2.95	0.29	1.34	0.15	126.5	14.7	78	5.36	22
T-27525		0.38	<0.01	8.53	5.2		770	2.82	0.39	1.74	0.19	116	11	72	5.83	17.3
T-27526		0.40	0.05	7.95	4.8		810	3.35	0.36	1.67	0.15	105.5	10.9	56	4.88	17.5
T-27527		0.34	0.04	7.53	5.1		660	3.73	0.87	1.56	0.15	77.1	6.6	26	9.12	13
T-27528		0.36	0.02	8.25	6.5		590	4.02	0.66	1.61	0.13	91.9	7.6	45	8.61	11.8
T-27529		0.24	0.05	7.14	2.4		440	4.15	0.28	0.72	0.12	132	4.2	18	6.25	6.1
T-27530		0.10	0.09	7.03	2.9		740	1.93	0.24	1.88	0.11	58.9	6.8	14	2.9	18.2
T-27531		0.08	0.13	8.02	17.6		660	5.84	0.67	2.2	0.59	185.5	14.8	54	11	31.8
T-27532		0.28	0.12	8.39	23.8		700	6	0.8	2.94	0.79	209	19.1	69	11.5	32.9
T-27533		0.42	0.13	8.99	9.1		600	6.54	0.79	3.59	0.26	207	23.5	76	17.5	31.1
T-27534		0.22	0.09	8.41	7.2		580	4.78	0.54	3.69	0.2	149	23.7	80	13.75	29.4
T-27535		0.32	0.24	8.42	9.5		730	3.37	0.61	4.47	0.21	150	19.4	82	8.35	30.4
T-27536		0.36	0.1	7.75	7.4		840	2.75	0.41	2.68	0.17	105.5	14	78	6.02	18.9
T-27537		0.50	0.06	7.31	6.8		770	3.94	0.41	2.1	0.3	111.5	13.4	74	6.26	20.3
T-27538		0.30	0.02	8.44	3.5		790	2.84	0.26	1.08	0.14	110.5	14.2	80	5.57	19.1
T-27539		0.32	<0.01	8.12	3.5		820	2.8	0.26	1.04	0.16	124	13.7	80	5.57	19.2
T-27540		0.30	0.09	7.58	6.7		710	4.02	0.58	1.46	0.34	133.5	19.7	69	8.23	22.8
T-27541		0.46	<0.01	8.37	3.3		860	3.02	0.23	1.31	0.18	132	14.5	77	4.92	20.9
T-27542		0.30	0.05	6.98	2.6		690	2.77	0.35	1.67	0.23	124	11.4	61	6.26	19.8
T-27543		0.40	0.03	7.48	7.7		680	4.66	0.47	1.36	0.17	164	6.8	37	7.11	13.2
T-27544		0.28	0.09	9.96	36.2		660	7.32	1.1	0.72	0.18	178	8.6	37	19.5	19.1
T-27545		0.32	0.06	7.29	5.4		670	3.16	0.38	1.88	0.26	104.5	8.9	41	5.15	17.5
T-27546		0.24	0.12	6.91	4.3		960	3.81	0.31	1.5	0.24	90	11	65	7.51	12.5
T-27547		0.32	0.1	5.4	3.5		660	3	0.32	1.06	0.15	92.7	4.2	36	4.56	9.7
T-27548		0.20	0.1	7.55	1.4		760	1.48	0.15	1.8	0.13	37.5	6.8	9	1.5	18.6
T-27549		0.22	0.1	7.52	3.9		870	3.35	0.3	1.42	0.17	97.6	15.8	65	5.03	24.1
T-27550		0.30	0.07	7.6	12.3		630	4.52	0.6	1.06	0.13	93.6	5.4	34	8.26	9.6
T-27551		0.32	<0.01	6.39	18.8		490	3.38	0.51	0.72	0.13	100	3.3	20	7.82	10.3
T-27552		0.34	0.04	6.67	6.6		510	4.02	0.39	1.1	0.25	84.3	5.7	25	9.82	20.5
T-27553		0.54	0.05	7.66	72.5		470	7.59	1.04	0.53	0.53	230	8.6	21	10.75	20.5
T-27554		0.30	<0.01	7.59	15		460	7.92	0.81	0.73	0.31	197	7.6	19	9.54	11.7
T-27555		0.28	0.02	8.69	24.5		230	6.38	0.33	0.31	0.09	166.5	2.8	7	9.11	8.2
T-27556		0.40	0.07	7.54	148		420	6.21	0.55	0.74	0.25	137	5.1	21	12.7	15.3
T-27557		0.44	<0.01	6.81	11.2		730	4.73	0.59	1.31	0.21	108	9.6	49	6.2	17.6
T-27558		0.42	<0.01	7.01	6.2		690	4.44	9.46	1.47	0.18	103.5	9.6	50	5.44	16.8
T-27559		0.34	<0.01	6.75	10.6		580	4.11	0.4	1.02	0.21	95.5	6.8	47	8.49	15.7
T-27560		0.24	<0.01	7.23	8.5		810	3.64	0.26	1.26	0.19	113	11.4	59	5.47	21.7
T-27561		0.30	<0.01	6.97	8.2		500	3.75	0.22	0.89	0.15	108	7	35	4.41	11.4
T-27562		0.44	<0.01	7.24	5.1		520	3.8	0.16	0.81	0.13	107	5.7	27	4.32	10.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
T-27523		3.99	24.8	0.31	1.3	0.062	2.03	69.9	26.2	0.93	818	0.75	1.23	21.8	25.5	1050
T-27524		4.52	25.7	0.31	1.3	0.073	2.08	75.8	42.3	1.28	552	0.64	1.46	20.7	36.7	730
T-27525		4.67	25.2	0.28	1.2	0.068	1.88	64.8	33.2	0.96	644	0.78	1.28	20.7	27.7	830
T-27526		3.83	21.8	0.27	1.3	0.071	1.86	63.9	33.3	0.89	599	0.98	1.59	20.8	26.9	890
T-27527		3.01	25.6	0.22	2.9	0.057	1.86	33.1	41.2	0.72	579	1.78	2.41	21.8	10.4	950
T-27528		3.73	29.3	0.24	1.8	0.076	1.8	41.3	50.3	0.76	505	1.3	2.02	28.4	17.3	550
T-27529		2.72	26.7	0.21	1.7	0.054	1.34	61.9	50.3	0.88	782	0.98	1.84	21.2	7.4	1260
T-27530		2.34	19.7	0.2	3.3	0.035	1.84	46.2	26.3	0.67	442	1.88	2.26	8.9	9	980
T-27531		4.58	28.6	0.45	2	0.117	2.32	98.6	91.3	1.01	1025	3.15	1.58	26.6	39.1	880
T-27532		5.58	29.4	0.46	1.9	0.129	2.32	107	85.8	1.23	1300	4.03	1.48	28.1	66.2	790
T-27533		6.57	31.1	0.52	1.2	0.123	2.42	114.5	143	1.92	1525	0.9	1.45	34.6	43.6	1140
T-27534		6.12	28.4	0.41	1	0.091	2.41	77.5	157	1.84	1040	0.89	1.47	32.6	44.4	1430
T-27535		5.22	25.5	0.37	1	0.097	2.25	80.2	98.2	1.53	783	0.56	1.61	23.9	45.5	710
T-27536		4.08	22	0.28	1.4	0.084	1.98	64	59.6	1.35	595	0.72	1.42	19.2	34.9	710
T-27537		3.66	23.6	0.26	1.6	0.071	1.86	57.6	60.6	1.48	510	1.08	1.31	19.4	34.1	820
T-27538		4.24	24.4	0.28	1.1	0.066	2.26	65.6	40.5	1.09	670	0.73	1.2	17.2	35.3	610
T-27539		3.99	24.8	0.3	1.3	0.066	2.23	73.9	40.6	1.06	561	0.84	1.17	18.4	35	640
T-27540		4.6	24.4	0.35	1.1	0.07	1.63	80.1	41.9	0.96	2960	0.98	1.02	17.8	32.2	2040
T-27541		4.03	25.5	0.32	1.1	0.069	2.25	76.9	36.9	1.13	703	0.56	1.38	18.4	34.6	680
T-27542		3.75	22.4	0.31	1	0.06	1.48	73.3	34.5	0.88	716	0.72	1.14	17	26.3	1750
T-27543		3.33	26.3	0.46	1.6	0.091	1.98	95.4	40.4	0.64	480	1.28	1.42	27.3	15.5	1270
T-27544		4.7	37.9	0.56	1.5	0.129	2.3	134	113.5	0.65	735	2.19	0.99	19.9	21.5	1210
T-27545		3.16	22.2	0.31	1.6	0.065	1.77	76.3	34.3	0.73	585	0.95	1.6	17.8	19.4	1180
T-27546		3.39	22.6	0.24	1.6	0.07	2.04	53.4	34.9	1.17	431	1.02	1.35	20.5	29.3	1220
T-27547		2.09	19.9	0.22	1.9	0.059	1.64	59.5	22.6	0.37	270	1.02	1.17	22.2	9	1220
T-27548		2.26	19.75	0.16	3.4	0.021	1.74	20.1	18	0.69	383	1.44	2.46	6.6	5.8	730
T-27549		5.48	26.1	0.29	1.6	0.093	1.42	56.7	33.4	1.74	589	1.54	2.22	27.8	24	1000
T-27550		3.32	29.7	0.24	2.3	0.082	1.94	48.4	41	0.58	343	1.98	2.18	26.9	13.8	430
T-27551		2.18	26.1	0.14	2.7	0.066	1.73	40.6	26	0.32	310	2.55	2.08	25.3	8.6	540
T-27552		2.64	24.4	0.15	2.7	0.063	1.59	40.3	35.4	0.6	458	2.46	1.83	20.3	11.4	940
T-27553		3.3	31.4	0.39	3	0.108	2.28	121	78.1	0.4	871	5.48	1.77	28.8	32.4	620
T-27554		3.01	29.2	0.31	2.3	0.103	2.26	91.5	63.7	0.43	944	3.93	2.49	29.7	19.6	500
T-27555		1.8	30.7	0.27	3.4	0.083	1.83	100.5	84.4	0.24	236	2.1	0.97	19.4	7.4	500
T-27556		2.69	25	0.23	3	0.082	2.16	82.9	52.3	0.43	398	3.7	1.25	23	12.1	620
T-27557		2.91	20.1	0.19	2.2	0.072	1.94	54.2	41.1	0.72	427	1.5	1.67	24.1	25.2	630
T-27558		2.64	20.8	0.18	1.6	0.064	2.27	52.9	39.5	0.72	462	1.22	1.68	19.2	24.5	570
T-27559		3.15	23.3	0.18	2.2	0.08	2.24	42.1	37.6	0.66	322	1.56	1.75	25.9	20.5	980
T-27560		3.03	21.2	0.19	2.1	0.066	2.09	60.1	41.7	0.91	389	1.16	1.62	20.5	30.3	520
T-27561		2.15	22.7	0.19	2.8	0.071	1.84	61.5	37.2	0.46	274	0.97	1.94	22.7	16.8	440
T-27562		2.1	24.1	0.16	2.7	0.073	1.92	58.3	24	0.44	330	0.92	2.81	22.5	15	320

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
T-27523		29.6	141	<0.002	0.07	0.89	3	4.3	395	1.65	<0.05	21.8	0.485	0.56	3.8	87
T-27524		28.2	122	<0.002	0.01	0.61	3	3.8	288	1.51	<0.05	26.9	0.488	0.63	3.9	94
T-27525		30.3	101.5	<0.002	0.03	0.73	3	4.1	335	1.61	<0.05	22.1	0.475	0.53	3.7	89
T-27526		26	100.5	0.002	0.05	0.71	3	4.5	347	1.54	<0.05	21.1	0.383	0.53	3.4	71
T-27527		18.9	101	<0.002	0.04	0.68	3	7.6	351	1.97	<0.05	15.5	0.376	0.43	3.5	62
T-27528		22.8	112	<0.002	0.02	0.63	3	6.8	278	2.92	<0.05	19.6	0.42	0.45	3.7	69
T-27529		10	85.3	<0.002	0.08	0.43	3	6	105.5	1.68	<0.05	31	0.284	0.32	4.2	41
T-27530		14.1	58.7	<0.002	0.06	0.71	2	1.9	488	0.64	<0.05	9.9	0.264	0.34	3	52
T-27531		28.3	120	<0.002	0.04	1.42	5	8.3	422	2.04	0.05	34.2	0.423	0.71	10.5	100
T-27532		32.3	133	0.002	0.05	1.5	5	7.6	527	2.08	0.06	37.3	0.451	0.79	8.8	115
T-27533		36	165.5	<0.002	0.05	0.89	5	8.7	553	2.48	0.05	35.5	0.693	0.96	5.5	108
T-27534		31.1	162	<0.002	0.05	0.53	4	6.6	520	2.33	<0.05	24.7	0.728	0.86	4.7	110
T-27535		44.1	136	<0.002	0.03	1.12	3	4.4	970	1.67	0.05	25.6	0.459	0.81	3.8	89
T-27536		24	103.5	<0.002	0.04	1.19	3	4	512	1.4	<0.05	22	0.432	0.65	3.7	92
T-27537		29.7	104.5	<0.002	0.05	1.2	3	4.3	332	1.48	<0.05	18.6	0.411	0.55	3.4	92
T-27538		26.2	127	<0.002	0.03	0.58	3	3.6	223	1.4	<0.05	21.5	0.454	0.66	3.5	88
T-27539		25.9	130	0.002	0.03	0.61	3	3.5	207	1.5	0.05	24.8	0.467	0.7	4	92
T-27540		33.4	116	<0.002	0.1	0.73	4	4.1	238	1.51	0.06	20.5	0.426	0.61	3.9	88
T-27541		27.7	124.5	<0.002	0.02	0.46	3	3.4	249	1.5	<0.05	25.2	0.458	0.62	4.2	87
T-27542		26.6	120.5	<0.002	0.12	0.46	3	3.6	253	1.27	<0.05	20.6	0.394	0.51	3.7	76
T-27543		22.3	122	0.002	0.08	0.71	4	6.8	229	2.46	0.14	25.5	0.318	0.53	4.4	51
T-27544		24.5	144.5	<0.002	0.07	2.08	5	8.5	194	1.7	0.1	31.2	0.278	0.82	5.3	70
T-27545		25.8	91	<0.002	0.09	0.71	3	4.3	358	1.4	0.06	20.1	0.316	0.45	3.4	55
T-27546		15.4	102	<0.002	0.09	0.57	3	5.7	254	1.51	<0.05	16.4	0.445	0.49	3	85
T-27547		16.8	76.4	<0.002	0.12	0.6	3	5.5	188	1.54	<0.05	16.8	0.325	0.36	3.2	53
T-27548		10.8	45.4	<0.002	0.06	0.44	3	1.1	546	0.49	<0.05	5.5	0.257	0.26	2.1	50
T-27549		13.4	86.9	<0.002	0.06	0.36	3	6.3	178.5	1.8	<0.05	20.9	0.614	0.44	3.6	108
T-27550		15.6	118	<0.002	0.03	0.92	3	8.6	173.5	2.06	<0.05	21.9	0.42	0.48	4.1	75
T-27551		10.4	89.6	<0.002	0.03	1.05	3	8.7	108.5	1.99	<0.05	19.9	0.312	0.35	3.9	51
T-27552		13.8	91	0.002	0.07	0.75	3	6.3	243	1.58	0.05	25.3	0.314	0.4	4.5	54
T-27553		15	125.5	0.002	0.05	2.78	5	13.2	84.7	2.61	0.06	46.5	0.276	0.71	14	76
T-27554		11.7	126	0.002	0.01	0.77	5	12.3	105.5	2.82	0.05	36.4	0.277	0.59	9.3	48
T-27555		6.6	115.5	0.002	0.04	5.14	4	9	75.2	1.56	<0.05	52.4	0.195	0.87	8.9	23
T-27556		11.6	143.5	<0.002	0.05	7.46	4	8.6	121.5	2.31	0.06	39.4	0.264	0.88	6.7	42
T-27557		19.6	101	0.002	0.01	1.26	3	6.2	217	2.05	<0.05	21.1	0.378	0.51	3.4	78
T-27558		21.1	104.5	0.002	0.02	0.85	3	5.2	289	1.74	<0.05	19.1	0.316	0.48	2.9	65
T-27559		14.4	113	0.002	0.04	0.88	3	6.4	141	1.94	<0.05	26	0.423	0.5	3.3	72
T-27560		19.2	104	0.002	0.01	1.28	3	4.8	245	1.62	<0.05	21.3	0.394	0.64	3.6	91
T-27561		13.6	83.9	0.002	0.02	2.34	3	8.5	177	1.79	<0.05	33.5	0.321	0.67	4.8	50
T-27562		10.6	84.8	<0.002	0.01	1.1	3	7.6	153	1.7	<0.05	26.8	0.288	0.44	4.1	45

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27523		1.3	20.2	78	39.3
T-27524		1.9	20.5	87	40.3
T-27525		2.9	19.3	99	34.4
T-27526		1.8	23.8	73	36.2
T-27527		1.6	16.8	65	90.2
T-27528		2.1	20.3	63	51.6
T-27529		1.2	19.6	37	46.3
T-27530		0.8	14	56	116
T-27531		14.5	60	153	63.4
T-27532		4.5	62.9	211	56.2
T-27533		2.4	68.4	140	33.2
T-27534		2.1	42.4	132	27
T-27535		1.7	36.7	111	26.7
T-27536		2.2	21.3	90	41.3
T-27537		1.7	19.8	99	47.6
T-27538		2.9	15	86	33.1
T-27539		1.6	16.6	89	39.1
T-27540		1.4	31.7	130	32.4
T-27541		1.4	18.8	92	33.4
T-27542		1.2	22.7	100	32.2
T-27543		4.8	42.1	57	40.7
T-27544		2.5	49.9	104	42.9
T-27545		1.5	27.3	75	50
T-27546		1.8	24.3	74	46.5
T-27547		10.7	21.3	34	61.1
T-27548		0.6	8.1	49	121.5
T-27549		1.2	32.2	77	51.3
T-27550		3.6	20.8	46	72.9
T-27551		2.6	17	33	79.1
T-27552		1.9	18.8	58	83.1
T-27553		4	68.2	120	79.7
T-27554		2.7	64.9	73	63.4
T-27555		2.8	48.5	31	91.1
T-27556		2.3	29.4	42	88
T-27557		2.8	24.8	60	61.8
T-27558		3.1	20.6	69	42.3
T-27559		2.2	24.4	62	64.8
T-27560		1.8	22	75	59
T-27561		2	25.2	43	78.4
T-27562		1.7	24.3	42	77.9

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
T-27563		0.36	<0.01	7.24	6.5		650	3.77	0.22	1.08	0.2	92.3	6.9	37	4.35	12.1
T-27564		0.40	<0.01	8	6.6		750	3.28	0.31	1.5	0.16	133.5	12.2	65	5.07	23
T-27565		0.26	0.03	7.26	1.8		680	1.72	0.16	1.87	0.06	46.6	7.7	13	2.15	24.5
T-27566		0.38	<0.01	7.48	3		700	3.67	0.22	1.65	0.17	97.4	14.3	48	4.33	22.65
T-27567		0.30	<0.01	7.41	2.5		410	3.8	0.56	1.62	0.25	85.3	18.4	55	12	36.25
T-27568		0.36	<0.01	7.36	2.6		640	4.07	0.27	0.62	0.09	111.5	9.1	23	6.27	41.7
T-27569		0.34	<0.01	8.45	11.6		760	5.21	0.72	1.44	0.19	150.5	22.2	68	11.6	44.4
T-27570		0.20	0.12	7.14	7.6		650	2.33	0.26	1.48	0.04	49.3	8.4	25	8.06	22.7
T-27571		0.32	0.09	7.26	51		470	3.22	0.45	0.27	0.04	116	2.9	41	7.16	20.1
T-27572		0.32	0.54	8.18	129		470	3.93	0.65	0.36	0.07	141.5	4.2	41	11.35	20.1
T-27573		0.22	0.22	7.61	26.5		590	5.88	1.28	0.74	0.17	127.5	7.7	67	29.6	42.8
T-27574		0.34	0.09	7.31	22.5		880	4.52	1.24	1.3	1.88	88.9	10.8	51	15.85	44.6
T-27575		0.34	<0.01	7.01	19.4		1080	4.91	1	1.09	0.2	171.5	8.6	40	11.75	32.8
T-27576		0.28	0.28	6.15	16		2270	4.83	1.94	0.84	2.05	101	11.8	73	17.2	82.5
T-27577		0.50	<0.01	8.16	3		910	5.64	0.44	1.12	0.45	201	8.9	34	15.9	26.7
T-27578		0.52	<0.01	6.51	5.7		600	4.68	0.35	0.68	0.15	84.2	5.3	37	6.28	12.8
T-27579		0.30	<0.01	5.88	2.4		440	3.39	0.17	0.44	0.16	44.1	1.4	14	3.28	8
T-27580		0.44	<0.01	6.78	4.8		400	2.97	0.22	0.51	0.19	51.3	3	19	3.57	9.1
T-27581		0.40	<0.01	6.34	7.2		620	2.79	0.24	0.77	0.13	76.2	5.5	40	3.83	12.2
T-27582		0.38	<0.01	7.14	4.6		390	3.24	0.22	0.57	0.05	66.8	2.2	15	4.65	7.9
T-27583		0.26	<0.01	6.87	6.1		420	3.05	0.25	0.61	0.13	109.5	3.8	27	4.63	9.9
T-27584		0.32	0.11	6.77	7.2		450	3.77	0.35	0.52	0.16	196	5.9	34	6.81	14
T-27585		0.26	<0.01	6.71	3.3		450	3.78	0.19	0.72	0.1	58.1	2.3	15	4.33	9.4
T-27586		0.24	0.07	6.06	8.1		560	4.07	0.86	1.04	0.46	124	8.5	40	8.05	23.4
T-27587		0.26	0.12	6.51	3.1		760	2.25	0.29	1.22	0.07	79	6.4	8	2.5	23.5
T-27588		0.54	<0.01	7.82	2.8		740	3.92	0.3	1.37	0.1	96.6	10.6	35	4.82	22.4
T-27589		0.34	0.09	7.47	12.2		350	2.7	0.26	2.7	0.11	37.3	32.3	511	8.92	26.3
T-27590		0.22	0.12	8.59	10		730	4.22	0.58	1.15	0.77	125	20	78	12.8	41.5
T-27591		0.16	0.09	6.61	1.4		680	1.28	0.12	1.72	0.09	38.6	6	10	1.72	20
T-27592		0.34	<0.01	7.61	3.8		600	4.6	0.31	1.92	0.19	105	28.1	91	10.55	58.7
T-27593		0.10	0.04	7.37	4.4		750	4.07	0.29	1.8	0.14	113	29.7	105	10.85	64.8
T-27594		0.36	<0.01	7.87	4.9		940	5.88	0.31	1.28	0.15	114.5	20.6	85	9.6	42.5
T-27595		0.32	0.34	7.37	3.1		840	1.84	0.23	1.64	0.09	65.2	6	10	3.05	24.6
T-27596		0.44	0.02	7.21	5		620	2.95	0.36	1.47	0.1	72.7	12.2	72	6.39	29.2
T-27597		0.44	0.18	7.57	24.7		1530	7.87	2.22	1.42	0.69	99.9	15.3	86	23	97.6
T-27598		0.34	0.13	7.91	10.2		2120	5.78	0.52	2.64	1.19	103.25	21.8	108	17.25	136.5
T-27599		0.44	<0.01	6.92	6.5		720	6.69	0.38	0.85	0.19	80.4	5.5	39	9.89	15.7
T-27600		0.44	<0.01	7.35	9.4		740	3.44	0.36	1.84	0.16	80	20.9	220	7.82	29.4
T-27601		0.30	0.02	6.14	3.9		470	2.43	0.38	2.89	0.42	50.1	23.8	292	12.75	23.2
T-27602		0.20	0.2	6.51	7.2		530	3.16	0.39	1.42	0.2	65.8	18.5	232	17.6	43.5

