BC Geological Survey Assessment Report 29635

A Mobile Metal Ion (MMI)

**Geochemical Soil Sampling** 

**Assessment Report** 

on the

**Main Block Claim Group** 

**Atlin Project** 

**Atlin Mining Division** 

NTS 104K/08

Latitude 59° 29' 58'' North

Longitude 133° 24' 31" West

**Owner:** 

Blind Creek Resources Ltd. 15<sup>th</sup> Floor -675 West Hastings Vancouver, British Columbia V6B IN2

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# 1.0 SUMMARY

The Main Block claim group of the Atlin property is located in northwest British Columbia, within the Atlin Mining District (Figure 1). These claims are centered immediately east of Atlin, south of Pine Creek-Surprise Lake and north of the 0' Donne1 River. The Main Block claims were originally staked in the summer of 2004 and converted to new Mineral Title Online (MTO) claims in 2005. All present 47 contiguous claims (Table 1) of the Main Block are located on crown land and are held by Blind Creek Resources Ltd. of Vancouver, British Columbia.

The Main block is located in the northwest corner of the northern Cache Creek Terrane (Figure 3?). In northwestern BC, the Cache Creek Terrane consists largely of an accreted complex of oceanic sedimentary strata of Mississippian to Jurassic age and ophiolitic rocks of Late Permian to Triassic age. Cache Creek strata were deformed and amalgamated to the ancestral continental margin between 174 and 172 Ma (Middle Jurassic) and were intruded by post collisional Middle Jurassic plutons and younger Cretaceous and Tertiary felsic intrusions. Near the town of Atlin, the Cache Creek Complex consists of remnant ocean crust and upper mantle, referred to as the Atlin Ophiolitic Assemblage, and pelagic meta-sedimentary rocks, referred to as the Atlin Accretionary Complex which is the dominant lithology in the area. The ophiolitic assemblage is interpreted to have been thrust over the sedimentary complex.

Reported placer gold production between 1898 and 1946 (the last year for which government records were kept) from creeks in the Atlin area totaled 634,147 ounces (19,722 kilograms) (Holland, 1950). A number of the larger placer deposits, including those on Otter, Wright, Boulder, Birch, Ruby, Spruce and Pine Creeks, continued to produce significant quantities of gold into the late 1980s. Although the total placer gold production from the area to date is not available, it probably exceeds one million ounces (Ash, 2001). Several of these streams, notably Spruce and Otter drain large areas of the Main block. Only two in-situ occurrences are recorded, one of magnesite near McKee Creek and one of minor chalcopyrite near Otter Creek.

A program of Mobile Metal Ion (MMI) geochemical soil sampling and drilling was conducted from August 7<sup>th</sup> to September 25<sup>th</sup> along the lower reaches of Otter Creek. A total of 596 samples were collected on two adjacent grids that consisted of 9.925 line-kilomtres. The drilling part of the program is to be discussed in a forthcoming report.

The target area of the MMI survey and drill program was selected based on its geological setting. Recent work by Ash (2001) in the Atlin area has indicated that in many instances the most prospective location for lode gold mineralization is within volcanic units adjacent to the intensely altered ultramafic rocks. Regional maps have interpreted such a setting along the lower reaches of Otter Creek where the 2007 program was focused.

The MMI soil sampling has revealed five anomalies that have been labeled by the upper case letters A to E. The one of greatest exploration interest at this time is Anomaly C

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Grid One		
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Line 10100N	n/a	8
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Copper	1:5,000	GC-1

Gold	1:5,000	GC-2
Silver	1:5,000	GC-3
Molybdenum	1:5,000	GC-4
Lead	1:5,000	GC-5
Zinc	1:5,000	GC-6
Uranium	1:5,000	GC-7
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Silver	1:5,000	GC-13
Molybdenum	1:5,000	GC-14
Lead	1:5,000	GC-15
Zinc	1:5,000	GC-16
Uranium	1:5,000	GC-17
Cobalt	1:5,000	GC-18
Nickel	1:5,000	GC-19
<b>a</b> .		