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27563		2.21	23	0.16	2.6	0.061	2.22	53.3	37	0.51	342	0.88	2.41	21.2	16.8	410
T-27564		3.28	23.7	0.22	1.5	0.069	2.16	81.2	36.4	0.96	444	0.75	1.54	22.8	31.3	570
T-27565		2.2	19.3	0.1	3.6	0.025	2.03	23.4	18	0.71	349	1.45	2.49	9.2	7.7	600
T-27566		4.14	25.2	0.23	1.8	0.096	1.93	56.8	58.4	1.44	646	0.84	2.05	27.9	20.4	960
T-27567		4.99	23.7	0.23	1.3	0.119	1.45	60.5	80.2	1.43	740	0.81	1.52	30.8	24	1140
T-27568		4.12	25.4	0.26	1.8	0.097	2.12	66	41	1.09	649	0.56	1.9	40	11.2	640
T-27569		5.58	30.6	0.35	1.7	0.118	2.41	92.75	63.1	1.62	866	2.03	0.99	26.8	32.2	1070
T-27570		3.07	24.6	0.12	3	0.057	1.61	22.3	22.2	0.71	402	2.96	2.35	17.2	10.3	1120
T-27571		2.72	26.9	0.16	2.2	0.068	1.12	55.8	46.7	0.2	99	7.29	0.63	29.3	12.9	720
T-27572		3.18	32.5	0.24	3.2	0.101	1.82	89.6	43.8	0.32	248	7.99	0.74	28.3	14.4	1020
T-27573		3.89	30.8	0.37	2	0.104	1.71	114.5	95.7	0.82	519	16.1	0.76	15.8	46.2	1370
T-27574		2.98	24.8	0.17	3	0.06	2.22	50.6	55.2	0.71	730	9.46	1.57	16.4	38.3	2120
T-27575		3.1	24.4	0.2	2.6	0.106	2.08	83	55.7	0.58	448	7.75	1.38	22.9	32.1	2840
T-27576		3.6	20.2	0.18	2.3	0.061	2.05	62.4	62.3	0.52	591	11.4	0.59	13	69.6	2500
T-27577		4.58	30	0.42	3.7	0.097	1.83	128.5	126.5	1.14	1165	3.71	3.1	30	29.2	740
T-27578		2.04	19.85	0.13	2.5	0.051	1.56	41.9	38.4	0.49	297	1.28	2.56	22	17.6	450
T-27579		0.96	21.4	0.06	2	0.031	1.5	19.9	12.4	0.12	88	1.44	2.9	19.8	5.5	580
T-27580		1.5	21.6	0.07	2.1	0.05	1.1	22.7	16	0.21	184	1.52	3.46	17.6	9.4	640
T-27581		2.3	21.1	0.14	2.5	0.063	1.65	38	22.5	0.47	266	1.53	1.96	18.6	17.9	530
T-27582		1.62	28.8	0.08	2.8	0.082	1.36	28.1	18.9	0.23	125	1.36	3.28	22	6.6	360
T-27583		1.97	23.4	0.13	2.3	0.078	1.46	43.6	18.2	0.34	243	1.18	2.79	18.5	9.8	610
T-27584		2.43	24.8	0.52	1.9	0.091	1.26	219	40.6	0.39	285	1.42	1.25	15.1	17.2	1920
T-27585		1.22	23.8	0.08	2.8	0.041	1.5	23.5	16.2	0.22	125	1.13	2.77	18.9	4.7	590
T-27586		2.64	21.9	0.18	2	0.068	1.38	64.2	28.3	0.38	1470	2.2	1.19	18	18	4320
T-27587		1.76	17.9	0.13	3.7	0.026	1.92	48.8	23.2	0.37	1075	2.07	2.08	8	4.4	1140
T-27588		4.09	24.4	0.21	1.6	0.094	2.33	52.5	47.5	1.17	560	0.59	2.3	31.4	16.5	1350
T-27589		5.09	17.6	0.16	1	0.055	1.14	24.4	53.9	4.28	804	0.54	0.9	10	199.5	410
T-27590		6.46	28.9	0.31	1.4	0.111	2.2	89.8	67.3	1.71	522	3.16	0.82	23.2	32.8	1120
T-27591		1.96	16.75	0.08	3.6	0.02	1.85	20.4	17.7	0.6	328	1.64	2.31	6.2	5.6	620
T-27592		7.04	27.5	0.24	1.2	0.122	1.78	59.1	72.5	2.99	1095	2.14	1.64	30.7	38.3	1570
T-27593		7.11	28	0.24	1.4	0.112	1.67	56	86.8	3.15	1130	2.63	1.48	26.2	39.9	1350
T-27594		6.76	31.4	0.25	2.2	0.132	1.34	50.3	80.9	2.48	874	2.25	2.63	47.2	32.8	1240
T-27595		1.81	19.55	0.12	4.3	0.019	2.27	37.1	26.4	0.5	718	2.42	2.59	6.5	7.2	560
T-27596		3.71	22.4	0.15	2	0.07	1.9	37.4	43.3	1.28	534	1.44	1.74	20	28.9	820
T-27597		3.79	26.1	0.2	2.2	0.048	2.26	57.2	97.3	1.07	717	10.25	0.78	16.2	95.8	5480
T-27598		3.16	26.5	0.27	3	0.029	3.09	59	107.5	1.19	821	13.5	0.35	10.8	101	>10000
T-27599		2.69	22.7	0.15	2.5	0.06	1.86	39.6	50.4	0.5	406	2.94	2.4	22	17.4	640
T-27600		4.5	21.6	0.2	1.5	0.076	1.77	41.9	43.9	2.25	760	1.06	1.39	20.5	85	750
T-27601		4.09	18.7	0.14	1.4	0.063	1.14	20.5	29.7	3.04	912	0.91	1.56	17	93.1	820
T-27602		3.85	18.75	0.16	1.1	0.063	1.07	32.5	46.5	2.15	602	1.12	1.19	14.6	106.5	1700

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27563		14.1	98.3	<0.002	0.02	0.95	3	6.5	192	2.01	<0.05	22.7	0.297	0.46	3.4	53
T-27564		24.4	115	0.002	0.02	0.66	3	4.4	291	1.74	<0.05	27.9	0.427	0.59	4.1	78
T-27565		10.1	53.7	0.003	0.03	0.5	3	1.8	552	0.78	<0.05	7.8	0.321	0.27	2.2	65
T-27566		11.9	84.8	0.002	0.01	0.42	3	5.9	184.5	2.44	<0.05	20.2	0.654	0.37	3.3	112
T-27567		10.4	100.5	0.002	0.03	0.32	4	7.3	189.5	2.26	<0.05	14.4	0.921	0.55	5.6	161
T-27568		10	91.3	0.002	0.02	0.32	3	6.6	94.7	2.8	<0.05	23.6	0.45	0.44	4.1	67
T-27569		48.7	141.5	0.003	0.04	0.82	4	6.8	198	1.8	<0.05	26.8	0.651	0.79	9.6	122
T-27570		9.3	60.7	0.002	0.04	1.15	3	4.5	383	1.12	<0.05	8.5	0.422	0.35	3	86
T-27571		12.6	63.6	0.002	0.04	32.2	4	9.7	171.5	2.13	<0.05	20.4	0.513	1.98	5.7	150
T-27572		16.5	127.5	0.002	0.17	40.4	5	12.6	136	2.49	<0.05	31.7	0.349	3.53	7.2	128
T-27573		13.8	131	0.003	0.09	3.73	7	10.1	112.5	1.32	0.06	49.8	0.279	1.07	30.6	283
T-27574		17.6	122.5	0.002	0.07	2.05	4	7.3	255	1.62	0.06	20.8	0.309	0.79	7.4	192
T-27575		15.6	131.5	0.003	0.06	2.18	5	10.7	108.5	2.06	0.05	32.5	0.307	0.73	9	134
T-27576		23.6	121.5	0.003	0.22	2.52	6	5.6	87.5	1.23	0.15	25.6	0.264	1.06	19.5	244
T-27577		10	134.5	0.003	0.02	0.63	5	12.3	100.5	2.12	0.06	51.9	0.409	0.66	14.1	116
T-27578		11.3	86	0.002	0.01	0.92	3	8	112.5	2.34	<0.05	19.8	0.314	0.45	3.4	67
T-27579		7	60.2	<0.002	0.05	0.77	3	8.1	80.9	1.83	<0.05	16.6	0.219	0.3	2.3	36
T-27580		8.1	62.1	0.002	0.04	0.88	3	6.6	89.6	1.43	<0.05	23.6	0.226	0.29	2.8	44
T-27581		12.4	75	0.002	0.03	1.16	3	4.8	124	1.53	0.06	20.5	0.312	0.39	2.8	71
T-27582		6.8	63.1	<0.002	0.02	0.74	3	6.8	88.9	1.7	0.05	29.5	0.24	0.3	2.9	40
T-27583		9.2	73	<0.002	0.04	0.85	3	6.8	105	1.46	<0.05	31.3	0.255	0.39	3.5	47
T-27584		13.3	74.5	0.002	0.13	1.35	6	5.9	98.8	1.21	<0.05	31.7	0.236	0.63	6.1	59
T-27585		7.8	58.7	0.002	0.04	0.56	3	6.6	150.5	1.48	<0.05	18.8	0.235	0.28	2.6	39
T-27586		20.5	83.6	<0.002	0.21	1.19	4	5.9	170.5	1.72	0.06	21.1	0.305	0.57	7.8	80
T-27587		11.8	51.4	<0.002	0.09	0.57	3	1.7	398	0.6	<0.05	9	0.177	0.33	4.9	29
T-27588		11.4	106	<0.002	0.01	0.37	3	6.3	151.5	2.02	<0.05	16	0.567	0.52	4.1	80
T-27589		7.8	46.6	0.002	0.02	1.16	2	4.1	95.8	0.84	<0.05	6.6	0.267	0.34	2	194
T-27590		43.8	125.5	<0.002	0.08	0.92	4	6.7	137.5	1.55	<0.05	21.2	0.609	0.89	8.5	129
T-27591		9.2	42.6	0.002	0.04	0.58	2	1.1	507	0.47	<0.05	6.1	0.254	0.26	2.3	49
T-27592		7.1	118.5	0.002	0.02	0.55	4	7.8	99.2	1.93	<0.05	14.6	0.89	0.53	4.5	175
T-27593		5.9	110	0.002	0.05	0.45	4	7.6	110	1.56	<0.05	17.6	0.737	0.48	6.1	176
T-27594		6	84.1	0.003	0.03	0.55	4	11.6	101	2.78	<0.05	21.4	0.813	0.35	4.7	127
T-27595		12.6	56.4	<0.002	0.02	0.62	2	1.3	533	0.51	<0.05	10.2	0.205	0.34	4.4	37
T-27596		14.8	81.3	<0.002	0.01	0.54	3	5.2	229	1.54	<0.05	12.2	0.492	0.48	2.4	94
T-27597		27.7	139.5	0.004	0.07	3.89	5	6.5	106	1.51	0.08	18.4	0.344	1.22	16.9	306
T-27598		42.1	137.5	0.004	0.02	1.8	6	2.7	82.3	0.8	0.08	19.6	0.347	0.96	12.4	384
T-27599		11.6	101	<0.002	0.03	1.07	3	9.2	108	2.26	<0.05	24.4	0.316	0.51	4.2	75
T-27600		14.5	90.2	<0.002	0.02	1.11	3	5.7	114	1.5	<0.05	15	0.449	0.54	3.1	140
T-27601		6.5	74.9	<0.002	0.05	0.49	3	5.9	94	1.21	<0.05	10.2	0.381	0.31	2.2	139
T-27602		8.9	59.7	<0.002	0.11	0.62	4	5.5	93.1	0.97	<0.05	15.8	0.311	0.34	5.1	116

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Finalized Date: 28-JUL-2004
Account: EMP

Project: Glitter

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27563		1.5	20	49	74.9
T-27564		1.8	25.3	76	44.6
T-27565		0.8	10.2	49	118
T-27566		1.9	30.6	84	46.7
T-27567		1.4	45.8	83	35.9
T-27568		1.7	19.6	88	58.8
T-27569		2.7	46.9	174	48.7
T-27570		1	14.6	59	98.7
T-27571		9.1	20.9	47	67.9
T-27572		5.7	23.6	52	94.5
T-27573		3.3	65.4	162	59.5
T-27574		2.7	25.6	211	97.1
T-27575		3.9	42.5	110	77.3
T-27576		31.6	31.3	239	67.6
T-27577		3.5	76.6	94	106.5
T-27578		2	21.9	45	68.6
T-27579		1.5	13.8	20	57.7
T-27580		1.5	14.1	30	61
T-27581		1.8	16.2	45	69
T-27582		3.2	14.7	21	78.4
T-27583		2	19.2	36	65.7
T-27584		1.9	66.1	46	51.4
T-27585		1.5	11.5	21	83.4
T-27586		2.4	33.8	50	60.9
T-27587		0.8	19	49	119.5
T-27588		1.7	35.5	75	51.2
T-27589		1.1	19	62	27.7
T-27590		2.5	41	186	40.5
T-27591		0.5	8.2	47	111.5
T-27592		1.2	39	124	36.8
T-27593		1.1	39	128	40.9
T-27594		1.7	46.7	92	63.5
T-27595		0.6	13.4	53	139
T-27596		1.4	20.5	72	61.6
T-27597		3.9	42.3	381	67.1
T-27598		2.4	68.3	596	96.7
T-27599		1.7	25.8	57	70
T-27600		2.1	24.7	86	43.8
T-27601		1.7	18.1	66	39.6
T-27602		2.2	25.7	65	33.5

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
T-27603		0.28	0.12	5.83	2.9		590	3.2	0.4	0.99	0.21	73.7	4.5	30	4.97	15.2
T-27604		0.32	0.03	7.17	14.4		610	3.77	0.32	0.83	0.12	104.5	10.4	37	12.55	37.5
T-27605		0.52	<0.01	7.31	50		460	5.1	0.21	0.08	0.11	96.5	2	10	15.25	7
T-27606		0.42	<0.01	6.2	3.8		450	3.09	0.22	0.55	0.07	57.9	2	19	3.72	8.8
T-27607		0.40	0.02	6.33	3.4		470	3.32	0.22	0.56	0.08	78.1	2.1	19	3.71	10.2
T-27608		0.32	<0.01	7.52	3.5		500	3.92	0.27	0.76	0.12	71.8	3	21	4.69	15.8
T-27609		0.40	<0.01	7	5.3		630	5.45	0.42	0.88	0.12	101	5	27	5.07	15
T-27610		0.38	<0.01	6.83	4.9		640	5.6	0.26	0.85	0.15	80.8	5.2	27	6.44	12.8
T-27611		0.26	0.11	6.04	20		310	1.98	0.81	2.28	0.28	64.1	22.9	201	8.89	32.4
T-27612		0.42	0.16	6.99	11.6		650	3.8	0.62	1.04	0.2	78.4	10.2	82	8.29	25.8
T-27613		0.28	0.05	6.99	8		800	4.24	0.78	1.12	0.2	77.9	12	81	10.8	22.45
T-27614		0.24	<0.01	6.71	5.8		640	3.52	0.56	1.83	0.26	69.6	19	209	11.25	35.7
T-27615		0.24	0.12	7.26	1.2		480	4.1	0.42	3.43	0.99	53.8	30.5	123	5.69	86.5
T-27616		0.24	<0.01	6.25	1.6		450	2.9	0.36	1.26	0.23	73.3	15.2	84	10.95	24.3
T-27617		0.36	0.04	7.12	0.5		500	2.93	0.11	1.52	0.09	102.5	25.5	95	11.85	29.95
T-27618		0.36	0.09	6.84	6.5		650	3.95	0.53	1.21	0.16	69.8	11.3	38	8.59	22.85
T-27619		0.34	0.14	7.08	26.7		1520	5.77	0.89	1.82	3.1	137.5	31.9	98	24.9	194
T-27620		0.40	0.17	8.16	14.5		1950	5.99	0.87	0.74	1.93	92.75	27.4	115	17.1	175
T-27621		0.36	0.1	6.68	12.5		1440	4	0.53	0.59	0.28	68.4	4.8	50	19.5	65.7
T-27622		0.36	0.03	7.6	31.6		670	4.94	0.25	0.87	0.59	211	6.6	25	10.55	15.2
T-27623		0.38	0.04	7.67	21.6		900	3.56	0.42	1.43	0.51	69.6	10.3	43	9.98	37.8
T-27624		0.40	0.02	7.31	11.8		880	3.87	0.5	0.9	0.21	82.3	6.5	35	6.6	18.4
T-27625		0.40	0.04	6.85	19.4		720	3.22	0.45	0.65	0.29	90	4.6	49	13.35	24.5
T-27626		0.34	0.03	6.43	6.1		910	3.77	0.28	0.79	0.16	67.7	3.9	27	5.87	15.5
T-27627		0.20	0.21	4.86	8.5		590	2.07	0.3	0.74	0.23	61.6	4.2	29	6.09	17.8
T-27628		0.36	0.02	6.25	9.8		700	3.55	0.87	0.81	0.24	100.5	6.5	51	12.15	20.6
T-27629		0.28	0.11	6.37	1.8		310	2.37	0.21	4.21	0.14	27.5	38	535	5.8	12.2
T-27630		0.34	0.18	6.33	5.1		480	1.79	0.45	2.6	0.4	70.8	32.6	304	11.9	23.6
T-27631		0.24	<0.01	7.2	6.9		810	4.42	0.34	1.68	0.22	108	10.4	54	5.86	17.8
T-27632		0.36	0.09	7.38	27.2		1030	3.59	1.32	1.43	0.21	33.9	21.1	267	21.4	44.2
T-27633		0.32	0.11	6.81	10		510	3.7	1.08	2.37	0.29	40.8	26.8	329	19.1	39.4
T-27634		0.30	0.13	7.25	4.4		880	2.41	0.4	1.64	0.13	45	8.7	33	8.24	26
T-27635		0.40	0.15	7.63	16.4		600	4.31	1.68	0.82	0.14	48.4	11	73	16.5	21.6
T-27636		0.30	0.12	7.54	8.4		710	4.67	0.4	2.12	0.22	100	19.4	118	18.9	32.35
T-27637		0.26	0.18	8.2	6.1		620	6.21	0.87	0.67	0.47	90.2	13.8	66	30.7	36.6
T-27638		0.28	0.08	10.35	12.3		330	6.13	1.04	0.24	0.31	56.4	3	13	20.1	8.4
T-27639		0.36	0.06	7.12	4.7		390	4.33	0.79	2.27	0.18	35.2	31.6	321	23.6	64.5
T-27640		0.32	0.05	7.13	4.3		570	3.64	0.3	1.86	0.25	82.9	18.2	55	11.65	29.85
T-27641		0.42	0.06	7.7	26.1		780	5.19	0.62	1.18	0.21	99.5	14.4	47	10.35	31.6
T-27642		0.46	0.09	7.29	7.7		630	3.86	0.5	1.57	0.24	71.5	15.4	49	10.45	25.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27603		1.96	19.3	0.14	2.2	0.046	1.38	41.3	19.1	0.41	396	1.35	1.86	16.8	10.1	2620
T-27604		4.49	25.3	0.22	1.9	0.106	1.79	64	39	0.92	527	1.55	1.39	26.6	15.2	1540
T-27605		2.05	25.9	0.18	1.6	0.045	3.25	60.3	30.6	0.41	114	2.38	0.1	17.6	12.6	610
T-27606		1.48	21.8	0.09	2.2	0.041	1.32	23.1	14.4	0.2	123	1.44	2.7	17.4	6.8	580
T-27607		1.44	21.7	0.12	2.5	0.044	1.35	32.3	14.3	0.2	118	1.56	2.68	17.3	7.6	610
T-27608		1.62	26.4	0.11	2.7	0.054	1.45	25.4	22.9	0.28	163	1.88	3.52	20.2	12.2	830
T-27609		2.09	22.4	0.16	2.3	0.059	1.61	52.6	32.1	0.43	394	1.68	2.85	19.8	16.2	800
T-27610		2.16	22.1	0.16	2.5	0.052	1.85	39.1	42.4	0.46	368	1.39	2.74	22.3	15.6	540
T-27611		5.13	20.4	0.19	1	0.072	1.43	27.8	43.8	2.58	669	1.36	0.86	19.2	110.5	1110
T-27612		3.96	22.9	0.17	1.6	0.081	1.82	37.4	62.1	1.08	417	2.65	1.32	21.5	33.6	1170
T-27613		3.89	25.4	0.18	2	0.085	2.02	37	62.9	1.22	518	3.9	1.55	27.6	33.3	580
T-27614		5.42	24.5	0.18	1.7	0.093	1.54	31.8	72.3	2.46	654	2.16	1.33	26.5	76.6	710
T-27615		8.84	26.3	0.26	1	0.134	1.51	20.5	85.1	3.65	1635	2.4	1.5	26.3	37	1940
T-27616		5.85	27.4	0.21	1.2	0.094	1.09	34.2	30.1	1.52	647	3.19	1.77	27.7	23.3	610
T-27617		7.45	27.8	0.31	1.1	0.136	1.17	57.5	89.8	3.32	918	0.93	2.41	36.9	28.9	1580
T-27618		4.33	24	0.18	1.7	0.092	1.97	31.2	30.9	1.05	518	1.53	1.9	31.7	14.1	1160
T-27619		4.39	25.1	0.3	2.1	0.053	2.34	71.8	95.7	2.31	926	12.85	0.73	15.4	144	2810
T-27620		4.28	27.4	0.25	2.4	0.049	2.64	56.7	84	0.86	758	21.5	0.37	14.2	117	2870
T-27621		3.17	23.7	0.13	2.3	0.057	2.06	34.1	43.2	0.47	240	10.65	0.89	18.4	43	1800
T-27622		3.37	27.2	0.36	3.1	0.098	1.8	104.5	35.5	0.58	998	4.03	2.49	21	23.9	970
T-27623		3.6	23.5	0.16	2.8	0.062	1.84	38.9	39.6	0.75	446	3.7	2.08	15.4	37.1	1390
T-27624		2.38	22.6	0.14	2.5	0.053	1.79	43.1	35	0.44	305	2.77	2.5	19.8	26.1	960
T-27625		2.79	25.4	0.18	2.4	0.067	1.6	49.7	33.3	0.37	271	2.85	1.84	19.9	27.6	1260
T-27626		2.02	22.1	0.13	2.9	0.047	1.4	30.3	21.1	0.32	189	1.48	2.47	22.3	12.3	970
T-27627		1.96	14.8	0.15	1.8	0.042	1.02	43.1	21.8	0.35	237	2.11	0.92	10.4	14.1	2840
T-27628		2.71	22.4	0.21	2.3	0.067	1.7	65.2	26.8	0.52	475	1.54	1.5	25.5	17.4	1650
T-27629		5.08	13.9	0.17	0.7	0.035	0.65	15.8	51.7	6.07	856	0.38	0.98	7.3	231	390
T-27630		4.58	17.2	0.19	1.3	0.054	0.93	36	36.6	3.09	1875	1.47	0.94	10.9	124.5	2160
T-27631		3.04	21	0.2	1.8	0.067	2.23	59.5	43.1	0.82	494	1.32	1.65	19.8	28.5	740
T-27632		5.18	25.4	0.16	1.3	0.072	1.71	16.9	70.3	1.84	715	1.5	1.06	19.6	101.5	680
T-27633		5.49	21.9	0.16	1.1	0.065	1.22	19.5	63.5	2.87	845	1.16	1.07	16.8	118	960
T-27634		2.26	20.3	0.12	3.8	0.027	1.97	26.7	29.7	0.67	984	1.64	2.18	9	14.4	1120
T-27635		3.37	27.4	0.14	1.9	0.074	2.16	24	69.6	0.71	373	1.34	1.28	23.4	26.7	770
T-27636		5.41	25.1	0.26	2	0.102	1.82	54.4	81.8	2	843	1.6	1.86	32.5	44.5	1830
T-27637		5.63	30.4	0.23	2	0.114	2.45	45	97.3	0.87	649	1.98	1.04	31.2	22.6	1440
T-27638		1.9	32.6	0.14	2.9	0.081	3.3	28.5	>500	0.27	335	0.84	0.38	20.1	4.6	1800
T-27639		5.57	18.75	0.16	1.3	0.064	1.35	17.3	140	3.67	967	0.82	1.02	11.5	115	950
T-27640		5.23	22.7	0.24	1.6	0.11	1.75	37.9	56.9	1.63	822	1.35	2.05	31.9	24.5	1440
T-27641		4.69	24.6	0.26	1.8	0.116	2.21	50.8	51.2	1.07	708	1.76	1.78	29.8	21.9	1340
T-27642		5.26	24.5	0.22	1.5	0.11	2.27	31.9	55.5	1.42	738	1.3	1.79	32.6	19.5	1850

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27603		10.8	60.8	<0.002	0.14	0.59	3	4.9	158.5	1.36	<0.05	15	0.306	0.31	4	74
T-27604		11	78.1	<0.002	0.04	0.62	3	5.9	110	1.84	<0.05	16.7	0.543	0.42	4.4	111
T-27605		6.7	212	<0.002	0.06	2.33	3	5.8	28.8	1.59	<0.05	21.3	0.195	1.01	4.4	60
T-27606		7.3	56.5	<0.002	0.04	0.69	3	7.2	83	1.45	<0.05	20.4	0.203	0.26	3	44
T-27607		7.5	57.1	<0.002	0.05	0.76	3	6.8	88.5	1.26	<0.05	24.4	0.211	0.28	3	45
T-27608		8.3	62.8	<0.002	0.03	0.64	3	8.4	86.4	1.55	<0.05	24.5	0.227	0.31	3.3	60
T-27609		9.4	76.4	0.002	0.02	0.71	3	9.1	107.5	2.22	<0.05	22	0.252	0.38	4.4	55
T-27610		10	87.7	<0.002	0.01	0.72	3	9.7	103.5	1.88	<0.05	22.8	0.288	0.46	3.1	56
T-27611		12.9	119.5	<0.002	0.06	0.55	3	5.5	91.2	1.38	<0.05	11.5	0.639	0.53	2.4	137
T-27612		19.2	96.1	0.002	0.04	0.91	3	6.9	111	1.62	<0.05	15.8	0.393	0.53	3.9	122
T-27613		14.4	133.5	0.002	0.02	0.86	3	8.6	109	2.06	<0.05	15	0.495	0.6	3.6	150
T-27614		13	107	0.002	0.02	0.67	3	7	96.3	2.78	<0.05	11.8	0.613	0.49	2.7	164
T-27615		7.8	86.4	<0.002	0.02	0.18	4	5.2	96.1	1.6	<0.05	4.7	1.27	0.33	2.1	300
T-27616		7.2	96	<0.002	0.04	0.47	3	6.8	123	1.74	<0.05	13.9	0.848	0.34	2.3	191
T-27617		4.1	67	<0.002	0.01	0.13	4	6.5	85.6	2.14	<0.05	15.6	0.847	0.29	3	161
T-27618		10.6	108.5	<0.002	0.04	0.44	4	6.9	107	2	<0.05	11.6	0.717	0.44	2.8	111
T-27619		44.8	148	<0.002	0.06	3.35	7	6.3	106.5	1.32	0.08	16.2	0.408	1.06	16.6	385
T-27620		80.7	137.5	0.003	0.11	4.32	8	6.9	141.5	1.55	0.14	17.4	0.427	1.47	16.5	544
T-27621		25.3	108.5	<0.002	0.12	1.93	4	7.6	89.5	1.47	0.08	20.5	0.339	0.77	7	230
T-27622		10.2	97.5	0.002	0.01	2.07	4	9.1	101	1.46	<0.05	41.9	0.288	0.65	11.2	71
T-27623		17.8	94.3	<0.002	0.04	3.04	3	5.7	269	1.46	<0.05	19.4	0.372	0.6	6.3	167
T-27624		14.7	94.3	<0.002	0.02	1.55	3	7.7	126	1.88	<0.05	23.6	0.298	0.51	4.3	95
T-27625		15.9	106.5	<0.002	0.05	2.37	3	6.4	105.5	1.99	<0.05	24.5	0.307	0.66	5.6	139
T-27626		9.6	70.1	<0.002	0.04	0.92	3	6.2	109.5	2.3	<0.05	19.5	0.353	0.29	3.2	81
T-27627		9.1	55.4	<0.002	0.22	1.2	3	3.7	143.5	0.89	<0.05	14.7	0.236	0.33	5.4	80
T-27628		17.5	106.5	<0.002	0.07	1.13	4	6.3	114.5	2.16	<0.05	15.6	0.53	0.45	8.2	104
T-27629		4.3	38.6	<0.002	0.03	0.27	2	6.1	66.6	0.86	<0.05	5.3	0.211	0.22	1.6	196
T-27630		14.8	62.2	<0.002	0.13	0.67	3	3	101.5	0.91	<0.05	12.3	0.272	0.38	4.8	167
T-27631		24.4	114	<0.002	0.02	0.96	3	5.2	281	1.84	<0.05	20.9	0.351	0.52	3.2	77
T-27632		16.6	156.5	<0.002	0.01	1.16	2	8.6	77.5	2.02	<0.05	7.5	0.525	0.69	3	190
T-27633		15	114.5	<0.002	0.02	0.83	3	8.5	81.1	2.46	<0.05	7.4	0.383	0.54	2.5	217
T-27634		16.4	73.1	<0.002	0.06	0.73	3	2.2	454	0.88	<0.05	7.9	0.277	0.41	4.2	62
T-27635		20	151	<0.002	0.03	0.88	2	9.6	93.5	2.35	<0.05	9.5	0.552	0.84	3.6	119
T-27636		11.4	129	<0.002	0.02	0.87	4	9.1	128	2.43	<0.05	16.3	0.8	0.61	4.8	136
T-27637		16.4	173	<0.002	0.04	0.69	3	13.5	95.5	2.74	<0.05	15.2	0.847	0.95	5.8	160
T-27638		43.9	242	0.002	0.09	2.04	3	7.6	60.1	1.44	<0.05	14.4	0.223	1.3	7.2	31
T-27639		12.5	118.5	<0.002	0.04	0.7	2	10.3	80	1.25	<0.05	7.8	0.299	0.84	5	190
T-27640		10.3	93.5	<0.002	0.02	0.43	3	6.4	115	2.16	<0.05	13.5	0.83	0.44	3	135
T-27641		17.7	124.5	<0.002	0.02	0.72	4	7.6	119	2.35	<0.05	16.6	0.652	0.58	4.7	113
T-27642		11.5	137	<0.002	0.03	0.35	4	7.5	104	2.22	<0.05	11.5	0.76	0.64	2.8	122

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27603		1.5	18.7	38	66.7
T-27604		9.6	31.8	89	59.7
T-27605		3.4	15.4	33	43.5
T-27606		1.4	17.8	26	59.7
T-27607		1.5	16.8	25	69.9
T-27608		1.7	21.7	54	75.2
T-27609		1.4	32	57	60
T-27610		1.5	28.1	42	69.7
T-27611		1.2	22.4	86	27.4
T-27612		1.9	20.9	85	43
T-27613		3.1	22.9	96	55.7
T-27614		1.7	25.7	99	46.4
T-27615		1.1	45	234	22.6
T-27616		1	21.3	79	36.8
T-27617		0.5	26.4	146	31.5
T-27618		1.5	24.8	86	49.1
T-27619		5.7	59.3	771	60.9
T-27620		25.3	40.6	829	75.6
T-27621		9.4	19.4	223	71.3
T-27622		3.6	54.6	114	88.1
T-27623		2.5	24	152	78.5
T-27624		2.2	24	83	64.9
T-27625		2.3	24.6	87	68.9
T-27626		1.8	18	48	81
T-27627		1.6	20.9	53	54.5
T-27628		2.4	45.7	58	67.1
T-27629		0.7	13.4	56	18.8
T-27630		1.5	24.8	67	36.4
T-27631		2.6	23.5	77	50.7
T-27632		2.8	14.9	97	34.7
T-27633		1.8	15.2	98	27.3
T-27634		0.9	12.4	58	121
T-27635		3.2	14.8	67	47.5
T-27636		1.6	42.7	106	56
T-27637		3.8	29.5	124	55.8
T-27638		2	14.4	97	64.1
T-27639		1.2	13.6	77	36
T-27640		1.4	39.9	110	45.4
T-27641		2.5	32.4	112	50.2
T-27642		1.7	37.1	108	41.6

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
T-27643		0.28	0.11	6.89	6.9		650	3.93	0.5	1.28	0.18	67.2	11.9	39	8.9	22.2
T-27644		0.22	0.35	6.26	7.6		510	4.52	1.14	0.57	0.39	111	8.6	83	11.9	28.9
T-27645		0.42	<0.01	7.6	8.4		500	4.99	1.09	1.01	0.23	95.2	10.1	93	7.98	20.9
T-27646		0.44	0.05	6.85	8.7		620	3.41	0.6	1.32	0.27	79.2	11.4	62	6.22	25.1
T-27647		0.30	1.03	7.01	17		590	4.17	1.5	1.36	0.16	70.3	9.9	63	13.75	31.5
T-27648		0.30	0.11	6.81	4.5		620	2.18	0.35	2.2	0.12	52.3	13.8	154	4.64	20.8
T-27649		0.14	0.49	5.47	9.7		500	2.78	1.15	1.26	0.33	83.8	14.6	123	10.65	26.9
T-27650		0.32	0.08	7.11	10.2		650	2.73	0.55	0.98	0.16	80.1	10.6	69	8.54	22
T-27651		0.40	0.06	7.38	0.8		440	2.46	0.08	1.38	0.06	113.5	21.3	74	10.8	27.75
T-27652		0.40	0.16	6.66	4.1		510	2.64	0.22	0.76	0.18	74	6.6	27	6.56	19
T-27653		0.36	0.08	7.31	49.9		580	3.39	0.46	1.3	0.11	63.6	16.4	64	14.55	28.35
T-27654		0.38	0.22	6.92	21.4		610	3.77	0.46	1.1	0.23	73.4	17.8	43	13.7	26.05
T-27655		0.30	0.25	6.61	10		710	2.96	0.5	0.91	0.21	60.6	10.9	44	8.39	21.95
T-27656		0.44	0.14	6.95	9.3		600	3.34	1.57	1.22	0.19	74.7	10.2	56	6.98	22.4
T-27657		0.40	0.13	6.8	5		640	3.32	1.3	0.88	0.38	63	6.6	51	6.79	18.3
T-27658		0.36	0.04	7.29	9		640	3.95	0.7	0.98	0.19	99	9.1	43	5.73	19.2
T-27659		0.24	0.1	6.45	4.8		660	3.38	1.08	1.26	0.22	70.7	6.9	65	6.47	11.8
T-27660		0.46	0.1	6.6	6.2		540	2.73	1.36	1.28	0.15	57.3	9.1	96	5.22	11.5
T-27661		0.36	0.11	7.22	5.4		640	2.95	0.57	2.31	0.12	83.1	19.6	246	5.95	12.4
T-27662		0.36	0.13	7.56	7.7		560	4.2	0.8	1.79	0.24	84.9	15.6	194	10.1	16.5
T-27671		0.38	0.11	8.1	4.4		680	4.79	0.45	0.73	0.39	121.5	6.7	66	17.45	4.9
T-27672		0.34	0.07	7.07	6.5		860	3.85	0.4	0.88	0.28	78.6	5.9	44	7.98	9.6
T-27673		0.24	0.09	7.56	2.7		510	3.93	0.51	2.4	0.37	109.5	18.4	50	5.97	3.2
T-27674		0.34	0.08	7.28	3.8		780	3.39	0.37	1.2	0.12	80.1	7.1	43	10.65	16
T-27675		0.38	0.13	6.79	5.2		700	3.62	0.42	1.26	0.26	85.8	11.3	52	12.05	11.7
T-27676		0.24	0.3	5.89	29.5		640	3.92	7.05	0.71	0.33	72.5	6.7	47	12.6	19.8
T-27677		0.42	0.07	7.13	9.9		530	4.58	2.23	0.72	0.16	55.9	6	36	7.39	8.4
T-27678		0.40	0.16	7.84	9.5		590	5.01	1.32	1.84	0.29	86.5	14.4	72	14.6	14.9
T-27679		0.22	0.17	7.21	14.1		580	3.09	0.78	2.49	0.15	62.9	17.7	237	10.2	26.6
T-27680		0.30	0.14	6.23	9		520	2.96	0.62	1.97	1.03	96.8	21	193	19.05	24.2
T-27681		0.14	0.15	6.78	4.1		670	2.15	0.44	1.31	0.32	251	8.8	38	6.94	21.5
T-27682		0.36	0.06	7.24	15.2		760	3.47	0.4	2.1	0.24	82.1	22.5	288	8.75	20.6
T-27683		0.14	0.09	6.64	0.4		630	1.08	0.13	2.64	0.07	29.9	14.4	177	2.21	14.2
T-27684		0.16	0.09	5.1	1.5		200	1.17	0.21	3.36	0.4	21.4	34.4	606	10.65	55.9
T-27685		0.30	0.1	7.04	2.7		370	4.88	0.38	3.52	0.25	91.5	41.4	587	14.4	44.5
T-27686		0.30	0.14	6.99	1.7		550	2.99	0.3	1.5	0.28	73.6	17	79	12.65	17.6
T-27687		0.32	0.08	7.42	4.2		690	5.05	0.31	1.12	0.12	189	8.7	55	11.15	3.3
T-27688		0.38	0.11	6.51	6.4		660	4.31	0.42	0.7	0.24	134.5	3.4	27	8.58	3.5
T-27689		0.32	0.09	7.76	3.7		660	11.85	0.44	1.24	0.59	>500	11.6	52	25.5	17.7
T-27690		0.38	0.06	7.11	4.8		910	5.12	2.63	0.93	0.31	67.4	4.5	39	14.55	11.5

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27643		4.39	24.5	0.21	1.7	0.094	2.01	32	34	1.05	529	1.49	1.92	34.2	15.6	1120
T-27644		3.58	19.6	0.27	1.7	0.083	1.14	82	48.8	0.87	438	1.59	0.82	20.4	44.6	3250
T-27645		2.98	24.9	0.21	1.9	0.062	2.41	49.7	64	1.11	456	1.55	1.41	26.4	42.1	1050
T-27646		3.44	20.5	0.18	1.8	0.067	1.58	39.1	34.4	1.13	497	1.28	1.99	24.6	32.4	1260
T-27647		3.34	20.4	0.26	2.4	0.06	1.42	45.8	49.5	0.84	483	1.64	1.26	12	31.7	2380
T-27648		3.06	18.5	0.19	2.5	0.04	1.51	29.4	28.8	1.83	463	1.18	1.89	12.9	62.9	1460
T-27649		3.52	15.55	0.24	1.2	0.063	0.99	54.3	43.6	1.02	1130	1.68	0.49	10.5	58.2	3480
T-27650		3.71	24.9	0.2	1.9	0.066	1.98	43.3	39.5	0.97	413	1.52	1.36	21.2	27	540
T-27651		5.81	26.6	0.35	1	0.114	1.07	71.2	87.6	2.84	625	0.6	3.02	38.2	23.7	1380
T-27652		2.72	22.3	0.17	2.3	0.069	1.35	34.7	25	0.56	389	1.49	2.61	22	11	800
T-27653		6.1	26.6	0.23	1.6	0.121	1.84	31.6	35.2	1.58	747	1.32	1.83	33.5	23.1	790
T-27654		6.01	25.2	0.21	1.5	0.118	1.7	33.1	33.6	1.1	2250	2.51	1.57	27.2	15.9	2150
T-27655		4.55	23.8	0.21	1.7	0.091	1.72	30.4	32	0.78	1055	2.02	1.48	28	15	860
T-27656		3.53	22.1	0.19	2	0.076	1.66	37.6	32.7	0.97	466	1.34	1.92	24.6	27.4	1460
T-27657		2.61	22.9	0.16	1.9	0.06	1.78	32.6	23.1	0.6	394	1.15	1.79	25.1	19.8	1370
T-27658		2.76	21.7	0.21	2.1	0.053	2.04	51	39.8	0.71	435	1.06	2.08	25.3	22.9	1020
T-27659		2.53	21.4	0.21	1.8	0.057	1.84	35.2	29.7	0.88	313	1.39	1.6	21.7	22.3	1620
T-27660		3.21	21.4	0.18	1.5	0.058	1.74	27.1	38.2	1.22	440	1.52	1.63	19.4	31.5	1540
T-27661		4.26	20.7	0.23	1.3	0.059	1.94	36.4	63.6	2.62	640	0.61	1.64	20.6	91.1	610
T-27662		4.15	22.6	0.23	1.3	0.058	1.8	43.3	53.6	2.09	674	0.99	1.49	19.8	71.4	1150
T-27671		4.7	33	0.25	2.5	0.102	1.87	47	144.5	0.58	682	4.37	1.34	32	17.4	1140
T-27672		3.22	23.9	0.2	2.3	0.074	1.81	28.3	63	0.63	259	2.74	1.68	23.8	17.7	870
T-27673		6.78	28.5	0.31	1.2	0.095	2.2	48.6	48.4	2.02	945	2.01	2.1	43.7	13.3	1900
T-27674		3.67	25.6	0.22	2.2	0.077	1.72	33.1	37.5	0.98	432	2.08	2.01	27.4	11	580
T-27675		4.51	25.1	0.25	1.5	0.08	1.72	32.6	38.1	1.1	1710	1.68	1.86	30.1	14.1	1100
T-27676		3.6	18.85	0.22	1.5	0.067	1.32	36	35.9	0.47	1110	2.97	0.83	17.6	13.6	3670
T-27677		2.83	22.9	0.19	1.7	0.058	1.97	26.4	45.7	0.57	334	1.34	1.83	23.2	13.4	1050
T-27678		5.36	24.5	0.27	1.2	0.094	1.78	37.4	51.4	1.6	824	1.2	1.91	29.3	26	1940
T-27679		4.28	19.1	0.23	1.7	0.052	1.43	29.9	49.8	2.65	642	1.19	1.76	16.2	86.1	1220
T-27680		4.1	19.15	0.24	1.1	0.059	1.14	47.3	45	2.02	2620	1.48	0.82	13.9	68.9	3020
T-27681		3.14	22.2	0.48	2.5	0.057	1.6	171.5	49.4	0.75	542	3.1	1.58	11.6	14.7	1030
T-27682		4.91	20.4	0.24	1.3	0.062	1.7	38.1	50.3	2.86	754	1.06	1.15	19	107.5	1020
T-27683		3.05	15.8	0.17	2.6	0.021	1.56	14.8	24.5	2.33	616	1.32	2.12	5.5	59.7	410
T-27684		5.18	12.9	0.16	0.5	0.043	0.56	8	79.8	5.6	837	0.6	0.74	7.4	231	720
T-27685		6.38	19.8	0.24	1	0.076	1.29	28.5	129.5	5.69	1290	1.04	1.01	19.7	247	1720
T-27686		7.17	29	0.24	1.5	0.101	1.83	27.8	49.2	2.03	718	1.88	1.71	36.9	23.1	880
T-27687		4.43	27.8	0.3	2.5	0.119	1.91	59.9	68.1	1.02	577	3.1	2.19	34.8	16.6	640
T-27688		3.55	25.6	0.24	3.4	0.121	2.14	36.9	52.6	0.52	365	3.52	1.74	34.7	7.5	250
T-27689		5.52	31.9	0.8	2.9	0.158	1.96	249	141.5	1.24	1460	4.15	2.24	33.8	25.7	1460
T-27690		3.32	27.1	0.23	2.5	0.075	1.83	27.7	123.5	0.68	276	4.98	1.65	27.3	15.3	1040

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27643		12	122.5	<0.002	0.03	0.43	3	7.6	112	2.56	<0.05	11.8	0.758	0.51	3.1	116
T-27644		17.8	92.1	<0.002	0.17	0.68	4	5.5	72.7	2.41	<0.05	20.7	0.358	0.48	9.1	94
T-27645		26.8	141.5	<0.002	0.02	0.71	3	8.3	93.6	2.48	<0.05	22.5	0.322	0.75	6.4	77
T-27646		15.2	83.9	<0.002	0.03	0.79	3	6	108.5	2.43	<0.05	15.2	0.488	0.47	3.6	97
T-27647		19.4	80.6	<0.002	0.09	1.11	4	4.1	248	1.08	0.1	15.2	0.317	0.46	14	101
T-27648		12.4	65.7	<0.002	0.06	0.67	3	3.7	279	1.09	<0.05	10.4	0.338	0.31	3.7	104
T-27649		19.8	90.8	<0.002	0.24	1.19	4	3.6	107.5	0.92	0.06	14.1	0.224	0.53	17.6	98
T-27650		25.6	109.5	<0.002	0.02	0.94	3	5.6	169	2.13	0.05	14.8	0.485	0.56	2.8	103
T-27651		4.2	57.9	<0.002	<0.01	0.13	3	6.6	92.2	2.54	<0.05	20.1	0.808	0.27	3.5	132
T-27652		7.2	79.8	<0.002	0.05	0.51	3	6.1	102.5	1.78	<0.05	17.3	0.364	0.27	3.5	74
T-27653		12.4	115	<0.002	0.02	0.35	3	6.7	113.5	2.45	<0.05	9.5	0.916	0.4	2.8	145
T-27654		14	124	<0.002	0.09	0.66	4	6.9	102	2.03	<0.05	15.4	0.646	0.5	4.7	133
T-27655		20.1	85.9	<0.002	0.03	1.05	3	6.9	101.5	2.03	<0.05	10.5	0.669	0.47	2.7	130
T-27656		23.1	101	<0.002	0.04	0.92	3	6.6	119	2.37	<0.05	13.6	0.549	0.47	3.2	104
T-27657		19.4	99.7	<0.002	0.04	0.71	3	7.5	98.4	2.31	<0.05	12.6	0.469	0.51	3.9	91
T-27658		17.2	105.5	<0.002	0.01	0.82	3	7	112	2.45	<0.05	22.4	0.399	0.49	4.7	75
T-27659		13.6	105	<0.002	0.06	0.85	2	6.1	99.8	1.98	0.06	10.3	0.401	0.49	4.2	98
T-27660		18	96.2	<0.002	0.05	0.64	2	5.7	83.4	1.93	<0.05	12	0.339	0.5	3.5	98
T-27661		13.1	90.9	<0.002	0.01	0.64	2	5.7	120.5	1.79	<0.05	13.2	0.442	0.5	5.7	137
T-27662		14.2	137	<0.002	0.05	0.77	2	6.7	94.1	1.95	<0.05	15.4	0.377	0.6	4.3	121
T-27671		7.7	118.5	<0.002	0.03	0.57	2	12.1	81.5	4.24	<0.05	20.7	0.522	0.55	6.3	114
T-27672		11.8	91.4	<0.002	0.02	0.82	2	7.4	104	2.09	<0.05	15.2	0.39	0.47	3.8	96
T-27673		11.3	137.5	<0.002	0.03	0.37	4	7.1	137	2.82	<0.05	10.5	1.735	0.67	3.6	246
T-27674		9	105	<0.002	0.02	0.56	2	6.7	107	2.09	<0.05	13.7	0.642	0.46	2.8	124
T-27675		9.2	114	<0.002	0.05	0.59	3	6.6	111.5	2.33	<0.05	12.2	0.748	0.45	3.4	131
T-27676		54.8	109	<0.002	0.18	1.09	2	5.6	86.1	1.66	0.27	17.7	0.393	0.54	7.8	114
T-27677		20.2	127	<0.002	0.03	0.74	2	9.1	83.6	2.69	<0.05	9.6	0.367	0.64	3.1	78
T-27678		11.6	109	<0.002	0.04	0.35	3	6.7	113.5	2.39	<0.05	14.7	0.777	0.47	4.4	140
T-27679		10.6	71.7	<0.002	0.06	0.82	2	4.7	194.5	1.8	0.08	9.7	0.372	0.39	4.9	135
T-27680		11.9	93.8	<0.002	0.16	0.94	2	4.7	102	1.2	0.05	13.6	0.285	0.59	6.3	135
T-27681		11.6	74	<0.002	0.07	0.6	3	3.6	321	0.9	<0.05	21.4	0.314	0.51	7.8	84
T-27682		11.4	96.5	<0.002	0.02	1.09	2	6.2	104	1.61	<0.05	11.6	0.472	0.58	3.4	177
T-27683		7	43.4	<0.002	0.02	0.43	1	1.3	382	0.47	<0.05	4.2	0.225	0.24	1.6	99
T-27684		3.3	61.9	<0.002	0.06	0.17	1	3.3	50.9	0.65	<0.05	2.7	0.281	0.22	1.2	185
T-27685		7.9	104.5	<0.002	0.03	0.24	2	6.9	59.2	1.66	<0.05	8.3	0.588	0.61	5.4	198
T-27686		7.6	121.5	<0.002	0.03	0.32	3	7.6	133	2.62	<0.05	9.1	1.02	0.55	3.3	185
T-27687		6.9	124.5	<0.002	0.02	0.41	2	9.9	102.5	2.4	<0.05	21.2	0.462	0.45	4.9	92
T-27688		8.2	127	<0.002	0.02	0.61	2	9.6	85.8	2.4	<0.05	15.6	0.315	0.47	4	58
T-27689		8.2	149	0.002	0.07	0.46	6	13.5	110.5	3.34	<0.05	68.9	0.521	0.81	15.1	128
T-27690		11.1	118	<0.002	0.04	0.6	2	10.1	103.5	2.37	<0.05	15.2	0.364	0.53	3.8	139