Note: Scale of actual map within hardcopy report may be different due "Fit to Page" printing.

which consists of very strong copper values with correlating very strong nickel values and strong molybdenum and uranium values lesser gold values. The size of the anomaly is 450 m wide by a minimum 300 meters along strike with it being open both to the north and to the south. The causative source is probably copper and molybdenum sulphide mineralization with gold and uranium values occurring within a basic or ultra basic rocktype which is indicated by the nickel anomalous values (though the nickel may indicate nickel sulphide mineralization as well).

Anomaly A is principally a gold anomaly correlating with anomalous values in copper, silver, uranium, cobalt, lead, zinc, and nickel. It also is of strong exploration interest because of the strong gold values and the potential for size. However, it occurs in an area of limited sampling, partly because it occurs along the eastern edge of Grid One South, and thus the extent of the anomaly is difficult to determine. Anomaly B also is a gold anomaly that occurs along the edge of the survey area, specifically the southwestern edge of Grid One North. Correlating anomalous metal values are in silver, copper, uranium, and nickel. Anomaly B could be the strike extent of anomaly A which would result in a minimum strike length of 1800 meters.

Anomalies D and E, occurring on Grid Two, are of lower exploration interest because of their relatively narrow width. They may be reflecting mineralization within a vein or possibly a shear zone.

The MMI sampling should continue in all directions of Grid One in order to determine the extent of anomalies A, B, and C. Also, broadly-spaced exploration MMI lines across the mid to upper reaches of Otter Creek is recommended with follow-up detailing in areas where sampling has defined significant geochemical anomalies. An Induced Polarization (IP) survey is also recommended over those areas, such as Anomaly C and probably A, where a significantly elevated and broad geochemical zone is defined in order to define mineralization target depth. Given the success of the recommended MMI and IP surveys, diamond drilling of any coincident MMI and IP responses is recommended.

# 2.0 INTRODUCTION

In August of 2007 Mr. Frank Callaghan of Blind Creek Resources Ltd. requested that Garry Payie, P.Geo, conduct a program of drilling and geochemical sampling on Blind Creek's Atlin property, Main block. A subsequent review and reporting was further requested on all relevant information on the property towards recommending a work program to qualify targets for future mineral exploration and development within the subject property.

This report is based on published geological and geochemical studies and exploration programs (Assessment Reports and government surveys) in the public domain; and on the personal onsite involvement of Garry Payie, P.Geo, who serves as the independent Qualified Person responsible for this report and who supervised exploration work on the property between August 7<sup>th</sup> September 25<sup>th</sup>, 2007. The author is familiar with the geology and exploration history of the Atlin area and has worked on several exploration programs conducted in the Atlin area since 2004.

Work completed by Blind Creek Resources on the Main block during the 2007 field season consisted of 7 diamond drill holes and 2 adjacent mobile metal ion (MMI) geochemical soil grids consisting of 596 samples. This work was completed in the lower Otter Creek area of the property. Two MMI exploration lines that extended X kilometers were completed in an area of geological interest near the upper reaches of Wilson Creek. The MMI survey work was filed in advance of the completion of drilling; drill program work and results will be addressed in a subsequent report.

The largest block claims of the Atlin property totals 35821.566 ha and is referred to as the Main block. Geochemical work done on the Main block is recorded in this report. The second block of mineral claims is adjacent but not contiguous to the Main block and referred to as the Como Lake block, comprises 2,179.26 ha. The Como Lake block is not part of this report.

# **RELIANCE ON OTHER EXPERTS**

This report is based in part on documents and technical reports prepared by various authors and the portions of this report that provide that information are referenced. The documents and technical reports were used to compile the Main block property history, geology and mineralization and are listed in Section 19.0, References.