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27643		1.7	33.4	87	51.3
T-27644		1.8	39.3	73	46.6
T-27645		3	21.7	65	48.1
T-27646		2	26.5	73	54.1
T-27647		2.1	39.2	104	67
T-27648		1.2	19.8	57	72.9
T-27649		2	34.1	64	31.9
T-27650		2.1	16.8	67	54.2
T-27651		0.4	22.9	135	29.1
T-27652		1.2	19.2	51	67.8
T-27653		1.3	31.5	100	43.1
T-27654		48	33	106	43
T-27655		2.2	20	80	51.8
T-27656		2.1	27.4	71	53.4
T-27657		2.6	18.6	58	53.9
T-27658		2.4	27.6	67	53.8
T-27659		1.9	25.1	52	58.8
T-27660		1.9	16	58	50.8
T-27661		2.1	22.3	72	43.5
T-27662		2.5	24.2	87	38.1
T-27671		6.9	29.4	74	85.7
T-27672		7.7	21.6	79	75.6
T-27673		1.3	70.2	116	37
T-27674		1.9	23.4	70	76.6
T-27675		1.9	28.6	99	53.1
T-27676		2.3	24.2	74	49.6
T-27677		2.9	16.3	61	52.9
T-27678		1.7	38.8	106	39
T-27679		1.5	27.8	75	59
T-27680		1.9	31.8	101	34
T-27681		1.2	46.9	61	88.7
T-27682		2.6	23.9	100	43.1
T-27683		0.6	8.3	51	99.6
T-27684		0.4	12	75	15.1
T-27685		2	29.7	115	33.7
T-27686		1.5	32.3	99	54.1
T-27687		6.5	32.8	42	84.3
T-27688		4.1	24.8	38	112.5
T-27689		3.4	123.5	121	92
T-27690		3	22.7	73	87

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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To: EP
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.2	5	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
T-27691		0.32	0.1	7.82	3.8		1020	4.76	0.25	1.47	0.44	146	7	40	11.6	9.3
T-27692		0.22	0.13	7.84	4.8		510	3.93	0.98	0.93	0.2	68.5	7.5	71	10.65	28.8
T-27693		0.34	0.04	7.63	2.7		640	5.72	0.36	1.59	0.13	163	15	64	9.3	16.2
T-27694		0.30	0.18	8.89	1.7		450	5.68	1.49	0.87	0.18	75.3	9	65	30.5	10
T-27695		0.38	0.07	7.04	3.1		650	3.87	0.3	1.2	0.2	83.3	9.2	54	7.85	8.2
T-27696		0.20	<0.01	7.72	0.5		900	3.79	0.14	1.13	0.14	53.8	4.9	31	2.59	2.5
T-27697		0.22	0.06	8.25	2.1		1780	4.39	0.23	0.72	0.17	76.6	13.6	123	6.96	0.2
T-27698		0.34	0.07	7.49	7.9		700	5.32	0.37	1.4	0.15	129.5	14.8	66	14.95	13.6
T-27699		0.34	0.11	7.1	7.9		810	5	0.33	1.24	0.14	132.5	12.2	66	10	13.3
T-27700		0.20	0.06	6.82	5.9		720	2.26	0.61	0.84	0.09	97	5.9	75	7.51	5.3

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 28-JUL-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
T-27691		3.89	26.9	0.25	2.4	0.136	2.04	34.9	78.6	0.95	579	3.19	1.68	27.7	19.4	1170
T-27692		3.7	26.6	0.23	2.1	0.074	1.7	28.4	145	0.74	377	1.61	1.85	27.5	20.5	460
T-27693		5.19	24.6	0.35	1.8	0.088	1.47	71.1	58.7	1.48	757	1.38	2.47	33.4	21.4	1800
T-27694		4.96	32.9	0.27	1.8	0.085	2.02	34.4	116.5	0.84	692	2.44	1.41	34.5	13.6	680
T-27695		4.16	27	0.24	2	0.069	1.32	27.9	32.4	0.91	419	1.62	2.59	32.6	15.4	920
T-27696		2.67	26	0.21	3.2	0.063	0.7	25.5	16.2	0.77	207	0.95	4.23	27.6	7.6	330
T-27697		6.42	33.7	0.27	2.4	0.098	1.22	30.3	64.8	1.88	333	0.93	3.22	33.7	45.3	570
T-27698		5.08	25.7	0.31	2.1	0.097	1.83	49.9	59.6	1.23	683	1.72	2.18	32.8	21.7	2030
T-27699		4.59	24.4	0.32	2.2	0.086	1.67	54.1	66.7	1.17	577	1.83	2.13	29.5	23.5	1300
T-27700		2.88	27	0.25	2.2	0.052	1.72	45.4	38.1	0.7	388	1.64	1.12	26.1	14.6	630

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
T-27691		8.7	121.5	<0.002	0.05	0.64	2	8.9	122	1.91	<0.05	26.9	0.38	0.45	5	84
T-27692		17	123	<0.002	0.02	0.4	2	8.6	90.4	2.32	<0.05	12.1	0.455	0.67	4.9	94
T-27693		6.3	86.9	<0.002	0.01	0.32	3	6.9	116.5	2.61	<0.05	22.8	0.718	0.38	5.8	117
T-27694		16.2	198.5	<0.002	0.02	0.31	2	12.4	107	3.25	<0.05	11.5	0.808	0.84	3.9	149
T-27695		8.5	78	<0.002	0.02	0.44	2	8.3	137.5	2.47	<0.05	11.3	0.713	0.33	3.5	129
T-27696		4.7	31.6	<0.002	0.03	0.23	2	7.5	126	2.06	<0.05	12.3	0.533	0.12	3.6	75
T-27697		5.2	71.9	<0.002	0.02	0.28	2	10.1	127.5	2.02	<0.05	16.1	0.811	0.21	3.6	149
T-27698		8.5	113.5	<0.002	0.02	0.68	3	8.3	116	2.58	<0.05	18	0.721	0.5	4.8	136
T-27699		9.2	102	<0.002	0.02	0.72	3	7.6	127	2.24	<0.05	18.6	0.57	0.49	4.6	109
T-27700		21.5	102	<0.002	0.02	0.86	2	6.4	143.5	2.13	<0.05	14.9	0.613	0.64	3	125

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project: Glitter

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CERTIFICATE OF ANALYSIS VA04042403

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
T-27691		4.1	32	106	84.8
T-27692		2.4	17.5	66	66.7
T-27693		4.4	39.3	66	59
T-27694		2.9	18.5	80	56.3
T-27695		1.9	26.8	58	68.8
T-27696		0.9	26.7	30	119
T-27697		1.6	22	84	86.6
T-27698		1.9	36.8	67	75.9
T-27699		2.3	32.2	73	78.3
T-27700		2.8	15	43	73.3

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1L8

Finalized

Date: 4-AUG-2004
Account: EMP

CERTIFICATE VA04043795

Project: Glitter

P.O. No.:

This report is for 187 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2004.

The following have access to data associated with this certificate:

AL ARCHER JOAN MARIACHER	ROB CARNE VANCOUVER OFFICE	DOUG EATON BILL WENGZYNOWSKI

SAMPLE PREPARATION

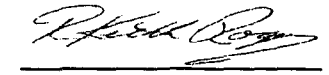
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

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

Signature: 

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CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
CC02101		0.48	0.3	8.69	4	490	8.2	1.25	0.85	0.12	166	22.7	124	26.1	60.6	6.12
CC02102		0.38	0.1	8.49	4.9	690	3.63	0.7	1.02	0.09	167	14.9	80	12.15	31.8	4.41
CC02103		0.28	0.16	8.51	2.7	800	3.11	0.54	1.4	0.08	113.5	10.2	61	12.75	32.2	3.53
CC02104		0.28	0.15	7.37	2.8	560	4.19	0.42	0.43	0.12	144	12	72	20.8	15	4.6
CC02105		0.34	0.16	9.53	5.8	870	4.72	0.68	0.58	0.07	123.5	17	91	16.85	41.3	4.77
CC02106		0.40	0.13	8.03	2.9	590	18.7	0.48	0.39	0.09	83.5	31.6	51	23.2	55	4.61
CC02107		0.24	0.18	7.12	2	780	2.49	0.62	0.67	0.04	141	5.6	48	8.72	31.3	3.2
CC02108		0.52	0.15	7.96	2.6	770	3.56	0.63	1.03	0.07	171.5	11.3	67	13.85	32.3	3.87
CC02109		0.28	0.12	8.14	6	790	4.41	0.84	0.88	0.11	165	19.5	58	14	62.2	4.75
CC02110		0.34	0.3	8.01	3	740	5.01	0.67	0.95	0.12	114	16.2	65	20.7	36.6	4.39
CC02111		0.28	0.26	8.43	2.6	710	5.55	0.72	0.75	0.08	191	17.2	76	22	39.8	4.44
CC02112		0.40	0.15	7.7	2.7	710	4.3	0.48	0.92	0.07	133	14.2	65	16	30.1	3.79
CC02113		0.48	0.1	8.06	2.2	700	4.1	0.25	0.59	0.06	108.5	14.7	63	13.5	20.6	3.26
CC02114		0.20	0.13	8.21	2.4	710	5.43	0.96	0.9	0.21	132.5	20.2	74	27.3	34.9	4.18
CC02115		0.34	0.4	8.54	2.6	590	6.09	1.01	1.08	0.09	183	16	73	28.2	51.8	4.75
CC02116		0.42	0.32	8.3	2.8	610	5.25	0.77	1.76	0.08	160.5	18.7	64	18.45	42.7	5.34
CC02117		0.36	0.13	8.54	6.8	610	4.28	0.36	0.8	0.08	122	16.6	60	15.95	30.5	5.25
CC02118		0.32	0.14	8.74	4.8	880	3.32	0.9	0.57	0.12	241	20.3	90	25.8	58.1	5.77
CC02119		0.30	0.12	7.05	3.5	590	4.23	0.74	0.97	0.22	164	14	69	18.85	30.3	3.96
CC02120		0.20	0.14	5.89	4.1	640	4.34	0.96	1.3	0.53	187	11.6	55	15.85	36.6	3.1
CC02121		0.24	0.28	6.64	2.7	580	4.34	0.95	1.38	0.69	109	36.5	46	17.95	43.5	3.64
CC02122		0.26	0.12	7.03	3.3	660	2.24	0.54	0.95	0.15	123.5	8.2	58	9.31	25.2	3.82
CC02123		0.26	0.36	3.75	1.7	400	2.36	1.38	1.38	0.32	72.9	6.3	36	9.13	21.5	1.82
CC02124		0.32	0.26	8.44	2.2	740	11.15	1.43	0.59	0.08	320	8.9	69	33.3	42.8	4.84
CC02125		0.30	0.14	8.08	11.1	780	2.99	0.8	0.73	0.21	357	10.8	64	22.3	37.9	5.64
CC02126		0.32	0.13	7.09	2.8	590	2.66	0.74	1.7	0.13	75	14.1	48	19.25	43	3.5
CC02127		0.36	<0.01	7.3	1.2	580	2.75	0.74	0.77	0.2	251	10	59	16.8	45.1	4.49
CC02128		0.36	<0.01	7.04	3.5	560	3.05	0.78	1.26	0.23	120.5	12.8	81	27.1	34.4	3.8
CC02129		0.36	<0.01	7.09	3.6	590	2.91	0.48	0.8	0.18	180	10	87	16.65	19	3.23
CC02130		0.40	<0.01	8.94	5.9	890	3.26	0.61	0.67	0.05	131.5	11.8	72	12.3	30.5	3.82
CC02131		0.34	<0.01	9.3	5.2	870	3.51	0.59	0.51	0.03	139	13	86	14.3	30.3	4.3
CC02132		0.24	0.3	9.5	4	880	2.97	0.7	1.52	0.05	101.5	9.8	49	13.55	35.1	3.95
CC02133		0.48	<0.01	8.22	2.4	810	4.01	0.32	0.67	0.04	137	13.2	73	10.3	25.1	4.45
CC02134		0.36	0.02	7.81	2.2	680	4.09	0.69	0.65	0.03	155.5	11.4	74	19.6	27.7	3.91
CC02135		0.40	0.02	8.46	2.1	720	4.01	0.81	0.93	0.06	165.5	15.4	103	15.2	28.3	4.63
CC02136		0.30	<0.01	8.36	2.5	740	3.44	0.33	1.42	0.12	169.5	13.3	71	8.15	19.8	3.84
CC02137		0.34	0.02	7.78	5.3	770	2.99	0.7	0.58	0.07	174.5	7.7	82	10.35	15.3	3.14
CC02138		0.38	<0.01	8.12	4.2	830	3.38	1.25	0.69	0.07	168	6.5	70	13.75	16	2.89
CC02139		0.34	<0.01	7.39	4.8	470	6.63	3.92	0.4	0.03	90.9	7	41	11.75	15.1	3.19
CC02140		0.38	<0.01	7.72	3.9	670	3.03	1.08	0.64	0.09	143.5	10.6	84	13.45	23.4	4.71

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC02101		25.1	0.43	0.6	0.078	2.2	82.8	86.6	0.92	811	1.74	0.51	38.8	67	1280	23.4
CC02102		23.6	0.4	1.4	0.058	2.53	80	73	0.93	513	1.42	1.06	17.8	36.5	920	26.2
CC02103		26.2	0.31	2.2	0.062	2.54	59.6	68.8	1.02	408	1.61	1.38	15.6	28.2	990	21.3
CC02104		23	0.37	1.2	0.049	2.06	69.9	62.8	0.47	534	0.87	0.68	15.6	28.6	1040	31.4
CC02105		28.9	0.37	0.9	0.075	3.19	64.1	94.4	0.98	611	0.91	0.83	19.3	47.4	670	23.2
CC02106		23.1	0.3	1	0.048	2.7	38.6	99.2	0.81	1095	1.18	0.86	13.2	60.3	780	30.1
CC02107		21.6	0.36	1.8	0.038	2.74	69.5	51.4	0.74	374	1.14	1.03	11.5	12.2	1060	19.6
CC02108		24.4	0.43	1.4	0.056	2.51	89.8	69.8	0.92	857	1.06	1.06	16.6	25.5	1120	23.6
CC02109		24.8	0.43	1.2	0.056	2.89	84	86.2	0.87	1270	1.46	0.85	11	45.4	810	26.9
CC02110		24.4	0.38	1.2	0.057	2.34	57.4	126.5	0.96	767	1.08	0.77	15.8	48.2	860	20.4
CC02111		25.1	0.48	1.1	0.058	2.41	98.3	132.5	1	753	0.96	0.69	16.6	43.9	1060	22.5
CC02112		23.2	0.39	1.3	0.051	2.36	62.3	121.5	0.98	561	0.79	0.94	15	40.1	810	19.5
CC02113		23	0.34	0.9	0.046	2.78	49.5	155	0.83	578	0.39	0.48	12.2	40.2	780	18.8
CC02114		24.9	0.39	1	0.055	2.15	63.9	109.5	0.84	1615	0.95	0.77	17.1	45.4	770	23.3
CC02115		26.9	0.45	1	0.073	2.31	93.9	156.5	1.02	591	1.27	0.72	14.7	53.9	1040	23.1
CC02116		28.1	0.41	1.4	0.077	2.5	78.9	123.5	1.37	832	0.81	1.1	16.5	53.1	1120	21.2
CC02117		25.7	0.33	1.5	0.052	2.66	54.9	134.5	0.7	473	0.7	0.93	11.2	48.5	780	26.1
CC02118		34.1	0.53	1.5	0.089	3.69	121.5	100	0.91	527	0.98	0.8	24.4	66.8	810	27.8
CC02119		23.1	0.38	0.7	0.053	2	81.6	111	0.85	817	0.73	0.78	18.8	46.1	1190	20
CC02120		19.75	0.42	1.2	0.044	1.67	89.3	49.8	0.59	1320	1.1	0.79	15	44.6	1360	18.6
CC02121		19.6	0.3	1.5	0.046	1.58	50.5	76.8	0.7	2210	1.22	0.92	9.4	51.6	1410	24.2
CC02122		24.2	0.33	1.4	0.054	2.16	58	42.7	0.73	324	1.06	0.98	14	22.1	890	15.9
CC02123		12.2	0.21	1	0.038	0.94	37.1	16.9	0.32	232	1.42	0.54	9.8	17.1	1200	14.3
CC02124		29	0.62	1.1	0.069	3.28	164	91.6	0.93	390	1.53	0.74	21.4	19.9	790	31.5
CC02125		28.5	0.67	0.9	0.071	3.07	181.5	139	1.02	511	1.6	0.74	17.6	30.6	970	32.2
CC02126		18.95	0.19	1.6	0.038	1.58	48.3	59.6	0.94	534	1.14	1.28	10.4	37.2	1680	15.5
CC02127		21.7	0.31	0.7	0.047	2.24	117.5	72.2	1.04	342	1.36	0.92	13.8	25.7	1270	21.4
CC02128		19.45	0.21	0.7	0.042	1.86	60.7	66.1	0.94	599	1.16	0.94	13.9	35.1	1430	20.8
CC02129		22.2	0.24	0.9	0.041	2.05	86.7	58.4	0.76	447	1.03	1.02	15.4	25.3	840	18.2
CC02130		28.3	0.22	1.3	0.056	3.05	62.3	69.6	0.77	484	1.24	1.05	15.7	28.8	670	20.4
CC02131		29.4	0.22	0.9	0.064	2.99	65.8	84.5	0.86	484	1.02	0.8	18.4	32.5	640	22.1
CC02132		26.5	0.21	2	0.05	2.76	52.7	76.7	0.98	605	1.81	1.71	11	20.5	940	19.8
CC02133		24.3	0.25	0.8	0.05	2.14	65.2	122.5	0.92	530	0.89	0.84	15.1	39.8	620	13.5
CC02134		23.1	0.24	1.1	0.047	2	73.9	109	0.94	459	1.04	0.81	16.6	33.1	1040	21.1
CC02135		27.2	0.25	1.1	0.069	2.39	78.8	111	1.3	491	1.17	1.03	24.4	38.2	870	20.8
CC02136		24.6	0.24	1.4	0.047	2.33	72	93.7	1.16	534	0.73	1.75	14	42.9	3330	16.7
CC02137		30.3	0.25	1.6	0.05	2.24	86.2	41.1	0.49	545	1.36	0.86	24.4	22	490	25.1
CC02138		29	0.26	1.6	0.05	2.46	84.2	48.4	0.52	364	1.33	1.22	23.9	17.6	500	30.6
CC02139		22.9	0.15	0.9	0.036	2.42	42.5	89.5	0.47	230	0.86	1.47	17.3	21.5	600	24.4
CC02140		24.7	0.24	0.8	0.057	2.29	71.2	78.1	0.95	448	0.94	0.91	18.2	28.8	870	24.1

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
CC02101		202	<0.002	0.03	0.38	2	11	115.5	2.95	<0.05	23	0.82	1.08	10.9	150	75.3
CC02102		143	<0.002	0.05	0.49	2	5.2	194	1.78	<0.05	27.6	0.487	0.78	7	95	2.3
CC02103		140	<0.002	0.05	0.51	2	4.7	315	1.44	<0.05	20.2	0.419	0.71	5.7	84	2.2
CC02104		142	<0.002	0.07	0.46	2	6.7	112	1.46	<0.05	29.7	0.438	0.74	5.8	94	2.2
CC02105		201	<0.002	0.05	0.31	2	7.4	145	1.96	0.06	21.8	0.5	1.07	4.9	94	3.7
CC02106		222	<0.002	0.06	0.19	2	7.4	139.5	1.79	<0.05	16.5	0.282	1.3	6.3	54	2.8
CC02107		131.5	<0.002	0.16	0.31	2	3.5	229	1.2	0.05	24.5	0.369	0.72	5.4	66	1.5
CC02108		149.5	<0.002	0.06	0.44	2	5.3	217	1.63	0.05	30	0.451	0.77	7.1	86	2.7
CC02109		180.5	<0.002	0.22	0.47	2	4.3	215	1.05	0.1	26.4	0.344	1.03	6.7	69	3.2
CC02110		154	<0.002	0.07	0.25	2	5.3	198	2.39	0.05	19.4	0.404	0.83	6.9	82	2.5
CC02111		168.5	<0.002	0.12	0.25	2	5.8	141.5	1.78	0.05	31.5	0.457	1.08	10.5	84	3.1
CC02112		157	<0.002	0.04	0.22	2	4.7	196	1.42	<0.05	22.3	0.405	0.77	6.3	79	2.2
CC02113		184	<0.002	0.02	0.13	1	4.7	107.5	1.17	<0.05	22.3	0.367	0.92	3.9	72	2.2
CC02114		213	<0.002	0.06	0.34	2	6	150.5	1.91	0.06	19.8	0.455	1.04	8.9	88	2.9
CC02115		183	0.002	0.09	0.35	2	6.1	175.5	1.74	0.06	27	0.409	0.89	10.7	84	2.8
CC02116		145	0.002	0.05	0.21	2	5.6	299	2.42	0.06	26.3	0.519	0.87	8.8	110	2.3
CC02117		181.5	<0.002	0.04	0.23	2	3.2	188	1.03	<0.05	23.4	0.371	1.07	7.1	79	1.9
CC02118		239	0.002	0.05	0.31	2	7.6	124	2.38	0.07	40.9	0.615	1.12	7.6	111	5.3
CC02119		156.5	<0.002	0.1	0.27	2	5.9	146	1.65	0.05	25.2	0.445	0.8	7.5	74	1.8
CC02120		151.5	<0.002	0.11	0.57	2	4.2	171.5	1.37	0.07	27.7	0.381	0.76	13	73	1.5
CC02121		111	0.002	0.15	0.56	2	3.7	220	1.07	<0.05	10.5	0.273	0.73	12.6	60	1.5
CC02122		104	<0.002	0.06	0.37	1	4.5	209	1.29	0.05	19.6	0.438	0.5	4.7	87	2.1
CC02123		60.8	<0.002	0.18	0.38	2	2.5	148.5	0.83	0.05	12.7	0.241	0.51	11.7	50	1
CC02124		264	0.002	0.26	0.22	2	9.1	154.5	3.61	0.07	55.8	0.49	1.35	13.1	90	2.3
CC02125		210	0.002	0.37	0.12	2	4	154.5	1.62	0.05	65.1	0.482	1.07	11.5	84	16.2
CC02126		111	<0.002	0.18	0.47	1	2.5	310	0.98	<0.05	12.2	0.347	0.53	11.8	73	1.6
CC02127		153.5	<0.002	0.15	0.19	1	3.4	155.5	1.37	0.07	45.6	0.383	0.79	10.2	71	1.4
CC02128		183	<0.002	0.18	0.4	1	3.7	160	1.32	0.06	21.6	0.358	0.76	7.5	71	2.3
CC02129		153.5	<0.002	0.07	0.4	1	4.1	136	1.41	0.05	30.7	0.429	0.74	6.8	80	2.1
CC02130		177.5	<0.002	0.04	0.57	1	5.8	198.5	1.62	<0.05	21	0.424	1.01	5.6	86	3.9
CC02131		181.5	<0.002	0.03	0.49	1	6.5	136	2.03	<0.05	21.5	0.487	1.02	5.8	94	3.8
CC02132		142.5	<0.002	0.06	0.56	1	3.7	391	1.03	<0.05	16.3	0.371	0.85	5.9	75	2.4
CC02133		134	<0.002	0.01	0.16	1	3.6	243	1.71	<0.05	27.1	0.425	0.76	7	75	2.3
CC02134		131.5	<0.002	0.05	0.25	1	5.2	148.5	1.78	<0.05	26	0.429	0.86	8.7	79	2.6
CC02135		140	<0.002	0.04	0.24	1	6.9	169	2.34	<0.05	26.2	0.601	0.94	7.1	108	7
CC02136		128.5	<0.002	0.03	0.27	1	3.2	231	1.28	<0.05	29.8	0.416	0.74	6.6	78	1.7
CC02137		122.5	<0.002	0.04	0.84	1	6.1	125	2.58	0.06	29.9	0.633	0.79	5.9	130	4.5
CC02138		136.5	<0.002	0.04	0.75	1	6.8	183.5	2.31	0.05	30.8	0.592	0.75	6.5	112	3.1
CC02139		162.5	<0.002	0.02	0.34	1	8.4	87	3.28	<0.05	18.1	0.277	0.88	4.4	56	2.6
CC02140		139	<0.002	0.08	0.37	1	5	121	1.72	0.06	24.5	0.492	0.8	5.4	91	16.6

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC02101		25.6	124	16.3
CC02102		16.8	86	43.9
CC02103		16.3	87	85.7
CC02104		12.8	84	40.7
CC02105		16.2	94	32.2
CC02106		14.3	109	34.5
CC02107		13.4	67	65.3
CC02108		19.9	74	48.5
CC02109		18.4	100	41.5
CC02110		17.6	106	43.4
CC02111		23.9	97	36.3
CC02112		16.8	86	45
CC02113		14.7	65	32.2
CC02114		21.6	97	33.2
CC02115		21.5	105	34.2
CC02116		23.1	114	46
CC02117		15	91	53.6
CC02118		22.9	115	49.4
CC02119		18.4	91	23.4
CC02120		26.8	73	39.4
CC02121		27.9	101	53.3
CC02122		13.6	72	51.1
CC02123		13.4	26	36.1
CC02124		20.4	102	34
CC02125		22.6	126	32.3
CC02126		23.4	118	56.1
CC02127		18.3	74	24
CC02128		14.8	86	22.3
CC02129		14	74	28.8
CC02130		13.3	84	45.2
CC02131		12.8	87	29.7
CC02132		14.1	78	72.9
CC02133		15.4	67	26.1
CC02134		16.6	97	35.9
CC02135		15.3	82	35.1
CC02136		30.8	71	52.1
CC02137		15.3	53	55.4
CC02138		13.6	49	49.4
CC02139		8.2	41	25.9
CC02140		12.4	78	24.7

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC02141		0.44	<0.01	7.51	3.9	650	3.17	1.03	0.68	0.1	156.5	9.1	72	12.35	20	3.52
CC02142		0.42	<0.01	8.07	5	620	4.17	0.82	0.72	0.09	159	9.9	72	10.6	20.9	4.19
CC02143		0.34	0.14	7.34	3.7	580	5.1	1.04	1.14	0.15	148	19	56	19.8	39.5	4.03
CC02144		0.42	0.48	7.29	4.2	540	5.18	1.47	1.33	0.15	145	17.8	62	26.4	45.6	4.03
CC02145		0.30	0.75	8.37	4.1	580	4.84	1.55	1.6	0.11	97.6	13.4	55	25.5	43.9	4.21
CC02146		0.40	<0.01	7.37	2.2	600	3.67	0.35	1.44	0.14	127	13	56	10.55	18.3	3.61
CC02147		0.50	0.15	8.68	4	750	3.92	0.49	1.43	0.07	89.9	12.6	57	13.85	28.4	3.63
CC02148		0.40	0.02	7.21	3.4	540	3.4	0.9	1.55	0.18	149.5	15.8	94	15.8	21.8	4.24
CC02149		0.40	<0.01	9.77	1.5	570	7.01	1.04	0.58	0.15	231	20.3	85	34.9	31.3	6.15
CC02150		0.42	<0.01	8.52	1.6	830	5.57	0.77	0.56	0.07	282	6.3	72	25.1	22.1	4.6
CC02151		0.34	<0.01	7.71	4.6	950	2.95	0.59	1.4	0.06	94.8	6.8	77	4.34	12.6	2.29
CC02152		0.42	<0.01	8.47	3.1	580	6.44	3.73	0.42	0.11	252	14.7	58	18.4	51.8	6.27
CC02153		0.46	0.29	10	12.8	720	5.56	0.74	0.16	0.09	333	14.9	75	12.65	27.8	4.43
CC02154		0.44	<0.01	7.95	3	600	3.69	0.58	0.69	0.11	225	16.2	83	17.9	22.2	4.49
CC02155		0.44	0.26	7.98	2.3	520	3.58	0.58	1.25	0.09	131.5	11.3	90	15	29.1	3.46
CC02156		0.46	<0.01	7.99	3.1	640	3.62	0.45	0.88	0.09	156	14.9	83	17.55	26	4.52
CC02157		0.42	<0.01	7.98	3.9	660	3.22	0.63	1.17	0.14	142	11.4	75	18.25	21.7	4.21
CC02158		0.28	0.09	7.36	2.1	880	1.32	0.14	1.66	0.04	35.9	3.9	4	1.95	16.3	1.38
CC02159		0.26	0.02	8.29	1.9	720	2.9	0.83	0.99	0.05	156.5	10.8	83	15.45	18.8	3.8
CC02160		0.28	<0.01	7.61	4.7	760	1.75	0.36	1.34	0.09	100.5	8.3	57	7.9	27.7	3.22
CC02161		0.40	<0.01	8.27	4.1	760	4.31	0.66	1.05	0.07	138	15.2	71	12.2	27.9	4.15
CC02162		0.34	0.06	9.05	6.4	790	3.19	0.5	0.66	0.13	190	14.2	94	9.66	30.6	4.57
CC02163		0.28	0.05	7.2	1.4	770	3.68	0.68	0.57	0.04	140.5	13.8	62	17.1	21.6	4.13
CC02164		0.26	0.15	6.53	3.4	580	2.94	0.9	0.45	0.1	149.5	8.2	63	12.55	24.4	3.97
CC02165		0.24	0.07	8.94	1.5	960	3.15	0.99	0.33	0.09	203	9	83	9.28	56	5.65
CC02166		0.36	0.07	6.42	3.6	470	3.24	0.83	0.52	0.15	100.5	7.3	61	8.67	19.1	3.93
CC02167		0.28	0.05	6.32	3.9	760	3.96	0.5	0.46	0.08	154	4.6	64	11.5	16.7	2.75
CC02168		0.26	0.05	7.29	3.6	750	3.25	0.76	0.76	0.23	132.5	18.7	74	16.25	20.8	4.14
CC02169		0.30	0.12	7.51	1.6	780	1.26	0.13	2.17	0.07	31.9	5.8	5	1.35	18.5	1.69
CC02170		0.22	1.42	5.63	3.7	450	5.8	0.9	0.73	0.3	102.5	16.1	48	12.75	47.9	4.29
CC02171		0.28	0.11	8.3	3.6	680	4.63	0.73	0.81	0.24	122.5	17.2	72	14.95	39.7	4.91
CC02172		0.24	0.07	7.16	1.9	730	1.44	0.21	1.76	0.07	42.5	6.2	15	2.58	18.1	2.14
CC02173		0.20	0.2	6.41	2.7	510	3.1	0.55	1.4	0.37	105.5	10.9	51	14.7	25.3	3.57
CC02174		0.40	<0.01	7.74	3.2	560	3.96	0.81	1.07	0.11	201	13.6	66	14.85	22	4.3
CC02175		0.22	0.02	7.54	4.1	580	4.28	0.88	0.87	0.23	180	18.7	69	20	24.1	4.99
CC02176		0.34	<0.01	7.07	4	640	2.91	0.6	0.87	0.1	160.5	7	64	10.9	16	2.78
CC02177		0.38	<0.01	8.06	4.9	710	3.28	0.76	0.75	0.09	145.5	8.6	79	12.65	27.7	4.05
CC02178		0.20	0.52	3.61	2.4	420	2.23	0.55	1.49	0.44	55.8	11.8	39	10.05	30.9	2.76
CC02179		0.56	<0.01	7.5	3.8	600	3.1	0.56	1.13	0.17	156	12.2	87	11.75	22.9	3.88
CC02180		0.34	0.04	7.93	1.5	780	2.07	0.35	0.92	0.06	86.6	9.2	48	9.19	28.7	3.48

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC02141		23.9	0.22	0.9	0.049	2.32	75.7	74	0.8	474	0.8	0.94	17.6	26.7	960	21.1
CC02142		23.8	0.24	0.9	0.05	2.18	73.4	75.5	0.81	543	0.89	1.14	16.6	26.6	690	27
CC02143		20.4	0.28	1.4	0.046	1.66	86.8	109	0.77	1365	1.41	1.06	13.4	37.3	1640	22.6
CC02144		21.7	0.29	1	0.047	1.84	95.1	107.5	0.72	1090	1.34	0.84	11.5	45	1480	31
CC02145		22.7	0.26	1.7	0.048	1.92	63	115.5	0.9	496	1.44	1.32	10.5	43.1	1520	22.9
CC02146		21.1	0.23	1.3	0.044	1.84	61.3	63	0.91	869	0.97	1.21	13.6	26.5	730	15.8
CC02147		25.7	0.2	2.1	0.053	2.51	51.4	76.4	0.93	629	1.27	1.64	13	31.3	820	17.9
CC02148		22.6	0.27	1	0.062	1.65	73	53.8	1.3	782	0.97	1.34	25.2	33.9	1580	17.1
CC02149		28	0.33	0.8	0.055	2.54	107.5	142	1	579	1.32	0.54	16.7	34.7	620	27.7
CC02150		27.1	0.34	0.9	0.065	2.97	133.5	97.8	1.02	336	1.39	0.82	20	11	730	34.4
CC02151		27.4	0.17	2	0.056	2.05	46	26.7	0.86	422	2.82	2.23	27	24	490	14.7
CC02152		23.9	0.37	1.3	0.06	2.54	122.5	68.2	0.41	196	2.49	0.67	15	33.6	860	29.1
CC02153		33.5	0.46	1	0.077	4	171.5	43.2	0.45	714	1.79	0.15	16.1	30.4	550	29.1
CC02154		24.3	0.32	0.7	0.057	2.11	111.5	103.5	1.1	523	1	0.83	18.1	33.2	750	23.6
CC02155		24.5	0.27	0.6	0.061	2.02	84.5	121.5	1.2	464	0.71	0.9	16.1	35.7	950	22.5
CC02156		24.9	0.25	0.8	0.057	2.18	77.4	108.5	1.15	555	0.89	1.07	18.9	45.1	970	18.8
CC02157		22.7	0.25	1.1	0.051	1.72	72	68.2	1	547	1.13	1.07	16.4	30.5	1460	20.3
CC02158		17.5	0.09	3.5	0.014	2.26	17.8	20.8	0.42	347	1.68	2.74	5.2	2.4	400	8.8
CC02159		26	0.22	1	0.049	2.23	71	76.3	1.05	538	1.11	1.11	22.1	26.7	740	20.4
CC02160		23.7	0.19	2.5	0.052	2.13	51.2	40.9	0.91	370	1.63	1.66	14.4	17.4	1020	17.8
CC02161		25.3	0.27	1.7	0.056	2.37	64.2	89.3	1.08	606	1.04	1.24	17.8	34.2	950	21.5
CC02162		27.9	0.33	1.2	0.061	2.76	89.9	90.4	1.16	650	0.94	1.14	17.3	38.2	1100	23.5
CC02163		21.9	0.26	1	0.04	2.72	58.5	96.3	0.96	396	0.81	1.02	12	35.8	890	15.1
CC02164		20.4	0.26	0.8	0.043	2.07	69.3	70.2	0.71	367	0.71	0.73	14	21.1	1210	21.2
CC02165		28	0.35	0.9	0.069	4.2	92.6	113.5	1.22	417	1.46	0.75	17.5	20	970	17.5
CC02166		19.8	0.2	0.8	0.044	1.62	45.7	66.4	0.66	375	0.69	0.83	13.4	21.8	1070	20.8
CC02167		23.4	0.24	2.4	0.043	2.1	71	47.5	0.33	252	1.44	0.84	23	16	660	18.1
CC02168		25.3	0.25	1.3	0.057	2.33	60.3	104	0.79	1050	1.29	0.81	18.6	28.5	1450	23.1
CC02169		18.75	0.09	3.5	0.016	2.04	15.1	20.2	0.64	435	1.6	2.76	5	4.5	370	8.3
CC02170		15.1	0.29	0.9	0.045	1.2	62.1	56.9	0.54	2410	2	0.51	8.7	28.2	2810	18.2
CC02171		24.3	0.25	1	0.061	2.41	59.4	116.5	0.87	1150	2.03	0.81	17.5	33.6	1090	22.8
CC02172		18.56	0.12	3.2	0.021	1.89	20.4	22.3	0.63	459	1.56	2.3	7.5	6.7	740	10.6
CC02173		18.05	0.2	1	0.048	1.48	51.6	61.3	0.92	602	1.1	1.1	14	30.9	1360	17.6
CC02174		21.8	0.36	1.2	0.055	1.73	93.7	74.9	1.06	618	1.04	1.12	17	32.6	1090	22.3
CC02175		22.1	0.31	1.2	0.06	1.82	88.5	78.9	0.93	1145	1.44	0.81	17.1	36.4	1330	24.4
CC02176		22.8	0.25	1.2	0.049	2.09	77.7	47.4	0.66	391	1	1.06	18.4	21.7	940	22
CC02177		25.4	0.28	1.2	0.067	2.46	72.3	61.4	0.83	377	1.42	0.95	20.3	26	510	24.9
CC02178		9.7	0.16	0.5	0.03	0.74	30.9	29.6	0.39	1280	1.3	0.37	5.9	31.5	2290	14.4
CC02179		22.8	0.28	1	0.057	2.08	78.8	67.3	1.05	606	0.88	1.07	20.6	35.4	640	20.1
CC02180		24.4	0.19	1.9	0.043	2.45	38	51.1	0.77	399	1.18	1.48	12.4	30.6	480	16.8

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
CC02141		145	<0.002	0.07	0.4	1	5.4	125	1.56	0.06	29.1	0.469	0.9	6.5	89	3.9
CC02142		128	<0.002	0.04	0.48	1	5.1	135	1.75	0.06	26.1	0.459	0.83	6.4	89	3.2
CC02143		117.5	<0.002	0.12	0.42	2	3.7	210	1.41	0.05	18.8	0.348	0.68	19.2	68	2
CC02144		154	<0.002	0.12	0.48	2	4.1	202	1.11	0.06	21.1	0.309	0.83	22.5	69	1.7
CC02145		129.5	<0.002	0.12	0.45	1	4	308	1.1	<0.05	17.6	0.328	0.73	17.2	77	1.8
CC02146		115.5	<0.002	0.03	0.26	1	5.6	262	1.5	<0.05	21.6	0.404	0.61	5.2	75	1.7
CC02147		143.5	<0.002	0.03	0.45	1	4.6	349	1.56	<0.05	16	0.371	0.72	7.1	78	2
CC02148		164	<0.002	0.07	0.37	1	5.2	156.5	2.28	0.06	24.4	0.572	0.5	6	102	1.4
CC02149		268	<0.002	0.12	0.17	1	5.6	100.5	2.41	0.07	38.3	0.458	1.36	11	86	1.7
CC02150		211	<0.002	0.25	0.2	1	8	124.5	2.08	0.05	53.3	0.518	1.34	10.8	92	3
CC02151		86.6	<0.002	0.01	0.69	1	8.4	174	2.29	<0.05	18	0.525	0.47	3.4	103	2.7
CC02152		187.5	<0.002	0.18	0.19	1	8.3	104.5	1.52	0.11	49	0.368	0.89	10.6	71	4.6
CC02153		299	<0.002	0.03	0.52	1	6.8	58.4	1.44	<0.05	64	0.434	1.59	14.5	92	6.6
CC02154		168.5	<0.002	0.05	0.25	1	4.7	143	1.69	<0.05	37.2	0.485	0.76	8.5	86	1.9
CC02155		154.5	<0.002	0.12	0.44	2	4.2	176	1.35	<0.05	24	0.437	0.92	10.1	80	2.1
CC02156		180.5	<0.002	0.06	0.31	1	4.2	156.5	1.81	<0.05	26.9	0.495	0.78	6.2	90	1.9
CC02157		115.5	<0.002	0.09	0.36	1	4	209	1.79	<0.05	22.5	0.432	0.65	8.3	78	2.3
CC02158		54.1	<0.002	0.01	0.56	<1	0.8	538	0.49	<0.05	5.4	0.164	0.29	2.7	25	0.6
CC02159		134	<0.002	0.03	0.32	1	6.4	172	2.05	<0.05	24.7	0.567	0.75	5.8	99	3.7
CC02160		98.7	<0.002	0.05	0.74	1	3.5	321	1.31	<0.05	16.6	0.437	0.63	4	89	1.6
CC02161		134	<0.002	0.03	0.4	1	5.6	233	2.22	<0.05	22.1	0.428	0.71	7.1	85	2.5
CC02162		168	<0.002	0.09	0.57	1	4.8	145	1.56	<0.05	32.7	0.457	0.85	7	98	2.6
CC02163		163.5	<0.002	0.07	0.17	<1	4.9	137.5	1.23	<0.05	22.5	0.317	0.87	5.9	66	1.8
CC02164		132	<0.002	0.12	0.32	1	4.2	101.5	1.29	0.06	28.3	0.366	0.75	5.5	69	2.7
CC02165		211	<0.002	0.37	0.16	1	4	191	1.5	0.11	35.6	0.48	1.12	7.7	86	1.9
CC02166		101	<0.002	0.09	0.31	1	3.6	106	1.26	0.05	18.5	0.343	0.63	3.9	67	1.6
CC02167		110	<0.002	0.03	0.77	1	8.7	118	3.67	0.06	28	0.549	0.84	5.6	109	5.2
CC02168		231	<0.002	0.09	0.47	1	4.9	145.5	1.64	0.05	23.1	0.451	0.88	5.2	94	2.3
CC02169		44.8	<0.002	0.02	0.42	<1	0.8	669	0.43	<0.05	4.6	0.179	0.24	2.5	35	0.5
CC02170		87.4	<0.002	0.23	0.54	2	2.6	122.5	0.78	0.06	14.8	0.223	0.74	25.9	52	1.7
CC02171		152.5	<0.002	0.08	0.33	1	6.9	154	1.78	0.05	21.4	0.381	0.78	6.2	76	3.8
CC02172		55.6	<0.002	0.04	0.48	<1	1.4	509	0.61	<0.05	6.5	0.25	0.28	2.4	49	0.7
CC02173		116	<0.002	0.13	0.5	1	3.5	192	1.29	<0.05	21.4	0.334	0.52	7.7	65	1.6
CC02174		134	<0.002	0.06	0.3	1	4.7	202	1.64	<0.05	35.7	0.433	0.74	9.9	78	2.8
CC02175		156	<0.002	0.08	0.3	1	4.5	151.5	1.74	<0.05	34.9	0.404	0.87	11.1	78	3.8
CC02176		126	<0.002	0.06	0.42	1	5.8	145.5	1.71	<0.05	30.8	0.387	0.69	5.1	75	2.3
CC02177		153	<0.002	0.05	0.44	1	5.4	140.5	1.8	0.05	27.9	0.475	0.8	4.7	96	2.9
CC02178		67.8	<0.002	0.34	0.38	1	2	171.5	0.55	<0.05	9.8	0.181	0.61	14.6	38	0.9
CC02179		165.5	<0.002	0.04	0.4	1	4.7	167	1.79	<0.05	31.5	0.466	0.72	5.3	83	10.6
CC02180		121.5	<0.002	0.04	0.32	<1	3.3	296	1.13	<0.05	17.8	0.374	0.71	3.6	70	2.3

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC02141		14.6	69	30.7
CC02142		14.8	74	27.1
CC02143		31.5	114	46.2
CC02144		30.6	86	33.1
CC02145		27.7	90	56.6
CC02146		22.4	88	43.7
CC02147		17.6	95	71.9
CC02148		18.9	97	33.6
CC02149		16.1	132	25.8
CC02150		15.6	96	27.6
CC02151		17.9	39	66
CC02152		17.6	104	41.3
CC02153		22.2	86	32.8
CC02154		16.2	88	22.7
CC02155		26.7	83	18.5
CC02156		14.8	94	25.9
CC02157		17	83	36.4
CC02158		6.2	45	125
CC02159		13.4	74	33.7
CC02160		13.9	64	85.1
CC02161		17.1	78	53.8
CC02162		15.4	94	36.9
CC02163		13.8	72	35.5
CC02164		12	67	23.9
CC02165		15.6	107	31.9
CC02166		9.2	58	26.3
CC02167		13.9	40	81.8
CC02168		13.6	104	42.7
CC02169		7.4	48	123
CC02170		36.7	63	30.1
CC02171		15.8	92	29.6
CC02172		8	51	112
CC02173		15.8	112	31.2
CC02174		21	111	33
CC02175		18.8	133	32.1
CC02176		14	51	32.4
CC02177		13.4	66	33.7
CC02178		17.6	40	13.1
CC02179		16.2	84	27.2
CC02180		9.5	62	62.3

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC02181		0.26	0.06	7.55	1.3	790	1.72	0.28	1.19	0.07	76.5	8	32	6.51	33.1	2.9
CC02182		0.26	0.07	8.76	3	740	6.15	1.17	0.68	0.16	91	27.9	71	20.3	59.2	5.27
CC02183		0.26	0.03	9.14	1.9	850	4.38	0.77	0.55	0.32	130	14.2	90	22.5	49.8	6.01
CC02184		0.26	<0.01	7.73	2	750	3.17	0.71	0.52	0.13	158.5	12.7	71	12.2	38.9	4.8
CC02185		0.42	<0.01	8	2.3	750	4.47	1.39	0.89	0.12	167	20.4	64	10.65	28.4	4.17
CC02186		0.32	<0.01	7.65	5.2	730	3.47	0.83	0.98	0.1	126.5	12.5	99	11.6	22.3	4.23
CC02187		0.42	<0.01	7.91	4.4	870	3.65	0.51	0.54	0.09	118.5	14.3	72	9.97	22.1	4.03
CC02188		0.34	<0.01	7.83	3.6	730	3.79	1.11	0.67	0.08	181	10	73	12.95	16	3.55
CC02189		0.36	<0.01	8.07	4.9	740	6.81	1.92	0.76	0.11	163.5	14.4	77	18.5	22.5	4.3
CC02191		0.46	<0.01	6.95	5.9	560	2.79	1.58	0.66	0.15	122	8.2	73	8.5	19.9	3.82
CC02192		0.34	1.82	4.91	12.2	330	2.71	1.86	0.17	0.13	43.5	2.6	34	13.35	35.3	1.46
CC02193		0.46	0.34	7.82	9.3	690	3.41	1.37	0.81	0.11	111	7.5	69	11.8	25.4	3.23
CC02194		0.34	1.43	7.14	14.6	580	4.15	2.55	0.64	0.24	51.9	10.5	53	18.1	43.9	4.22
CC02195		0.44	<0.01	9.51	2.5	750	2.73	0.67	1.01	0.06	161.5	11.2	69	15.4	31.6	4.05
CC02196		0.46	0.09	9.95	2.1	840	5.33	1.79	0.5	0.1	343	9	73	20.8	63	7.24
CC02197		0.52	0.03	7.67	6.8	670	3.22	1.01	0.74	0.14	126	11.7	81	14.8	21.7	4.69
CC02198		0.46	<0.01	9.33	9.1	540	5.88	2.84	0.68	0.13	190	17.1	69	20.5	46.4	5.68
CC02199		0.50	<0.01	8.7	4.2	720	4.89	0.64	0.63	0.08	264	12.8	76	29.7	40.1	4.87
CC02200		0.18	<0.01	8.09	5.9	710	3.19	0.69	0.7	0.1	137	10.7	83	12.1	29.3	3.95
CC02201		0.44	0.06	8.79	3.8	690	3.5	0.67	0.69	0.05	217	10	62	14.65	35.4	4.48
CC02202		0.36	<0.01	7.27	4.3	650	2.54	0.62	1.15	0.1	85.6	8.2	60	7.97	18.6	2.98
CC02203		0.46	0.05	8.57	4.3	790	2.78	0.53	0.6	0.12	145.5	12	73	9.64	38.4	3.7
CC02204		0.42	0.02	8.97	4.1	730	3.01	0.61	0.42	0.1	173.5	12.9	69	10.15	38.6	4.51
CC02205		0.48	<0.01	8.68	3.8	670	4.63	1.1	0.69	0.05	141.5	15.7	77	13.25	39.6	4.76
CC02206		0.44	<0.01	8.03	5.6	640	3.39	0.65	0.57	0.03	136	9.9	72	7.96	20.1	3.27
CC02207		0.46	<0.01	9.55	3.9	900	4.69	1.35	0.29	0.07	196	17.3	87	23.7	50.2	5.98
CC02208		0.44	<0.01	8.3	5.5	770	4.06	0.57	0.77	0.13	169	15.2	88	12.25	25.9	4.03
CC02209		0.40	0.13	7.86	4.9	580	2.82	0.66	1.11	0.08	134	11.4	73	9.28	24.4	4.03
CC02210		0.42	<0.01	9.17	4.9	820	4.57	0.93	0.32	0.03	265	14.8	83	14.95	29.6	4.64
CC02211		0.44	<0.01	8.19	16.7	630	4.39	0.49	0.37	0.07	85.1	10.4	75	8.01	22.3	4.41
CC02212		0.42	0.53	7.19	4.3	630	3.52	0.5	1.04	0.13	102	10.1	89	8.48	21.8	3.47
CC02213		0.46	0.02	8.32	6.1	850	3.44	0.26	0.9	0.09	112.5	15.3	74	6.26	19.2	3.79
CC02214		0.42	<0.01	8.82	3.7	860	2.89	0.29	1.47	0.09	105	16.6	60	6.18	26.5	4.12
CC02215		0.40	0.02	8.3	6.2	650	3.87	0.91	0.63	0.08	163.5	14.1	85	13.05	25.5	5.09
CC02216		0.34	0.91	6.91	17.6	600	3.64	0.76	0.53	0.08	86.7	11	76	12.15	38.4	4.08
CC02217		0.48	<0.01	8.51	4.4	820	2.95	0.49	0.92	0.1	133	13.7	85	10.45	27.3	4.17
CC02218		0.46	0.02	10.3	3.8	770	4.76	0.71	0.3	0.09	261	24.4	91	10.8	53.2	6.02
CC02219		0.44	0.02	8.25	9.9	710	3.67	0.43	0.95	0.16	157	16.5	79	7.37	17.7	4.93
CC02220		0.46	<0.01	7.72	5.7	590	4.02	0.83	1.2	0.14	154	13.8	91	11.1	20.6	4.32
CC02221		0.26	0.55	6.18	1.2	600	3.67	0.4	1.26	0.06	56.5	6.4	30	5.97	18.6	2.17