# 4.0 **PROPERTY DESCRIPTION AND LOCATION**

The Main block claims are located in northwestern British Columbia, within the Atlin Mining District, (Figure 1) and are situated east of Atlin Lake, south of Pine Creek and north and west of the 0'Donne1 River. The Main block consists of 47 contiguous mineral claims held by Blind Creek Resources Ltd. (Figures 1 and 2) covering an area of 35821.566 hectares. These claims are centered about 18 kilometres southeast of the town of Atlin at: 59° 29' 58" North, 133° 24' 31" West. The property is located on NTS mapsheets 104N/05, 06, 11 and 12 (TRIM mapsheets 104N.033, 34, 43, 44, 53, 54, 63 and 64).

The Atlin region is situated east of the Coast Range Mountains approximately 140 kilometres east of Juneau Alaska and 180 kilometres south-southeast of Whitehorse, Yukon. The community of Atlin is located on the east Shore of Atlin Lake, just north of Pine Creek, at an elevation of 670 metres ASL.

All mineral claims (Table 1) in the Main block are held by Blind Creek Resources Ltd. These were staked in the summer of 2004 and converted to new Mineral Title Online (MTO) claims in 2005. All claims are located on crown land.

To the author's knowledge, the Main block is entirely held by Blind Creek Resources and there are no other agreements or encumbrances to which the property is subject. The author is not aware of any environmental liabilities or planned or existing land use undertakings that would adversely affect development of mineral resources on the property. All Main block claims are located on crown land and the property has not been legally surveyed.

At the time of writing, the permits necessary to conduct the proposed drilling has not been acquired.

Tenure Number	Туре	Claim Name	Good Until	Area (ha)
510928	Mineral	BLIND CREEK	20071228	395.084
510932	Mineral	BLIND CREEK 2	20071228	329.444
521544	Mineral		20071228	1000.27
521545	Mineral		20071228	1163.141
521547	Mineral		20071228	884
521549	Mineral		20071228	1147.66
521550	Mineral		20071228	1283.995
521552	Mineral		20071228	1200.913
521554	Mineral		20071228	641.133
521555	Mineral		20071228	823.397
521556	Mineral		20071228	1368.297
521557	Mineral		20071228	918.904

## TABLE 1. CLAIMS OWNED BY BLIND CREEK RESOURCES LTD.

Tenure Number	Туре	Claim Name	Good Until	Area (ha)
521558	Mineral		20071228	1169.622
521559	Mineral		20071228	1070.797
521560	Mineral		20071228	969.627
521561	Mineral		20071228	985.84
521562	Mineral		20071228	936.059
521563	Mineral		20071228	1082.489
521564	Mineral		20071228	1165.261
521565	Mineral		20071228	969.811
521575	Mineral		20071228	985.349
521576	Mineral		20071228	1167.234
521577	Mineral		20071228	823.072
521578	Mineral		20071228	1167.911
521579	Mineral		20071228	805.513
521581	Mineral		20071228	887.093
521587	Mineral		20071228	724.167
521589	Mineral		20071228	723.854
521590	Mineral		20071228	657.215
521591	Mineral		20071228	984.682
521593	Mineral		20071228	721.761
521594	Mineral		20071228	721.936
521595	Mineral		20071228	787.083
521597	Mineral		20071228	475.601
521599	Mineral		20071228	426.685
521600	Mineral		20071228	245.876
522314	Mineral	ROSE TOP	20071228	410.471
522315	Mineral	ROSE BOTTOM	20071228	410.621
522316	Mineral	LEFT OF SLATE	20071228	410.736
522317	Mineral	JOHNSON NINE	20071228	147.891
548471	Mineral	EAST	20080102	410.608
548472	Mineral	EAST 2	20080102	410.829
548940	Mineral	EAST 3	20080109	410.915
548941	Mineral	EAST 4	20080109	411.15
548942	Mineral	EAST 5	20080109	411.349
548943	Mineral	EAST 6	20080109	378.615
548944	Mineral	EAST 7	20080109	197.605

# TABLE 1. (cont'd) CLAIMS OWNED BY BLIND CREEK RESOURCES LTD.

Table 2 is a listing, with given location, of all government document mineral occurrences on the property including those designated as placer gold, the rights of which are not held by Blind Creek Resources as part its Main block mineral tenure title. McKee Creek (MINFILE 104N 104) and O-1 (MINFILE 104N 120) are the only documented mineral occurrences on the property and as such their rights are held by Blind Creek Resources. McKee Creek is a minor showing of magnesite and O-1 consists of minor chalcopyrite