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC02181		22.4	0.17	2.7	0.032	2.27	34.8	41.9	0.69	380	1.3	1.79	10.2	22.4	460	14.9
CC02182		27.5	0.21	1.6	0.061	2.79	40.1	119	1.04	796	1.62	1.14	17.6	49.1	1250	22.2
CC02183		29	0.28	1.2	0.075	3.5	59.8	126	1.36	579	0.88	0.74	20.1	41.3	1430	21.5
CC02184		24	0.28	1.1	0.056	2.86	69.9	81.6	1	637	0.68	0.84	16.9	33.8	1320	26.7
CC02185		24.1	0.26	1.7	0.059	2.41	69.5	92.4	0.82	1050	0.73	1.17	15.9	50.3	1350	29.9
CC02186		24.3	0.23	1.1	0.062	2.25	58.2	64.5	1.19	611	0.86	1.1	19.8	42.4	630	19.7
CC02187		23	0.23	1.2	0.055	2.82	51.3	108	0.97	690	0.7	1.1	15.2	55.3	590	22.9
CC02188		25	0.29	1	0.052	2.39	84.8	75.1	0.79	615	0.82	1.09	19.6	26	500	22.6
CC02189		25.2	0.29	1.4	0.066	2.49	77.1	110.5	1.01	627	0.99	1.36	20.8	33.1	860	23.7
CC02191		21.1	0.22	1.2	0.057	1.68	58.4	46.3	0.74	433	1.14	0.83	16.3	26.8	1420	22.4
CC02192		13.05	0.11	0.7	0.034	1.14	20.9	58.8	0.2	75	0.71	0.18	5.6	14.2	2290	25
CC02193		22.8	0.21	1.6	0.056	2.08	53	61.8	0.7	401	1.03	0.97	14.6	23.4	2250	28.2
CC02194		18.9	0.15	2.1	0.053	1.62	24	71	0.53	620	1.84	0.86	9.1	37.4	3040	24.4
CC02195		27.6	0.28	1.8	0.066	2.53	78.2	83.9	0.97	867	1.22	1.19	14.8	22.7	1240	27.3
CC02196		28.7	0.56	0.8	0.076	3.5	181.5	109.5	1.06	1740	2.3	0.88	19.2	21.4	1000	49.2
CC02197		24.1	0.26	1.1	0.067	2.36	58.2	57.8	1.02	502	1.14	0.86	19.9	28.2	920	22.6
CC02198		26.7	0.34	0.8	0.074	2.43	88	143	0.95	627	1.13	1.14	18	44.2	860	35
CC02199		26.7	0.42	1.3	0.076	2.87	132.5	111.5	1.14	610	1.32	0.96	20	29.8	1030	26.1
CC02200		25	0.25	1.4	0.067	2.31	66.3	61.2	0.84	706	1.18	0.91	18.2	32.5	1370	25.6
CC02201		26.9	0.36	1.6	0.068	2.73	106.5	81.5	0.92	431	1.2	1.01	16.6	27.5	830	30.2
CC02202		22.3	0.19	2	0.053	1.93	42.3	40.3	0.84	516	1.04	1.39	16.1	22.3	1350	20.2
CC02203		25.7	0.28	1.4	0.072	2.5	72.7	48.9	0.64	583	1.06	0.8	15.4	37.3	1340	23.5
CC02204		24	0.29	1	0.067	2.42	82.2	72.6	0.76	920	0.93	0.55	13.2	27.8	590	32.7
CC02205		23.6	0.27	1	0.065	2.16	64.7	81.7	1.12	928	0.94	0.69	16.4	51.1	1610	30.3
CC02206		23.3	0.23	0.8	0.067	2.29	64.6	61.9	0.7	453	0.56	0.96	15.8	26.1	410	29.3
CC02207		28.6	0.36	1	0.085	3.34	92.5	95.2	0.93	570	0.98	0.6	17.9	42.6	740	28.2
CC02208		23.4	0.28	1.2	0.067	2.37	78.1	70.9	0.9	530	1.17	0.92	18.4	38.1	500	22.7
CC02209		23.6	0.25	1.4	0.063	1.9	64.4	51.8	0.98	489	1.13	1.06	17	26.5	1110	24.5
CC02210		29.6	0.38	0.9	0.073	2.83	128	76.2	0.64	390	1	0.66	17.9	40.3	730	26.7
CC02211		22.9	0.18	0.9	0.048	1.6	40.3	52.6	0.63	401	0.52	0.79	12.6	47.6	520	18.4
CC02212		20.6	0.22	1.1	0.052	1.77	52	63.4	0.99	395	0.98	1.06	15.8	30.5	1740	20.2
CC02213		23.5	0.22	0.9	0.06	2.33	57.4	62.5	1.11	590	0.76	1.36	15.6	31	540	25.3
CC02214		24.5	0.23	1.7	0.055	2.63	54.4	59.2	1.26	655	0.98	1.61	13.2	30	850	17.2
CC02215		24.1	0.28	1.3	0.063	2.04	84.8	99.1	0.91	947	1.28	0.81	16.8	35.1	1260	28.8
CC02216		19.65	0.2	1.2	0.052	1.56	44.3	57.6	0.59	725	1.4	0.7	11.4	39.7	3270	17.5
CC02217		25.1	0.24	1.5	0.063	2.5	68	71.6	1.06	549	1.2	1.25	15.8	31.4	1180	20.4
CC02218		28.7	0.39	0.8	0.07	2.93	130.5	92.7	0.8	755	0.79	0.61	16.6	62.6	740	26
CC02219		23.6	0.26	1.3	0.072	2.07	74.8	67.2	1.18	713	1.1	1.08	19.1	32.5	890	23.5
CC02220		23.7	0.27	0.9	0.055	2.26	74.7	73.4	1.12	586	0.82	1.22	20.9	36.4	990	21.1
CC02221		16.35	0.16	2	0.026	1.56	36.3	33	0.54	298	1.14	1.48	9.1	13.8	1450	12

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC02181		97.2	<0.002	0.03	0.36	<1	2.6	382	0.84	<0.05	15.3	0.327	0.57	3.1	59	1.8
CC02182		224	<0.002	0.14	0.39	1	7.5	205	2.34	<0.05	19.3	0.415	1.38	9.1	82	2.4
CC02183		241	<0.002	0.23	0.22	1	6.4	133.5	2.31	0.06	27.3	0.507	1.34	7.9	95	2.7
CC02184		187.5	<0.002	0.18	0.23	1	4.3	117.5	1.78	<0.05	33.4	0.438	1.16	6	78	2
CC02185		165.5	<0.002	0.06	0.22	1	3.9	150	1.98	<0.05	34.8	0.365	1	7.7	66	3
CC02186		135	<0.002	0.04	0.48	1	5.5	121.5	1.95	<0.05	22.6	0.459	0.72	4.8	101	2.9
CC02187		167	<0.002	0.03	0.26	<1	3.9	121	1.52	<0.05	25.2	0.39	0.96	5.7	69	2.8
CC02188		155	<0.002	0.02	0.34	1	6.5	134.5	2.65	<0.05	35	0.415	0.88	6.4	85	3.4
CC02189		193	<0.002	0.03	0.53	1	10.6	151	3.27	<0.05	30.9	0.401	1.22	7.6	90	4
CC02191		98.8	<0.002	0.06	0.76	1	4.7	108	1.5	0.05	22	0.381	0.73	5.2	87	2.4
CC02192		92.9	<0.002	0.2	1.32	1	4.3	99.4	0.97	<0.05	10.3	0.116	0.93	39.6	32	2.3
CC02193		120.5	<0.002	0.06	0.77	1	5.5	171.5	1.58	<0.05	20	0.35	0.83	11.4	79	2.6
CC02194		117.5	<0.002	0.17	1.37	1	3.3	193	0.95	0.06	11.9	0.221	0.81	21.2	69	2
CC02195		155	<0.002	0.05	0.36	1	3.8	263	1.45	0.05	29.4	0.449	0.88	6	93	2.4
CC02196		244	<0.002	0.62	0.11	2	6.4	166.5	2.7	0.15	64.1	0.439	1.62	17.6	70	4.6
CC02197		188.5	<0.002	0.05	0.68	1	5.5	124	1.92	0.05	23.6	0.494	0.92	4.5	103	3.2
CC02198		189	<0.002	0.06	0.24	1	7.1	124.5	2.07	0.06	36.5	0.393	1.42	13.1	72	3.4
CC02199		201	<0.002	0.12	0.39	1	6.4	177	1.99	0.05	51.8	0.468	1.24	8.8	92	3.2
CC02200		150	<0.002	0.06	0.69	1	5.2	152	1.61	<0.05	30.2	0.427	1.03	5.1	91	3.2
CC02201		157	<0.002	0.11	0.28	1	4.2	211	1.49	<0.05	46.2	0.421	1.02	8.6	84	2.8
CC02202		107	<0.002	0.04	0.61	1	4.6	234	1.45	<0.05	17.9	0.389	0.59	4.2	85	2.8
CC02203		158	<0.002	0.08	0.5	1	4.2	155.5	1.33	0.06	28.9	0.402	0.83	6.2	83	3.7
CC02204		151.5	<0.002	0.1	0.29	1	3.3	119.5	1.11	0.06	34	0.391	1.04	6.7	77	2.5
CC02205		130	<0.002	0.04	0.38	1	4.7	108	1.88	0.07	27.5	0.411	0.96	7.3	79	2.4
CC02206		138.5	<0.002	0.01	0.67	<1	5.5	141	1.7	<0.05	25.2	0.373	0.88	4.4	75	3.2
CC02207		211	<0.002	0.11	0.32	1	7.3	104	1.73	0.06	38.3	0.471	1.38	7.5	94	6
CC02208		141.5	<0.002	0.02	0.55	1	6.2	157	1.77	<0.05	29.8	0.438	0.94	6.3	97	3.7
CC02209		102.5	<0.002	0.04	0.49	1	4.3	209	1.54	0.05	25.5	0.469	0.75	6.7	94	2.7
CC02210		166	<0.002	0.04	0.39	1	7.1	107.5	1.55	0.05	49.3	0.483	1.14	10.3	106	3.7
CC02211		106.5	<0.002	0.01	0.26	1	3.8	101	1.02	<0.05	20.6	0.382	0.81	6.1	78	1.5
CC02212		106.5	<0.002	0.11	0.44	1	4.7	143	1.33	<0.05	21	0.432	0.58	8.8	88	2.1
CC02213		114.5	<0.002	0.01	0.45	1	4	173.5	1.25	<0.05	22.6	0.413	0.72	4.3	88	1.9
CC02214		126.5	<0.002	0.02	0.42	1	3.3	334	1.08	0.05	18.6	0.476	0.68	4.2	104	1.7
CC02215		163	<0.002	0.05	0.51	1	3.9	122.5	1.35	0.05	30.2	0.479	0.77	7	105	2.6
CC02216		118	<0.002	0.2	0.6	1	3	121.5	0.89	0.06	19	0.328	0.66	13.8	82	1.5
CC02217		135	<0.002	0.04	0.6	1	4.2	215	1.23	0.05	23.8	0.481	0.73	5.5	106	2.2
CC02218		174.5	<0.002	0.02	0.3	1	4.7	117	1.42	0.09	46.1	0.503	1.08	13.7	94	2.3
CC02219		124	<0.002	0.03	0.83	1	4.4	134.5	1.49	<0.05	30	0.523	0.73	5.5	108	2.2
CC02220		148	<0.002	0.03	0.45	1	5.8	154.5	1.7	0.05	27.8	0.537	0.83	5.7	95	7.5
CC02221		62.1	<0.002	0.14	0.41	1	2.7	347	0.76	<0.05	9.1	0.246	0.46	9.8	47	1.6

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC02181		8.9	56	87.3
CC02182		12.8	107	49.4
CC02183		13.6	119	35
CC02184		14.8	93	31.8
CC02185		26.3	87	47.1
CC02186		14.6	72	28.9
CC02187		13	82	31.7
CC02188		18.2	68	26.9
CC02189		16.5	103	37
CC02191		14.2	57	35.5
CC02192		11.2	25	20
CC02193		16	55	42.5
CC02194		16.3	98	62
CC02195		15.8	84	52.4
CC02196		32.7	103	19.9
CC02197		13.9	100	31.2
CC02198		16.8	111	21.2
CC02199		20.1	96	37.2
CC02200		15.4	78	41.6
CC02201		16.8	85	47.9
CC02202		13.2	59	58.8
CC02203		14.3	75	41.5
CC02204		17.1	86	27.1
CC02205		17.2	92	26.3
CC02206		12.6	64	21.6
CC02207		15.3	111	29.7
CC02208		17.6	81	33.7
CC02209		13.6	68	41.6
CC02210		19.8	80	30.3
CC02211		13	72	32.2
CC02212		16.1	58	40.9
CC02213		17.3	81	30.3
CC02214		15.8	82	64.8
CC02215		17	79	44.5
CC02216		17.6	71	45.5
CC02217		14.5	88	55.8
CC02218		20.3	108	26.7
CC02219		21	88	42.7
CC02220		19.8	79	31.8
CC02221		15.8	43	78.5

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
CC02222		0.28	<0.01	7.21	4.3	660	4.26	0.7	0.96	0.16	105.5	11.5	72	13.75	21.1	3.75
CC02223		0.32	0.02	8.24	6.6	700	3.47	0.74	0.9	0.16	142.5	14.7	90	14.2	24.1	4.58
CC02224		0.36	0.02	6.84	3.1	620	4.53	1.32	1.94	0.2	115.5	15.4	89	22.8	18.2	3.9
CC02225		0.26	0.17	6.99	1.7	680	2.33	0.32	1.66	0.17	59	7.8	19	5.92	20.3	2.17
CC02226		0.32	0.07	6.7	1.7	640	2.5	0.54	1.94	0.2	54.1	11.2	41	4.85	25.4	2.74
CC02227		0.32	<0.01	7.86	2.6	710	2.73	0.36	1.66	0.11	69.4	11.7	42	9.76	22.6	3.23
CC02228		0.30	0.28	7.17	2.5	660	3.65	0.62	1.65	0.33	78.1	12.2	54	14.65	22	3.28
CC02229		0.28	0.14	6.04	3.1	530	4.35	1.6	0.91	0.37	91	17.4	74	23.3	21.2	3.71
CC02230		0.34	0.02	7.47	7.1	670	4.19	0.89	1.11	0.21	111	15.9	89	12.65	23.1	4.61
CC02231		0.32	0.18	5.45	3.3	560	1.75	0.48	0.78	0.13	66.7	6.4	59	7.35	14.5	2.34
CC02232		0.34	0.02	6.68	4.6	720	2.32	0.39	1.39	0.14	87.2	10.6	57	5.29	16.4	3.76
CC02233		0.38	0.02	6.96	5.1	730	3.2	0.86	1.26	0.29	121	14	91	12.8	20.3	3.74
CC02234		0.30	<0.01	6.18	3.8	680	2.09	0.37	1.65	0.14	77.5	8.7	54	4.38	10.7	2.82
CC02235		0.34	0.02	6.69	5.4	730	2.34	0.37	0.56	0.12	82.8	6	39	4.61	14.6	2.86
CC02236		0.38	<0.01	8.11	5.6	740	3.89	0.6	0.67	0.14	161	18.1	85	8.73	27	4.18
CC02237		0.34	<0.01	7.35	6.9	670	2.91	0.54	0.73	0.14	119.5	9.8	68	8.89	15.6	3.94
CC02451		0.42	<0.01	8.08	4.3	660	5.14	0.54	0.8	0.12	144.5	15.7	77	12.2	22.2	3.91
CC02452		0.34	<0.01	8.88	3.8	610	4.97	0.77	1.34	0.18	146	20.9	92	16.9	33.6	5.48
CC02453		0.36	<0.01	8.2	5.3	610	5.38	0.7	1.09	0.17	179	21.5	99	13.85	33.6	4.89
CC02454		0.44	<0.01	8.99	3.6	830	4.73	0.52	1.02	0.13	208	17.8	89	16.25	25.7	4.82
CC02455		0.36	0.08	8.34	3	600	4.96	0.6	1.35	0.13	152.5	17.6	85	15.3	30.5	4.82
CC02456		0.42	0.02	9.52	0.9	650	3.48	0.26	0.68	0.07	163	25.9	107	17.85	23.4	5.58
CC02457		0.38	<0.01	7.56	2.1	360	13.5	7	4.92	0.64	102	19.7	86	8.33	35.7	4.86
CC02458		0.38	<0.01	8.56	4	610	3.68	0.53	0.86	0.24	120	23.5	90	18.8	29.2	5.57
CC02459		0.40	0.02	7.84	4.8	750	3.3	0.46	0.7	0.09	138	13.7	95	10.05	24.4	4.14
CC02460		0.28	0.02	7.01	5.3	610	3.05	0.71	0.93	0.13	163.5	11.1	91	11.55	17.7	3.88
CC02461		0.32	<0.01	9.16	2.8	1020	4.45	0.47	0.36	0.03	257	10.6	81	9.95	40.8	5.27
CC02462		0.36	0.04	7.56	2	780	5.09	1.45	0.8	0.08	103.5	14.7	60	19.05	36.3	4.05
CC02463		0.40	0.02	9.22	2.3	900	4.31	1	0.51	0.04	163.5	10.4	92	16.55	37.2	5.29
CC02464		0.38	<0.01	8.77	2.9	840	3.63	0.6	0.82	0.09	170	12.5	96	11.2	33.6	5.47
CC02465		0.34	0.09	7.83	1.5	910	3.16	0.42	0.85	0.05	116	6.9	53	9.6	28.2	3.7
CC02466		0.36	0.07	10.15	6.9	880	5.33	0.8	0.39	0.04	143	16.3	102	18.7	35.4	5.35
CC02467		0.40	<0.01	9.09	6.1	640	5.61	1.11	0.31	0.11	149.5	23.9	97	15	28.9	5.77
CC02468		0.30	0.02	8.99	2.5	700	3.41	0.62	0.39	0.08	169	17.2	81	14.95	36.8	4.45
CC02469		0.36	<0.01	10.75	1.4	930	3.94	0.62	0.27	0.06	157	12.7	94	15.15	37.8	5.8
CC02470		0.32	0.02	11.2	3.5	820	4.61	1.18	0.25	0.06	226	18.9	102	16.55	45.8	6.93
CC02471		0.34	0.04	9.71	1.6	810	3.16	0.6	0.32	0.07	211	5.8	92	16.15	19.1	4.31
CC02472		0.30	0.1	11.45	9.4	930	4.62	0.96	0.19	0.09	381	29.4	98	13.75	64	8.11
CC02473		0.32	<0.01	7.75	2.7	700	3.43	0.5	1.23	0.16	126	14.5	71	13.85	32.7	4.21
CC02474		0.34	<0.01	8.9	1.5	800	6.36	0.77	0.44	0.08	290	9.1	72	17.65	61	5.97

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC02222		20.9	0.19	1	0.058	1.75	56.4	59.1	0.86	509	1.02	0.94	17.2	27.9	1840	21.4
CC02223		26.3	0.26	1.1	0.063	2.13	73	64.2	0.84	534	1.2	0.99	27.3	34.3	570	23.2
CC02224		23.7	0.22	1.4	0.059	1.92	54.9	66.8	1	1525	1.48	1.07	25.5	29.5	1300	20.6
CC02225		17.6	0.15	2.7	0.023	1.75	33.5	40.2	0.62	768	1.44	2.03	6.3	12.9	1400	10.8
CC02226		18.7	0.15	2.4	0.034	1.62	27.9	34.5	0.86	641	1.11	1.82	9.7	27.2	1420	11.2
CC02227		21	0.17	2.2	0.035	2.18	35.8	56.3	0.97	468	1.33	2	12	17.7	920	13.6
CC02228		19.75	0.18	1.8	0.045	1.6	43.1	104.5	0.88	907	1.33	1.42	11.6	29.4	2060	14.5
CC02229		19.95	0.19	1.1	0.048	1.45	46	72.7	0.83	972	1.4	0.75	15.9	30.1	3250	17.4
CC02230		25.1	0.22	1.2	0.067	2.1	56.6	72.5	1.12	630	1.2	1.04	22.3	35.8	1320	20.7
CC02231		19.65	0.13	1.8	0.048	1.58	33.6	22.8	0.54	329	1.54	0.94	17.2	15	2530	16.8
CC02232		23.9	0.19	1.8	0.068	1.75	45	26.1	0.85	522	1.26	1.35	22.7	16.1	1920	17.1
CC02233		23	0.21	1.2	0.054	2.11	58.1	46.3	1.01	1415	1.06	1.05	24.8	28.7	1490	19.1
CC02234		20.8	0.15	1.8	0.049	1.66	39.6	17.2	0.74	551	1.34	1.34	19.6	12.3	1760	19
CC02235		28.2	0.14	2.7	0.085	2.18	27.2	21.6	0.68	292	1.34	1.28	24.9	12.1	1060	11.6
CC02236		24.4	0.27	0.9	0.068	2.66	83.1	98.9	1.06	635	0.81	0.99	16.6	43.3	910	25.4
CC02237		23.7	0.2	1.1	0.049	1.98	58.5	54.5	0.69	404	0.96	1.13	16.3	24.7	660	21.8
CC02451		24.5	0.23	0.9	0.056	2.25	70.4	139	0.84	604	0.4	1.07	18.1	43.6	800	22.9
CC02452		26.1	0.27	0.9	0.072	2.23	72.2	148	1.15	835	0.98	0.99	20.1	48.4	1470	19.8
CC02453		23.2	0.29	1.2	0.07	1.79	83.2	156	1.33	882	0.71	1.2	18.2	90.3	1310	22.2
CC02454		26.1	0.31	0.8	0.065	2.53	107	121.5	1.3	720	0.53	1.09	18	48.2	1010	23.6
CC02455		23.5	0.25	0.6	0.059	2.04	74.9	115	0.99	815	0.79	0.96	20.2	46.3	1240	23.2
CC02456		30	0.29	0.4	0.071	3.36	81.5	190.5	1.27	701	0.37	0.81	20	44.9	1150	22.1
CC02457		23	0.21	0.7	0.05	1.32	48.3	33.1	1.45	648	0.57	0.95	27	47	1400	15.1
CC02458		26.7	0.24	0.7	0.059	2.17	57.9	117	1.09	1545	1	1.03	14.8	46	1060	19.7
CC02459		25.6	0.25	0.9	0.055	2.47	65.4	78.2	1.13	584	0.7	0.99	16	32.7	480	19.7
CC02460		23.5	0.25	1.2	0.049	1.89	81.2	59.1	0.95	550	1.12	1.07	17.9	30.3	620	22
CC02461		29	0.38	1.6	0.065	4.28	126	88.8	1.15	541	0.95	0.86	17.9	20.7	710	21
CC02462		26.1	0.2	2.2	0.049	2.93	43.4	94.5	1.05	502	1.12	1.31	23.3	38.1	700	21.5
CC02463		30	0.29	1.2	0.067	3.8	78.6	92.1	1.2	503	1.24	0.69	21.8	22.4	740	23.5
CC02464		30.1	0.3	1.4	0.068	3.73	77.8	104.5	1.22	510	1.12	0.77	19.8	25.7	2770	21
CC02465		26.2	0.24	2.2	0.047	3.05	62.7	56.8	0.78	367	1.3	1.39	13.8	13.8	1140	18.2
CC02466		33.6	0.28	0.6	0.075	3.59	69.2	98.6	0.86	826	1.28	0.96	17.6	39.3	730	30.3
CC02467		33	0.27	0.9	0.085	2.85	67.8	107	0.67	1075	0.79	1.37	19.9	45.6	700	28.1
CC02468		29.1	0.27	0.8	0.067	2.65	83.9	66.2	0.5	376	1.04	0.64	16.9	44	790	27
CC02469		33.9	0.28	0.6	0.086	4	77.4	101	1	483	0.96	0.54	19.8	29	660	26.7
CC02470		36.2	0.37	1.1	0.082	3.59	110	122.5	0.82	415	1.19	0.59	23.5	48.9	640	31.2
CC02471		35.6	0.33	1.3	0.075	3.2	100.5	89.3	0.76	290	1.34	0.69	22.7	11.7	810	33.8
CC02472		38.2	0.57	1.3	0.109	3.82	189	101.5	0.79	552	1.94	0.54	22.2	71.2	800	37.3
CC02473		24.9	0.23	1.5	0.053	2.32	64.6	74.2	1.01	571	2.08	1.14	17	31.9	1140	19.8
CC02474		31.3	0.47	1	0.079	3.58	144.5	113	1.17	436	2.05	0.64	22	20.9	680	30