MINFILE No.	NFILE No. Name Status		Commodities	Latitude	Longitude
104N 032	OTTER CREEK	Past Producer	Gold	59 36 29	133 23 36
104N 033	WRIGHT CREEK	Past Producer	Gold	59 36 17	133 21 12
104N 034	SPRUCE CREEK, KOKEN	Past Producer	Gold	59 33 29	133 32 30
104N 035	MCKEE CREEK	Past Producer	Gold	59 27 53	133 33 30
104N 036	FEATHER CREEK, SLATE CREEK	Past Producer	Gold	59 29 47	133 17 07
104N 039	SLATE CREEK, WILSON CREEK	Past Producer	Gold	59 24 05	133 22 42
104N 041	BURDETTE CREEK, JASPER CREEK	Past Producer	Gold	59 22 11	133 27 07
104N 104	MCKEE CREEK	Showing	Magnesite	59 28 29	133 30 36
104N 120	O-1	Showing	Copper, Zinc	59 36 06	133 22 18

#### TABLE 2. SUMMARY OF MINFILE OCCURRENCES ON MAIN BLOCK.

# 5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the northern areas of the Main block claim group can be gained from the community of Atlin via the Surprise Lake Road, which extends east along the Pine Creek Valley, and then southerly via branch roads to Spruce, Otter and Snake creeks. The Warm Bay road which extends south from Atlin provides access to the southern portion of the Main block mainly via a major branch road up Wilson Creek that accesses the south-central regions of the block. Access to the remaining parts of the Main block can be gained by hiking from these roads or trails, using ATV transport, or a helicopter from Atlin.

Climate is typical of northern British Columbia with winter temperatures averaging -15 degrees C in January with moderate snowfall. A pleasant summer climate has average temperatures of 20 degrees C and little precipitation. Total annual precipitation is measured at 279.4 millimetres. Winter conditions can be expected from October to April.

Power lines follow Surprise Lake Road to within a few kilometres of the Main block. Abundant water for mining operations is available from any of the above mentioned major drainage systems covered by the claims. Crew lodgings are available in Atlin. A skilled labour force for mining and exploration is available in Atlin or Whitehorse, YT, a 2 hour drive. Whitehorse is also the major supply and service centre for resource industries working in northwestern British Columbia and the Yukon.

The topography on the east side of Atlin Lake is significantly different from the coastal ranges, and consists of more gently rounded mountains with a relief in the Atlin area approximating 1,000 metres. Relief on the Main block claims ranges from 1000 to 1500 metres, with low lying areas occurring in the Pine Creek valley.

The tree line is at approximately 1370 metres on north facing slopes and 1525 metres on south facing slopes. Below 1370 metres the valleys are forested with lodge pole pine, black spruce, aspen and scrub birch. Mountain alder and willow grow near streams with stunted buck brush covering the hills above tree line.

# 6.0 HISTORY

The Main Block claims were originally staked in the summer of 2004 and converted to new Mineral Title Online (MTO) claims in 2005. All present 47 contiguous claims (Table 1) are held by Blind Creek Resources Ltd. of Vancouver, British Columbia. The 2007 exploration program of Blind Creek Resources was focused along the lower reaches Otter Creek. This area has received little attention in terms of hard rock mineral exploration except as follows.

Otter Creek flows north into the west end of Surprise Lake about 17 kilometres northeast of Atlin. The main part of the creek is about 10 kilometres long with a 5 kilometre long west flowing spur at its southern end. The creek has been worked more or less continuously from the time of the discovery of gold in Pine Creek in 1898.

Approximately 688,445 grams of gold were recovered from the creek between 1898 and 1945 making it the sixth largest producer in the Atlin area (Bulletin 28). Most was taken by hydraulic and underground operations near the mouth of the creek.