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC02222		113	<0.002	0.1	0.61	1	5.6	136	1.41	0.05	18.3	0.449	0.65	5.7	91	3.6
CC02223		147	<0.002	0.03	0.65	1	6.2	151.5	2.25	0.06	24	0.627	0.79	4.9	121	4.5
CC02224		164.5	<0.002	0.09	0.64	1	17.2	288	2.61	0.06	19.5	0.568	0.74	4.8	105	2.6
CC02225		54.9	<0.002	0.13	0.47	1	1.6	442	0.53	<0.05	9.8	0.217	0.38	6.8	46	1.2
CC02226		58.6	<0.002	0.09	0.46	1	3.8	444	0.77	<0.05	7.3	0.364	0.33	3.9	75	2.8
CC02227		95.8	<0.002	0.06	0.45	1	3	432	0.94	<0.05	11.8	0.373	0.55	3.7	74	1.5
CC02228		83.7	<0.002	0.13	0.48	1	3.2	311	0.96	<0.05	13.8	0.348	0.5	10.8	77	1.8
CC02229		117	<0.002	0.18	0.64	1	7	146	1.66	<0.05	18.7	0.421	0.62	7.2	87	39.9
CC02230		144.5	<0.002	0.06	0.81	1	8.2	168.5	1.95	0.05	20.1	0.556	0.68	5.1	112	3.3
CC02231		104	<0.002	0.12	0.76	1	4.2	156.5	1.28	<0.05	13.8	0.462	0.49	4	87	2.2
CC02232		96.4	<0.002	0.05	0.78	1	4.3	179.5	1.57	<0.05	15.9	0.69	0.49	3.7	121	1.8
CC02233		200	<0.002	0.07	0.72	1	6.2	147.5	1.96	0.05	20.8	0.619	0.71	4.9	114	2.7
CC02234		83.9	<0.002	0.08	0.8	1	3.8	260	1.43	<0.05	13.8	0.546	0.38	3.8	100	4.4
CC02235		119.5	<0.002	0.05	1.08	1	6.3	118	1.6	<0.05	15.9	0.453	0.44	3.8	86	1.7
CC02236		150.5	<0.002	0.03	0.51	1	4.9	126	1.5	<0.05	29.7	0.446	0.85	7	92	2.1
CC02237		122.5	<0.002	0.03	0.69	1	4.2	136.5	1.37	0.05	21.1	0.462	0.67	4.3	101	2.2
CC02451		137.5	<0.002	0.02	0.29	1	5.8	129	2.01	<0.05	27.6	0.47	0.89	7	83	3.9
CC02452		162.5	<0.002	0.06	0.32	1	6	189.5	1.89	0.05	25.6	0.597	0.94	8.9	112	2.9
CC02453		116	<0.002	0.06	0.49	1	4.3	142.5	1.56	0.05	31.6	0.486	0.68	10	95	1.7
CC02454		178.5	<0.002	0.03	0.45	1	5.1	154	1.5	0.05	38.8	0.478	0.93	8.6	93	2.2
CC02455		135	<0.002	0.06	0.34	1	5.2	189	1.61	0.05	23.7	0.51	0.69	8.4	88	1.7
CC02456		174	<0.002	0.01	0.11	1	3.4	117	1.34	0.05	30.2	0.535	1.02	5.1	108	1.3
CC02457		74.9	<0.002	0.1	0.29	2	23.9	605	1.85	0.06	17	0.52	0.39	6.6	68	4.3
CC02458		173.5	<0.002	0.09	0.39	1	3.4	139.5	1.21	0.06	23.2	0.447	1.05	8	93	1.7
CC02459		199.5	<0.002	0.09	0.47	1	4.2	128.5	1.37	0.05	24.5	0.448	0.78	5.7	89	2
CC02460		268	<0.002	0.04	0.63	1	4.1	146	1.49	0.06	29.4	0.456	0.71	6.2	92	1.6
CC02461		226	<0.002	0.3	0.19	2	4.7	145	2.66	0.06	42.9	0.489	1.13	9.3	88	2.5
CC02462		191	<0.002	0.04	0.26	1	6.6	215	3.67	<0.05	16.8	0.396	1.04	6.2	73	2.8
CC02463		232	<0.002	0.21	0.42	1	5.4	120.5	1.8	0.07	29.6	0.583	1.26	6.3	108	5.2
CC02464		208	<0.002	0.25	0.43	2	4.6	124	1.6	0.06	28.7	0.539	1.22	6.7	103	3.6
CC02465		152.5	<0.002	0.21	0.37	1	4.2	280	1.12	0.06	23.4	0.39	0.79	4.6	74	2
CC02466		228	<0.002	0.08	0.35	1	8.3	113.5	1.52	0.06	25	0.448	1.28	6.5	101	3.7
CC02467		192.5	<0.002	0.05	0.39	1	9.9	87	2.26	<0.05	25.1	0.402	1.08	6.1	96	4.6
CC02468		176	<0.002	0.07	0.27	1	4.7	93	1.65	0.06	27.9	0.48	0.82	6.2	96	2.2
CC02469		232	<0.002	0.08	0.14	1	4.9	81.8	1.69	0.07	28.8	0.546	1.16	6.6	105	2.5
CC02470		224	<0.002	0.05	0.34	1	5	90.7	2.4	0.11	36.9	0.619	1.08	12	116	2.2
CC02471		208	<0.002	0.18	0.3	2	4.9	104.5	1.68	0.05	40.1	0.638	1.19	7.8	124	2.5
CC02472		220	<0.002	0.05	0.26	2	5.3	85.1	1.72	0.07	73.4	0.56	1.2	16.5	124	2.7
CC02473		139	<0.002	0.1	0.4	1	4.2	246	1.65	<0.05	19.8	0.459	0.65	6	92	1.7
CC02474		236	<0.002	0.36	0.17	2	5.1	154.5	3.24	0.09	65.5	0.489	1.5	10.6	97	4.3

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
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To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC02222		18	64	37.5
CC02223		16.2	77	39
CC02224		21.8	79	44.7
CC02225		14	55	106
CC02226		14.2	70	90.1
CC02227		11.6	61	88.4
CC02228		21.3	120	70.8
CC02229		15.2	80	36.8
CC02230		17.4	95	40.6
CC02231		11.9	51	67.9
CC02232		23.8	69	68.9
CC02233		16.6	90	42.4
CC02234		17.6	53	69.5
CC02235		19.7	63	101
CC02236		17.4	106	30.8
CC02237		13	60	37.8
CC02451		16	107	29.1
CC02452		22.2	134	30.7
CC02453		25.7	170	39
CC02454		22	119	30.3
CC02455		19.2	126	21.3
CC02456		14.9	100	13.7
CC02457		36.8	110	17.5
CC02458		12.5	113	27
CC02459		13.2	84	27.7
CC02460		16	72	39
CC02461		21.8	97	52.3
CC02462		17.2	91	76.5
CC02463		15.6	92	39.1
CC02464		26.5	96	56.2
CC02465		12.2	67	81.9
CC02466		16	100	17.6
CC02467		18.3	116	27.4
CC02468		13	90	24.3
CC02469		10.6	102	19.2
CC02470		18.5	132	33.8
CC02471		14.6	78	46.8
CC02472		28.7	156	43.9
CC02473		15.2	80	48.3
CC02474		20.4	89	33.5

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
CC02475		0.28	<0.01	9.14	2.1	880	4	0.65	0.46	0.07	238	15.7	82	21.2	85.4	7.53
CC02476		0.30	<0.01	8.59	2.2	690	3.68	0.61	0.63	0.05	245	9	92	19.85	30.8	5.61
CC02477		0.30	0.15	7.02	3.2	580	6.8	0.83	0.54	0.2	142	10.9	73	19.65	25.9	3.84
CC02478		0.30	0.02	9.55	2.4	570	6.4	1.16	0.7	0.12	160	15.1	85	22.8	34.7	5.88
CC02479		0.28	0.02	9.29	2.5	860	3.5	0.73	0.45	0.05	186	5.8	80	22.2	20.4	3.69
CC02480		0.40	<0.01	8.88	3.9	760	4	0.58	0.62	0.09	131	14.3	90	15.8	36.4	4.92
CC02481		0.28	0.02	8.82	5.9	910	3.2	0.81	0.59	0.08	150.5	8	92	16.35	19	3.67
CC02482		0.28	<0.01	8.59	2.9	660	6.34	1.65	0.72	0.06	128.5	10.5	99	39.2	32.8	5.04
CC02483		0.38	<0.01	9.37	2.7	930	3.15	0.57	0.58	0.04	222	8.3	91	22.9	40.3	6.46
CC02484		0.32	<0.01	9.18	2.8	970	4.21	0.46	0.61	0.05	189	11.4	79	9.99	38.5	4.82
CC02485		0.42	0.06	9.2	1.5	1040	3.27	0.62	0.16	0.06	183.5	6.3	98	8.8	42.7	5.66
CC02486		0.38	<0.01	9.97	5.1	1000	5.56	1.08	0.24	0.05	195.5	20	84	12.65	58.6	5.84
CC02487		0.42	0.04	9.77	9.4	910	4.91	0.82	0.42	0.07	145.5	28.2	90	11.95	64.7	4.93
CC02488		0.42	0.36	8.42	21.9	880	4.39	1.28	0.08	<0.02	143.5	4.9	64	12.7	14.3	2.14
CC02489		0.36	<0.01	9	1.9	1000	4.87	3.09	0.64	0.04	114.5	14	71	20.5	113.5	9.3
CC02490		0.46	0.02	9.69	1.3	1220	6.06	2.14	0.51	0.04	225	15	84	27.1	92.8	7.5
CC02491		0.26	0.33	7.97	5.5	750	4.18	1.48	0.29	0.11	157.5	10.1	75	13.7	52.9	5.17
CC02492		0.30	0.48	8.15	5	600	6.95	1.04	0.37	0.21	110	13.2	79	18.6	35.4	4.29
CC02493		0.24	0.02	7.07	2	690	3.34	6.18	1.74	0.12	276	20.7	46	18.2	27.6	8.61
CC02494		0.32	0.02	8.46	4.6	840	3.82	0.98	0.51	0.09	231	4.9	75	17.8	17.7	3.63
CC02495		0.40	0.02	7.93	2.2	770	4.26	1.22	0.54	0.09	171	17.7	70	26.6	36.2	4.69
CC02496		0.26	0.06	6.29	2.2	650	3.25	1.06	1.23	0.09	71.7	12.6	44	17	30.4	3.4
CC02497		0.48	<0.01	7.87	2	670	6.33	0.83	0.74	0.16	128	21.7	69	19.95	32.7	4.36
CC02498		0.42	<0.01	8.1	4.5	680	4.76	0.86	1.14	0.14	115.5	18.6	79	18.25	30.1	4.13
CC02499		0.36	<0.01	8.91	1	580	3.07	0.6	0.61	0.08	121.5	38.1	99	19.9	35.7	6.24
CC02500		0.30	<0.01	8.16	3.5	520	4.8	0.71	0.7	0.08	197	16.1	79	16.9	40.3	4.74
CC02389		0.24	<0.01	8.64	6.3	620	4.75	2.25	0.76	0.16	83.7	17.8	109	21.5	49.9	5.54

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
CC02475		29.1	0.4	0.6	0.062	3.26	118.5	82.5	1.08	454	1.46	0.66	17.4	42.6	920	25.9
CC02476		32	0.37	0.9	0.071	3.01	125	110	1.11	399	2.15	0.91	22.1	24.4	530	21
CC02477		26.9	0.26	1.1	0.06	2.41	68.5	75.3	0.71	295	1.77	0.81	19.6	32	950	17.4
CC02478		30.3	0.28	0.8	0.055	2.68	77	118	0.67	220	1.38	1.22	20.2	54.6	600	24
CC02479		34.4	0.28	1.4	0.073	3.29	92.6	90.5	0.72	289	2.84	1.02	25.6	10.8	490	29.5
CC02480		28.8	0.25	0.8	0.061	2.65	68.2	96.4	1.05	511	1.31	0.83	18.3	52.7	740	22.9
CC02481		34.4	0.25	1.7	0.066	2.83	74.9	66.4	0.84	304	1.32	0.89	24.8	24.1	460	21.8
CC02482		34.9	0.25	1.1	0.07	2.66	64.7	106	0.88	550	1.52	1.19	21.6	31.7	830	29.3
CC02483		31	0.37	0.6	0.075	3.25	108.5	115.5	1.34	682	1.71	1.22	21.6	13.5	760	34.2
CC02484		30.1	0.32	1.5	0.066	4.2	94	89.6	1.12	518	1.02	1.07	17.4	23.3	700	20.8
CC02485		32.5	0.33	1.4	0.074	4.81	88.9	90.8	1.33	296	0.84	0.55	21.8	12.1	910	17.5
CC02486		31.7	0.35	0.6	0.074	3.85	95	63.5	0.7	1070	2.26	0.46	18.6	45.1	660	32.4
CC02487		32.5	0.3	0.5	0.083	4.07	69.8	89	0.85	917	1.44	0.59	20	48.8	530	30.9
CC02488		31.1	0.26	0.6	0.069	3.98	81.3	58	0.44	234	1.16	0.18	16.2	8.2	320	26.8
CC02489		38.1	0.3	0.9	0.123	3.87	58.3	108	1.06	558	16.7	0.88	36.6	31.6	700	20.5
CC02490		40	0.41	0.8	0.114	4.89	112.5	181.5	1.35	1505	3.57	0.75	36.7	27.7	820	26.2
CC02491		30.6	0.29	1.2	0.055	2.38	73	67.1	0.59	291	1.8	0.8	19	34.8	1230	27.9
CC02492		23.9	0.23	0.9	0.056	2.38	51	118.5	0.57	582	2.16	0.6	14.4	34.5	1180	22.9
CC02493		29.5	0.47	1.3	0.085	2.01	140	96.4	2.04	1615	1.16	0.55	132	33.9	4980	17.4
CC02494		35	0.36	1.8	0.077	3.17	115	53.5	0.55	241	1.93	0.97	26.1	11.3	560	29.4
CC02495		24.1	0.28	1.3	0.063	3.01	88.9	104.5	0.99	561	1.18	0.83	19.3	20.4	550	29.6
CC02496		18.2	0.17	1.7	0.039	1.65	40	60.3	0.64	696	1.38	1.1	11.2	25.7	1780	18.3
CC02497		22.7	0.24	0.8	0.061	2.6	65.6	150.5	1.07	716	0.98	0.69	18	62.7	830	23.9
CC02498		23	0.22	1.9	0.054	2.36	57.8	110	1.13	681	1.33	1.29	16.2	39.7	1120	20.5
CC02499		25.5	0.26	0.6	0.064	2.82	58.4	181	1.28	851	1.36	1.04	14.3	52.1	750	22.7
CC02500		22.5	0.3	0.7	0.053	2.43	101	137	0.85	471	1.31	0.84	14.8	46.3	540	24.5
CC02389		23.8	0.22	0.7	0.062	2.28	44.1	129	1.1	513	1.37	0.57	19.6	62.3	1540	28.3

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
CC02475		192.5	<0.002	0.61	0.27	2	4.1	116	1.5	0.12	38.9	0.494	1.11	9.4	91	3.3
CC02476		194	<0.002	0.1	0.28	1	6.3	116	1.72	0.06	46.1	0.585	1	9.1	119	2.4
CC02477		159.5	<0.002	0.08	0.53	2	9.9	92	2.71	0.06	27	0.488	1.14	7.4	108	3.9
CC02478		186.5	<0.002	0.04	0.26	1	6.6	149	1.96	0.05	24.6	0.479	0.84	6.8	93	3.2
CC02479		205	<0.002	0.05	0.45	1	6.9	123.5	2.46	0.07	32.2	0.647	0.95	6.9	137	2.2
CC02480		164	<0.002	0.06	0.47	1	4.7	122.5	1.65	0.06	22.8	0.502	0.82	5.8	99	1.9
CC02481		183	<0.002	0.03	0.91	1	6.5	119	1.99	0.06	26.7	0.651	0.85	5.4	145	2.8
CC02482		231	<0.002	0.12	0.41	1	13.5	138.5	1.58	0.07	25.9	0.56	1.6	4.8	115	4
CC02483		166.5	<0.002	0.43	0.18	1	3.9	184.5	1.61	0.1	35.1	0.575	1.16	7.6	101	2.5
CC02484		217	<0.002	0.23	0.23	2	5.1	195	1.58	0.06	33.5	0.485	1.18	6.7	90	2.7
CC02485		259	<0.002	0.52	0.17	2	4	91.5	1.75	0.09	36.5	0.65	1.38	6.6	106	2.3
CC02486		222	<0.002	0.23	0.27	2	7.7	92.4	1.82	0.11	33.8	0.467	1.41	8.1	90	6.4
CC02487		226	<0.002	0.07	0.6	1	7.7	105	1.84	0.06	24.1	0.493	1.32	7.3	98	5
CC02488		274	<0.002	0.12	8.52	2	9.5	112	1.39	0.06	23.4	0.399	1.4	4	71	5
CC02489		281	<0.002	0.23	0.2	2	15.1	157	5.86	0.21	21.9	0.478	1.29	6.2	92	9.9
CC02490		329	<0.002	0.37	0.11	2	15.2	132	3.63	0.17	40.4	0.514	1.82	9.4	91	8.6
CC02491		135	<0.002	0.09	0.52	1	5.9	90.7	1.6	0.07	31.6	0.536	0.97	10.5	120	5.5
CC02492		172.5	<0.002	0.08	0.46	2	5.9	93.3	1.6	0.05	18.7	0.365	0.86	10.1	80	4.3
CC02493		208	<0.002	0.16	0.16	3	6.9	134.5	9.29	0.08	40.6	2.71	1.02	9.1	219	1.8
CC02494		204	<0.002	0.05	0.39	1	8.5	129.5	2.16	0.09	47.1	0.679	0.98	8.5	129	6.1
CC02495		224	<0.002	0.14	0.26	1	6.1	125.5	1.82	<0.05	33.4	0.511	1.23	6.9	93	3.6
CC02496		109.5	<0.002	0.17	0.36	1	3.6	262	1.1	<0.05	13.7	0.332	0.68	7.4	71	1.8
CC02497		176	<0.002	0.03	0.15	1	6.7	133	2.1	<0.05	24.6	0.441	0.93	7.3	81	3.1
CC02498		164	<0.002	0.06	0.42	1	6	226	1.85	<0.05	20.7	0.414	0.77	8.5	87	2.5
CC02499		185	<0.002	0.03	0.12	1	4.6	103.5	1.26	<0.05	24.6	0.523	1.04	6.6	105	2.2
CC02500		169	<0.002	0.03	0.24	1	4.9	112	1.47	<0.05	35.3	0.428	0.94	9.9	84	3.2
CC02389		176	<0.002	0.14	1.02	1	6.7	118	1.75	0.06	15.6	0.489	1.12	11.9	99	6.3

Comments: REE's may not be totally soluble in MS61 method.

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Project: Glitter

Finalized Date: 4-AUG-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04043795

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC02475		18.7	87	19.2
CC02476		18.2	80	29.6
CC02477		12.2	53	38.6
CC02478		13	108	23.2
CC02479		14.2	66	44.3
CC02480		13	79	24.8
CC02481		14	64	55.5
CC02482		14.2	77	35.9
CC02483		14	99	18.8
CC02484		18	96	53.4
CC02485		15.6	102	44.7
CC02486		20.8	104	19.2
CC02487		16.6	103	15.6
CC02488		12.3	40	17.6
CC02489		13.9	100	27.1
CC02490		31.6	132	21.4
CC02491		14.9	74	45.3
CC02492		13.5	81	30
CC02493		38.4	138	48
CC02494		17.4	57	61.3
CC02495		13	106	39.7
CC02496		12.4	62	55.2
CC02497		15.1	114	21.2
CC02498		15.6	106	52.5
CC02499		12.1	103	18.3
CC02500		18	79	19.6
CC02389		14.7	93	18.8

Comments: REE's may not be totally soluble in MS61 method.

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Finalized Date: 18-SEP-2004
Account: EMP

CERTIFICATE VA04059902

Project: Glitter

P.O. No.:

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 1-SEP-2004.

The following have access to data associated with this certificate:

AL ARCHER JOAN MARIACHER	ROB CARNE VANCOUVER OFFICE	DOUG EATON BILL WENGZYNOWSKI

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 18-SEP-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04059902

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
GL-1		1.24	0.2	9.72	0.7	150	11.8	4.92	0.2	0.07	3.42	0.7	84	27.5	5.7	0.82
GL-2		2.02	0.06	3.53	0.6	150	1.38	0.57	0.11	<0.02	62.8	2	174	1.08	6.2	1.28

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 18-SEP-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04059902

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
GL-1		31.5	0.07	2.7	0.02	5.96	1.8	44.2	0.09	1465	1.44	2.31	45.1	3.5	850	73.6
GL-2		9.85	0.1	0.3	0.019	0.56	34.6	13.2	0.53	79	0.84	0.23	3.2	4.4	150	4.4

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 18-SEP-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04059902

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
GL-1		>500	0.003	0.03	0.13	<1	54.2	50	22.3	<0.05	0.9	0.02	2.67	6.8	2	4.7
GL-2		29.3	0.003	0.02	0.08	<1	2.8	39.8	1.1	<0.05	11.9	0.139	0.16	1.8	33	1.1

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

): EP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Glitter

Finalized Date: 18-SEP-2004
Account: EMP

CERTIFICATE OF ANALYSIS VA04059902

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61
	Analyte	Y	Zn	Zr
	Units	ppm	ppm	ppm
	LOR	0.1	2	0.5
GL-1		3.4	14	30.7
GL-2		4.8	35	9.1

Comments: REE's may not be totally soluble in MS61 method.