- 1982 Assessment Report 10623 A reconnaissance VLF EM survey was carried out by owner Mark Management over several non-contiguous claims in the Main block vicinity, including on the O-1 claim which is about 400 to 500 metres southeast of the 2007 drilling. The survey results over the O-1 claim shows two sets of conductors trending 0 degrees and 160 degrees. The centre of the O-1 claim is reported to be underlain by alaskite.
- 1984 Assessment Report 13409 A 923 line-km Dighem III airborne electromagnetic survey was flown in May 1984, for Mark Management Ltd., over the properties of eight companies including the O claims of Ezekiel Explorations Ltd which cover the area of the 2007 drilling.
- 1987 Assessment Report 16312 bulldozer trenching rock chip sampling and a proton magnetometer survey was carried out over the claims O claims belonging to Ezekiel Explorations Ltd. While some of the magnetic surveying appears to have been in the Otter Creek area of Blind Creek Resources most of the work occurred off of the Main block to the east of Otter Creek. Some trenching and sampling of veins did occur just south of the 2007 drilling.
- 2003 Assessment Report 27277 Frontier Geosciences Inc. carried out a seismic refraction investigation for Riverhall Resources Ltd on the lower reaches of Otter Creek.
- 2004 Main Block staked by Blind Creek Resources.
- 2005 A six diamond drill holes totaling 247.8 metres were completed. Fifty soil samples and forty-four rock samples were initially collected at selected sites and resulted in 4 weak geochemical anomalies being highlighted, one of which was the drill target. The target was a listwanite fault zone on the east side of Spruce Mountain and at the headwaters of Snake Creek. Drill sections showed higher than background gold concentrated along breaks such as minor faults as well as breaks where changes in alteration occur.

## 7.0 **GEOLOGICAL SETTING** (reproduced in whole or in part from Ash, 2001)

# 7.1 **REGIONAL GEOLOGY**

The Atlin region is located in the northwestern corner of the northern Cache Creek (Atlin) Terrane. It contains a fault bounded package of late Paleozoic and early Mesozoic dismembered oceanic lithosphere, intruded by post-collisional Middle Jurassic, Cretaceous and Tertiary felsic plutonic rocks. The terrane is dominated by mixed graphitic argillite and pelagic sedimentary rocks that contain minor pods and slivers of metabasalt and limestone. Remnants of oceanic crust and upper mantle lithologies are concentrated along the western margin. Dismembered ophiolitic assemblages have been described at three localities along this margin: from north to south they are the Atlin, Nahlin and King Mountain assemblages. Each area contains imbricated mantle harzburgite, crustal plutonic ultramafic cumulates, gabbros and diorite, together with hypabyssal and extrusive basaltic volcanic rocks. Thick sections of late Paleozoic shallow-water limestone dominate the western margin of the terrane and are associated with alkali basalts. These are interpreted to be carbonate banks constructed on ancient ocean islands within the former Cache Creek ocean basin.

The middle Jurassic timing of emplacement of the Northern Cache Creek Terrane over Late Triassic to Lower Jurassic Whitehorse Trough sediments along the Nahlin Fault is well constrained by combined stratigraphic and plutonic evidence. The youngest sediments affected by deformation related to the King Salmon Fault are Bajocian. The earliest sedimentary detritus of Cache Creek affinity recorded in the Bowser Basin is in early Bajocian rocks that are immediately underlain by organic-rich sediments of Aalenian age. They are interpreted to reflect loading along the western margin of Stikinia by the Cache Creek during its initial emplacement. The oldest post-collisional plutons that pierce the Cache Creek Terrane to the west of Dease Lake are dated at 173+/-4Ma by K-Ar methods and in the Atlin area they are dated at 172+/-3Ma by U-Pb zircon analyses. Considering the age of these plutons relative to the orogenic event, the descriptive term late syncollisional is preferable.

The Northern Cache Creek Terrane to the east is bordered mainly by the Thibert Fault which continues northward along the Teslin lineament. Discontinuous exposures of altered ultramafite along the fault suggest that it has previously undergone significant reverse motion and may be a reactivated thrust or transpressional fault zone. Latest movement on this fault is thought to be dextral strike-slip, of pre-Late Cretaceous age. The terrane is dominated by subgreenschist, prehnite-pumpellyite facies rocks; however, local greenschist and blueschist metamorphism are recorded. The terrane is characterized by a northwesterly-trending structural grain, however, in the Atlin – Sentinel Mountain area there is a marked deviation from this regional orientation with a dominant northeasterly trend. Reasons for this divergence in structural grain are poorly understood.

# 7.2 LOCAL GEOLOGY

The geology of the Atlin region is divisible into two distinct lithotectonic elements. A structurally higher, imbricated sequence of oceanic crustal and upper mantle lithologies termed the "*Atlin ophiolitic assemblage*", is tectonically superimposed over a lower and lithologically diverse sequence of steeply to moderately dipping, tectonically intercalated slices of pelagic metasedimentary rocks with tectonized pods and slivers of metabasalt, limestone and greywacke termed the "*Atlin accretionary complex*". Locally these elements are intruded by the Middle Jurassic calcalkaline Fourth of July batholith and related quartz-feldspar porphyritic and melanocratic dike rocks.

# Atlin Ophiolitic Assemblage

The Atlin ophiolitic assemblage comprises an imbricated sequence of relatively flat lying; coherent thrust slices of obducted oceanic crustal and upper mantle rocks. Mantle lithologies are dominated by harzburgite tectonite containing subordinate dunite and lesser pyroxenite dikes. The unit forms an isolated klippe that underlies the town of Atlin and Monarch Mountain, which is located four kilometres southeast of the town. The harzburgite is also exposed on the northern and southern slopes of Union Mountain, 10 kilometres south of Atlin. Ductile deformational fabrics indicative of hypersolidus to subsolidus deformation, and the phase chemistry of primary silicates and chrome spinels in the harzburgite indicate a uniform, highly refractory composition and support a depleted mantle metamorphic origin for the unit. The least serpentinized rocks with well preserved primary structures and texture crop out at the highest elevations on Monarch Mountain. Primary features are less well preserved toward the base of the body and internally, where high angle fault zones cut it, the unit becomes increasingly serpentinized. Serpentinite mylonite fabrics are locally preserved near the base of the body. Commonly the basal contact of the harzburgite unit is pervasively carbonatized and tectonized over distances of several tens of metres or more.

Oceanic crustal lithologies in the Atlin map area (GEOLOGY MAP see Figure 3), in decreasing order of abundance, include metamorphosed basalt, ultramafic cumulates, diabase and gabbro with metabasalts dominating. They are generally massive, fine grained to aphanitic and weather a characteristic dull green-grey colour. Locally, the unit grades to medium grained varieties or diabase. Primary textures locally identified in the metabasalt include flow banding, autobrecciation and rare pillow structures. Although rarely exposed, basalt contacts are commonly sheared or brecciated zones, sometimes intensely carbonatized.

Petrochemical investigations of these basaltic rocks indicate they are similar in composition to basalts of normal mid ocean-ridge settings and the chemistry also suggests a genetic relationship to the associated depleted metamorphic mantle ultramafic rocks.

Serpentinized peridotite displaying ghost cumulate textures and sporadically preserved relict poikilitic texture is suspected to originally be wehrlite. The

peridotite forms an isolated thrust sheet that outcrops discontinuously along an easttrending belt 1 to 3 kilometres wide on the south-facing slope of Mount Munro, located four kilometers northeast of the town of Atlin. Extensive exploration drilling along the base of Mount Monro at the Yellowjacket Zone indicates that the serpentinized body is in structural contact with metabasaltic rocks along a gently northwest-dipping thrust. Along the contact zone hanging wall ultramafites and footwall metabasalts are tectonically intercalated and carbonatized. Projection of this fault across the Pine Creek valley suggests that carbonatized and serpentinized ultramafic rocks on the summit of Spruce Mountain, immediately south of the Pine Creek valley in the vicinity of the Yellowjacket Zone, represent a remnant above an extension of the same tectonized and altered basal contact.