N

Talus Zone

Bush Zone

Dum

Dg

Kg

18

20

20

14

30

6801000 mN

6800000 mN

4280000 mE

429000 mE

430000 mE

431000 mE

0 250 500

metres

INTRUSIVE ROCKS

Kg biotite-muscovite granite, pegmatite and aplite dykes and sills

Dg Grass Lakes Augen Orthogneiss

Dum serpentinized ultramafic

pegmatite / aplite dyke or sill

LAYERED ROCKS

DK muscovite-biotite-quartz +/- feldspar augen schist

DF chlorite-plagioclase-biotite schist

Dq chlorite-biotite-actinolite plagioclase schist

gritty quartz carbonate

quartzite, biotite-plagioclase schist, metapelitic schist and phyllite

SYMBOLS

geological contact defined, inferred

30 foliation / sill orientation

normal fault defined, inferrred

W in (ppm)

- ≥ 32 (5)
- 16 to 32 (6)
- 8 to 16 (15)
- 4 to 8 (68)
- 0 to 4 (539)

TRUE NORTH GEMS INC.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

W Geochemistry

GLITTER PROPERTY

2005/AC/GLITTER/WGEOCHEM | DATE: JANUARY 2005

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6

094532

N

Talus Zone

Bush Zone

Dum

Dg

18

20

20

14

30

6801000 mN

6800000 mN

4280000 mE

429000 mE

430000 mE

431000 mE

0 250 500

metres

INTRUSIVE ROCKS

Kg biotite-muscovite granite, pegmatite and aplite dykes and sills

Dg Grass Lakes Augen Orthogneiss

Dum serpentinized ultramafic

pegmatite / aplite dyke or sill

LAYERED ROCKS

DK muscovite-biotite-quartz +/- feldspar augen schist

DF chlorite-plagioclase-biotite schist

Dq chlorite-biotite-actinolite plagioclase schist

gritty quartz carbonate

quartzite, biotite-plagioclase schist, metapelitic schist and phyllite

SYMBOLS

geological contact defined, inferred

30 foliation / sill orientation

normal fault defined, inferred

Sn in (ppm)

- 20 to 40 (2)
- 10 to 20 (37)
- 5 to 10 (335)
- 0 to 5 (259)

TRUE NORTH GEMS INC.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sn Geochemistry

GLITTER PROPERTY

2005/AC/GLITTER/SnGEOCHEM | DATE: JANUARY 2005

YUKON ENERGY, MINES & RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON, Y1A 2C6

094532

N

Talus Zone

Bush Zone

Dum

Dg

Kg

18

20

20

14

30

6801000 mN

6800000 mN

4280000 mE

429000 mE

430000 mE

431000 mE

0 250 500

metres

INTRUSIVE ROCKS

Kg biotite-muscovite granite, pegmatite and aplite dykes and sills

Dg Grass Lakes Augen Orthogneiss

Dum serpentinized ultramafic

pegmatite / aplite dyke or sill

LAYERED ROCKS

DK muscovite-biotite-quartz +/- feldspar augen schist

DF chlorite-plagioclase-biotite schist

Dq chlorite-biotite-actinolite plagioclase schist

gritty quartz carbonate

quartzite, biotite-plagioclase schist, metapelitic schist and phyllite

SYMBOLS

geological contact defined, inferred

30 foliation / sill orientation

normal fault defined, inferred

Cr in (ppm)

- ⊕ 400 to 800 (4)
- ⊕ 200 to 400 (17)
- ⊕ 100 to 200 (58)
- • 50 to 100 (402)
- · 0 to 50 (152)

TRUE NORTH GEMS INC.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Cr Geochemistry

GLITTER PROPERTY

2005/AC/GLITTER/CrGEOCHEM | DATE: JANUARY 2005

YUKON ENERGY MINES
& RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6

094532

N

Talus Zone

Bush Zone

Dum

Dg

Kg

18

20

20

14

30

6801000 mN

6800000 mN

4280000 mE

429000 mE

430000 mE

431000 mE

0 250 500

metres

INTRUSIVE ROCKS

Kg biotite-muscovite granite, pegmatite and aplite dykes and sills

Dg Grass Lakes Augen Orthogneiss

Dum serpentinized ultramafic

pegmatite / aplite dyke or sill

LAYERED ROCKS

DK muscovite-biotite-quartz +/- feldspar augen schist

DF chlorite-plagioclase-biotite schist

Dq chlorite-biotite-actinolite plagioclase schist

gritty quartz carbonate

quartzite, biotite-plagioclase schist, metapelitic schist and phyllite

SYMBOLS

geological contact defined, inferred

30 foliation / sill orientation

normal fault defined, inferred

Be in (ppm)

- >12 (4)
- 6 to 12 (56)
- 3 to 6 (427)
- 1.5 to 3 (133)
- 0 to 1.5 (13)

TRUE NORTH GEMS INC.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Be Geochemistry

GLITTER PROPERTY

2005/AC/GLITTER/BeGeochem | DATE: JANUARY 2005

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON, Y1A 2C6

094532

N

6802000 mN

6801000 mN

6800000 mN

Soil sample location

TRUE NORTH GEMS INC.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATIONS

GLITTER PROPERTY

2005/AC/GLT/SAMPLELOC	DATE: JANUARY 2005

4280000 mE

429000 mE

0 250 500

metres

430000 mE

431000 mE

YUKON ENERGY, MINES
& RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON, Y1A 2C6

094532

N

Limit of mapping

Talus Zone

Bush Zone

Kg

Dum

Dg

Dg

Limit of mapping

Dum

Kg

6801000 mN

6800000 mN

6799000 mN

6798000 mN

429000 mE

430000 mE

431000 mE

0 500 1,000

metres

INTRUSIVE ROCKS

Kg	biotite-muscovite granite, pegmatite and aplite dykes and sills
Dg	Grass Lakes Augen Orthogneiss
Dum	serpentinized ultramafic
	pegmatite / aplite dyke or sill

LAYERED ROCKS

DK	muscovite-biotite-quartz +/- feldspar augen schist
DF	chlorite-plagioclase-biotite schist
Dq	chlorite-biotite-actinolite plagioclase schist
	gritty quartz carbonate
	quartzite, biotite-plagioclase schist, metapelitic schist and phyllite

SYMBOLS

- geological contact defined, inferred
- 30 foliation / sill orientation
- normal fault defined, inferrred

TRUE NORTH GEMS INC.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

GLITTER PROPERTY

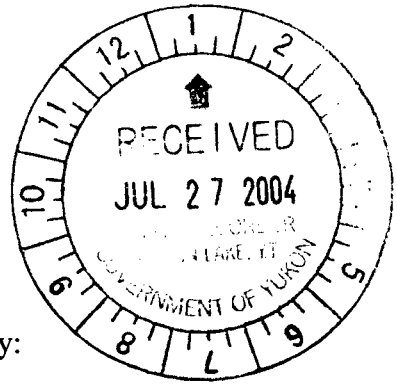
2005/AC/GLITTER/PropGeo | DATE: JANUARY 2005

YUKON ENERGY, MINES
& RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON, Y1A 2C6

094532

QL25712

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578



AFFIDAVIT

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

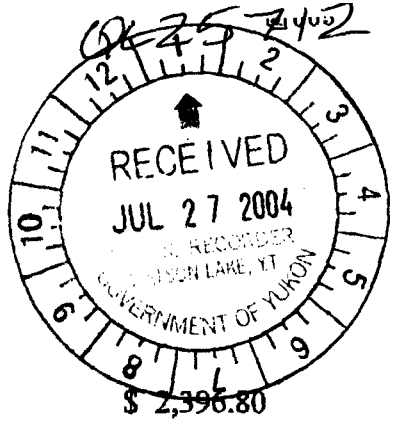
That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Glitter 1-84 mineral claims on Claim Sheet 105G/8 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 23rd day of July, 2004

Notary Public, Yukon Territory



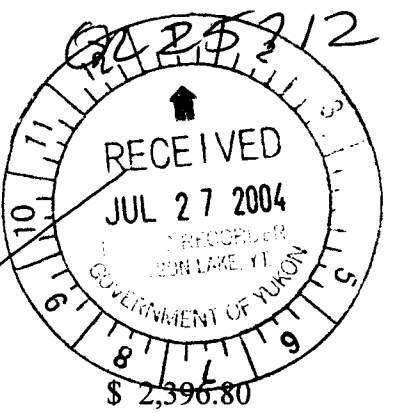
Statement of Expenditures
Glitter 1-84 Mineral Claims
Amended July 25, 2004

Labour

B. Wengzynowski – geologist – 4 days January to May at $560/day	$ 2,396.80
July 1-4 – 4 days at $560/day	2,396.80
G. Downs – field assistant – 20 hours January to May at $40/hr	856.00
June 27 to July 6 – 10 days at $320/day	3,424.00
M. Dumala – geologist – 16 hours January to May at $42/hr	719.04
H. Neufeld – geologist – June 27 to July 6 – 10 days at $352/day	3,766.40
B. Galambos – field assistant – June 27 to July 6 – 10 days at $224/day	2,396.80
I. Korkh – field assistant – June 27 to July 6 – 13 days at $224/day	2,396.80
	18,352.64

Expenses

Field room and board – 44 days at $125/day	5,885.00
ALS Chemex	12,390.21
Kluane Airways	4,766.85
Alkan Air	1,498.00
	24,540.06
	$42,892.70



Statement of Expenditures
Glitter 1-84 Mineral Claims
July 21, 2004

Labour

B. Wengzynowski – geologist –July 1-4 – 4 days at $560/day	$ 2,396.80
G. Downs – field assistant – June 27 to July 6 – 10 days at $320/day	3,424.00
H. Neufeld – geologist – June 27 to July 6 – 10 days at $352/day	3,766.40
B. Galambos – field assistant – June 27 to July 6 – 10 days at $224/day	2,396.80
I. Korkh – field assistant – June 8 to 20 – 13 days at $224/day	2,396.80
	14,380.80

Expenses

Field room and board – 44 days at $125/day	5,885.00
ALS Chemex	12,390.21
Kluane Airways	8,724.78
Alkan Air	1,498.00
	28,497.99
	$42,878.79

See amended statement

QL25712

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

0 6 | 2 7 | 0 4
INVOICE DATE
H500 | F X C A
AIRCRAFT TYPE | REGISTRATION

Archer Cathro
CHARTERER

BILLING ADDRESS

PHONE:

№ 5231

FROM Finlayson	MILES	HOURS	REMARKS/PASSENGER/CARGO
TO Money creek		1.5	1 passenger
Finlayson			500 LBS
			groceries
SHINE TO GLITTER			Gram
			Heather
			ILA
			Ben Galganbos

SPECIAL INSTRUCTIONS	1.5 @ 900.	PER HOUR	1350
Groceries &	@	PER MILE	
Ben in	WAITING TIME @	/ HR	
Samples out	FUEL 150 @ .90¢	/ GAL.	135
	PILOT'S EXPENSES		
	OTHER		
		SUB-TOTAL	1485
CHARTERER'S SIGNATURE		GST	103.95
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS	TOTAL $	1588.95

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

41

WILLOW PRINTERS LTD.

QL 25712

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

Archer Cathro
CHARTERER

BILLING ADDRESS

PHONE:

INVOICE DATE	
11 07 09	
AIRCRAFT TYPE	REGISTRATION
H 500	FXEA

№ 5233

FROM / TO	MILES	HOURS	REMARKS/PASSENGER/CARGO
FROM Finlayson		.6	Bill Wenzynowski
TO Money Creek			into Grum
Finlayson			& Heathers Camp
Skiter 41			

SPECIAL INSTRUCTIONS	.6 @ 900 PER HOUR	540.00
	@ PER MILE	
	WAITING TIME @ / HR	
	FUEL 60 @ 90 / GAL.	54.00
	PILOT'S EXPENSES	
	OTHER	
	SUB-TOTAL	594.00
	GST	41.58
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS — TOTAL $	635.58

CHARTERER'S SIGNATURE

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

41

WILLOW PRINTERS LTD.

~~GL25712~~

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

Archer Cathro
CHARTERER

BILLING ADDRESS

PHONE:

07 07 04
INVOICE DATE

H500	XCA
AIRCRAFT TYPE	REGISTRATION

№ 5234

FROM Grams	MILES	HOURS	REMARKS/PASSENGER/CARGO
TO Lee's		.6	Bill
Local Ketza strip		1.3	Gram
Return		.6	
Swiftwater			180 Chrs AC
			Ketza Fuel

SPECIAL INSTRUCTIONS			
Deal with Bear Problem	2.5 @ 900 PER HOUR		2250.00
As Per	@ PER MILE		
CO instructions	WAITING TIME @ / HR		
	FUEL 70 @ 90 L/GAL.		63.00
	PILOT'S EXPENSES		
	OTHER		
	SUB-TOTAL		2313.00
	GST		161.91
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS	TOTAL $	2474.91

B. Wey
CHARTERER'S ~~SIGNATURE~~

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

Not used for GLITTER
See Fax letter 26 July/04

QL25712

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

STRATEGIC METALS Ltd.
CHARTERER

BILLING ADDRESS

PHONE:

INVOICE DATE	
07/03/04	
AIRCRAFT TYPE	REGISTRATION
H500	XTEK

No 5235

FROM	MILES	HOURS	REMARKS/PASSENGER/CARGO
Finlayson			
TO Grams		.3	Rig
~~Return~~ 4C		.4	Gram
Gram		.4	
Finlayson		.3	

SPECIAL INSTRUCTIONS

Slider #1

1.4	@ 900	PER HOUR	1260
	@	PER MILE	
WAITING TIME	@	/ HR	
FUEL 140	@ 90	/ GAL.	126
PILOT'S EXPENSES			
OTHER			
		SUB-TOTAL	1386
		GST	97.02
2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS		TOTAL $	1483.0

R. Wen
CHARTERER'S SIGNATURE

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

Not used for GLITTER
See fax letter 26 July/04

QL25712

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

Archer Cathro
CHARTERER

BILLING ADDRESS

PHONE:

INVOICE DATE	
07/01/19	
AIRCRAFT TYPE	REGISTRATION
	XGB

№ 5238

FROM / TO	MILES	HOURS	REMARKS/PASSENGER/CARGO
FROM Finlayson			2 interval loa
TO Money Cr			2 Next loads
Frue North			
Finlayson		1.6	

SPECIAL INSTRUCTIONS
GLITTER TO REGAL (EP)

1.6 @ 900 PER HOUR			440.00
@ PER MILE			
WAITING TIME @ / HR			
FUEL 160 @ .90 c / GAL.			144.00
PILOT'S EXPENSES			
OTHER			
SUB-TOTAL			1584.00
GST			110.88
2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS — TOTAL $			1694.88

CHARTERER'S SIGNATURE

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

QL25712

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

Archer Cathro
CHARTERER

BILLING ADDRESS

PHONE:

INVOICE DATE	
07/04/04	
AIRCRAFT TYPE	REGISTRATION
	YGH

№ 5236

FROM / TO	MILES	HOURS	REMARKS/PASSENGER/CARGO
FROM Finlayson			
TO Grants		.4	2 Scouts
Finlayson		.4	
			Pick up Bill
			out to Finlayson

SPECIAL INSTRUCTIONS	.8 @ 900	PER HOUR	720.00
	@	PER MILE	
	WAITING TIME @	/ HR	
	FUEL 80 @ .90	LTR GAL.	72.00
	PILOT'S EXPENSES		
	OTHER		
		SUB-TOTAL	792.00
B. Archer CHARTERER'S SIGNATURE		GST	55.44
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS	TOTAL $	847.44

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

QL25712

ALKAN AIR LTD.
105 LODESTAR LANE
WHITEHORSE, YUKON Y1A 6E6
PHONE: 867-668-2107 FAX: 867-667-6117

INVOICE

9518-07	
DHC 3	C-GKYG

ARCHER CATHRO & ASSOCIATES
1016-510 W. HASTINGS STREET
VANCOUVER, B. C. V6B 1L8

JUNE 27, 2004

FROM	WHITEHORSE	**MILES**	**HOURS**	**PAX/CARGO/PURPOSE**
TO	McEVOY	180		BEN GALAMBOS
	REGAL RIDGE	40		
	WHITEHORSE	155		
				SAMPLES
*** SUB FOR C-206**				

MEALS			@		/HOUR	
HOTEL		375	@	QUOTE	/MILE	$1,400.00
TAXI			@		/GAL-LT	
CUSTOMS		OTHER		NAV CANADA FEES		
HANGAR		OTHER				
CALL-OUT		SUBTOTAL				$1,400.00
PURCHASE		G.S.T. #100139625				$98.00
FUEL		**TOTAL**				**$1,498.00**

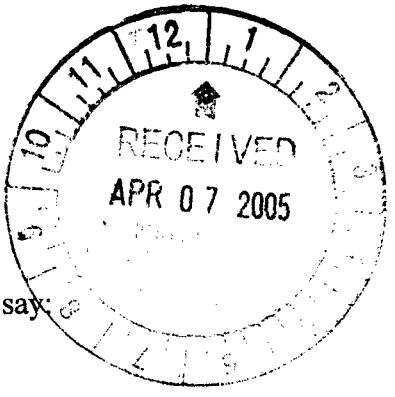
CONTRACT #

Serial No. 627040700

PILOT(S): SMITH

**2% PER MONTH (24% PER ANNUM) CHARGED ON ACCOUNTS OVER 30 DAYS

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578



AFFIDAVIT

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

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Glitter 1-84 mineral claims on Claim Sheet 105G/8 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 4th day of April 2005.

Notary Public, Yukon Territory

Statement of Expenditures
Glitter 1-84 Mineral Claims
March 26, 2005

Labour

D. Eaton (geologist) August 27 – 1 day at $560/day	$ 599.20
B. Wengzynowski (geologist) August 20-27 – 6 days at $560/day	3,595.20
January 2005 – 12 hours at $70/hr	898.80
L. Groat (geologist) – August 22-27 – 4 days at $800/day	3,424.00
D. Turner (geologist) – August 20-27 – 6 days at $336/day	2,157.12
D. Gregory (field assistant) – August 20-27 – 6 days at $160/day	1,027.20
M. Dumala (geologist) – January 2005 – 4 hours at $50/hr	214.00
	11,915.52

Expenses

Field room and board – 23 days at $125/manday	3,076.25
Kluane Airways – 6.1 hours Hughes 500 at $900/hr plus fuel	6,991.38
ALS Chemex	70.61
	10,138.24
	$22,053.76

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project EMERALD PROJECT

Date AUGUST 1- 31, 2004

LABOUR			
Field	D. EATON - 33 HRS AT 70/HR	2310.00	
	B. WENGZYNOWSKI - 178 HRS AT 70/HR	12460.00	
	L. GROAT - 8 DAYS AT 800 /DAY	6400.00	
	G. DOWNS - 6 1/2 DAYS AT 336 /DAY	2184.00	
	D. TURNER - 21 DAYS AT 336/DAY	7056.00	
	D. GREGORY - 25 DAYS AT 256 /DAY	6400.00	
	B. GALAMBOS - 6 1/2 DAYS AT 240 /DAY	1560.00	
	I. KOLKH - 7 1/2 DAYS AT 224 /DAY	1680.00	
	R. MOORE - 10 1/2 DAYS AT 224 /DAY	2352.00	
Accounting and Expediting J. Mariacher-	41 1/4 hrs at $58/hr	2392.50	
EXPEDITING L. CORBETT	35 1/2 HRS AT 40/HR	1420.00	46214.50
OTHER SERVICES			
Room and Board in Whitehorse	27 days at $90 / day	2430.00	
Field equipment from AC stock	21 DAYS (GRAHAM) AT 50/DAY	1050.00	
Printing	Photocopies 784 @.15	117.60	
Rentals from AC			
LOOMIS COURIER - 7 @ 14.25 + 1 @ 20		123.25	
1 DRUM JET B SOLD TO ARN		<279.78>	3441.07
EXPENSES			
Petty Cash 7.27 D1		7.27	
Telephone 43.30		43.30	
S.D. MCKEOWN		25.00	
L CORBETT EXPENSES	D1	11.87	
BUILDERS SUPPLY LAND		454.30	
BELVEDERE HOTEL		241.00	
MACPHERSON RENTALS - 20.32 D1 + 411.32 + 21 43 D1 + 160.44		614.52	
SHOPPERS DRUG - 73.42 + 14.98		88.40	
GREYHOUND COURIER - 246.85 + 86.04		332.89	
INTEGRAPHICS		161.80	
KLUANE AIRWAYS - 650. H + 9405.00 61		10055.00	
SUNRISE SERVICE - 113.04 + 183.08		296.12	
RIVERDALE SUPER A		1469.31	
D. WENG EXPENSES	D1	21.00	
PHARMASAVE - POST OFFICE		19.92	
HOME HARDWARE		60.95	
MAC'S FIREWEED		1.85	
DOMINION BLUE		96.70	
DEAKIN EQUIPMENT		23.44	
BYERS TRANSPORT		70.69	
MAIL BOXES ETC		10.50	
CORPORATE COURIERS - 43.46 + 2.26		45.72	
ALKAN AIR		550.25	14706.80
Management 6% on Expenses		882.41	
on Field A/C		1588.28	2470.69
			66833.06
GST (R100247667) 7% on 66833.06			4678.31
			71511.37

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

INVOICE DATE	
27 / 018 / 04	
AIRCRAFT TYPE	REGISTRATION
1500	FYGA

ARCHER CATHRO & ASSOC
CHARTERER

BILLING ADDRESS

№ 5304

PHONE: GLITTER

FROM / TO	MILES	HOURS	REMARKS/PASSENGER/CARGO
FROM FIN			3 PERSONS SEAT
TO GLITTER			BILL CECE
X4.			
			INET
			3 INTERNAT

SPECIAL INSTRUCTIONS	1.7 @ 900 PER HOUR		1530
	@ PER MILE		
	WAITING TIME @ / HR		
	FUEL 70 @ .90 / GAL.		153.00
	PILOT'S EXPENSES		
	OTHER		
		SUB-TOTAL	1683.00
		GST	117.81
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS	TOTAL $	1800.81

B. [illegible]
CHARTERER'S SIGNATURE

W. Richter
PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

0 8 2 2 0 4
INVOICE DATE
HK500	XCA
AIRCRAFT TYPE	REGISTRATION

Archer Cathro
CHARTERER

BILLING ADDRESS

№ 5297

PHONE: Archer

FROM McGregor	MILES	HOURS	REMARKS/PASSENGER/CARGO
TO Lamb Lk		.5	—
McGregor		.5	Lee + Gear
Glitter		.5	" "
Finlayson		.4	—
			+ Allison

SPECIAL INSTRUCTIONS			
Pick up Lee Groat	1.9 @ 900 PER HOUR		1710.00
LNPG Camp	@ PER MILE		
	WAITING TIME @ / HR		
	FUEL 190 @ 90¢ / GAL.		171.00
Drop off at	PILOT'S EXPENSES		
Glitter	OTHER		
B. Wee	SUB-TOTAL		1881.00
~~CHARTERER~~'S SIGNATURE	GST		131.67
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS	TOTAL $	2012.67

PILOT'S SIGNATURE

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GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

KLUANE AIRWAYS LTD.
BOX 31489
WHITEHORSE, YUKON Y1A 6K8

0 8 | 2 0 | 0 4
INVOICE DATE
AIRCRAFT TYPE: — | REGISTRATION: X E A

Archer Cathro
CHARTERER

F1 → Glitter
BILLING ADDRESS

No 5292

PHONE: _____

FROM Finlayson	MILES	HOURS	REMARKS/PASSENGER/CARGO
TO F1			
~~GLITTER~~			2 nets
Stakes		.2	
Glitter x 4		2.4	2 internal
Groceries TGX		.3	
~~Finlayson~~			
Straw		.1	

SPECIAL INSTRUCTIONS	3.0 @ 900 PER HOUR	2700
	@ PER MILE	
	WAITING TIME @ / HR	
	FUEL 300 @ / GAL.	270.00
	PILOT'S EXPENSES	
	OTHER	
B. We	SUB-TOTAL	2970
~~CHARTERER'S SIGNATURE~~	GST	207.90
	2% PER MONTH CHARGES ON ACCOUNTS OVER 30 DAYS — TOTAL $	3177.90

PILOT'S SIGNATURE

WHITE - OFFICE
YELLOW - OFFICE COPY RECORD
PINK - CUSTOMER COPY
GOLD - BASE COPY (Stays in book.)

WILLOW PRINTERS LTD.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **EP**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

INVOICE NUMBER 1131413

BILLING INFORMATION

Certificate: **VA04059902**
Account: **EMP**
Date : **18-SEP-2004**
Project: Glitter
P.O. No.:
Quote:
Terms: **Due on Receipt** C1

Comments:

QUANTITY	ANALYSED FOR CODE	- DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	22.50	22.50
2	PREP-31	Crush, Split, Pulverize	4.50	9.00
3.26	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.23	0.75
2	ME-MS61	47 element four acid ICP-MS	14.06	28.12
2	GEO-4A01	Four Acid Dig - ME-MS61	2.81	5.62

SUBTOTAL (CAD)	$	65.99
GST R100938885	$	4.62
TOTAL PAYABLE (CAD)	**$**	**70.61**

To: **EP**
ATTN: ACCOUNTS PAYABLE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Please Remit Payments To :
ALS Chemex
212 Brooksbank Avenue
North Vancouver BC V7J 2C1