Metagabbro is the least commonly seen ophiolitic component in the Atlin area. It crops out on the northern slope of Union Mountain and along the south-facing slope of Mount Munroe. On Union Mountain, gabbro occurs along the Monarch Mountain thrust as isolated dismembered blocks with faulted contacts.

## **Atlin Accretionary Complex**

The Atlin accretionary complex comprises a series of steeply to moderately dipping lenses and slices of structurally intercalated metasedimentary and metavolcanic rocks that underlie the southern half and northwest corner of the Atlin region (see Figure 3). Pelagic metasedimentary rocks dominate the unit and consist of argillites, cherty argillites, argillaceous cherts and cherts with lesser limestones and greywackes. They range from highly mixed zones with well-developed flattening fabric indicative of tectonic melange to relatively coherent tectonic slices. Individual slices range from metres to several hundreds of metres in width. Indications of internal deformation are moderate or lacking; in a few slices original stratigraphy is well preserved. Contact relationships between many of the individual units of the complex have not been established due to a lack of exposure; however most are inferred to be tectonic. Internal bedding within the individual lenses in some places is parallel to the external contacts, but is more commonly strongly discordant. This argues against simple interfingering of different facies.

A common feature throughout the accretionary complex, particularly in areas of moderate overburden, is closely spaced outcroppings of different lithologies with no clearly defined contacts. Such relationships are interpreted to represent areas of melange in which the exposed lithologies that commonly include chert, limestone and basalt are more competent than the intervening, recessive fissile and argillaceous matrix. Such relationships are confirmed where sections are exposed along road cuts and in areas of trenching.

Intrusive rocks in the area include: the Cretaceous (?) Fourth of July batholith, which varies from diorite to granodiorite to granite; the Late Cretaceous Surprise Lake batholith, which consist of leucocratic granite, quartz feldspar porphyry and aplite; and dikes and minor intrusions of uncertain age.

**Gold Mineralization in the Atlin Camp** (reproduced from Ash, 2001 and Dandy, 2006)

Occurrences of gold quartz vein mineralization throughout the Atlin camp are localized along pervasively carbonatized fissure and fracture zones within and marginal to serpentinized mantle tectonite and ultramafic cumulate rocks of the Atlin ophiolitic assemblage.

Gold quartz veins are poorly and erratically developed within the ultramafic rocks and more commonly occur as random fracture fillings. Wider, more continuous tabular fissure veins have been identified only in the mafic igneous crustal components (gabbro, diabase) of the Atlin ophiolitic assemblage where immediately adjacent to carbonatized ultramafic rocks.

Ages of hydrothermal Cr-muscovite (mariposite) associated with the gold mineralization suggest a limited interval of vein formation between 171 and 167 million years ago (Ma). This age of mineralization is consistent with the timing of Middle Jurassic magmatism at around 171 Ma. There is also a consistent spatial association between known gold vein occurrences and high level dikes and stocks. Both mineralization and magmatism appear to closely follow Middle Jurassic orogenic activity.

Placer deposits in the camp are situated in stream valleys cutting erosional windows through the carbonatized relatively flat lying thrust faults within the Atlin ophiolitic assemblage. The placers are considered to be derived from quartz lodes previously contained within the ophiolitic crustal rocks.

Two convincing lines of evidence support the theory that quartz veins are widely accepted as the source of the abundant gold won from Tertiary and Quaternary placer gravels:

The coarse, free gold in the veins is similar physically and chemically to the gold recovered from the placer gravels.

The two most productive placer gold streams, Spruce and Pine Creeks, drain erosional windows through the basal fault zones of the ultramafic thrust sheets that are hosts for most of the gold mineralization throughout the camp.

Historically, significant economic concentrations of placer gold are restricted to streams in the Pine Creek and McKee Creek watersheds. It appears that preferential erosion through flat-lying mineralized thrust contacts in both these areas was accelerated along high-angle, post accretionary fault zones. This interpretation is supported by the presence of fault breccia zones within both these valleys.

Lode gold mineralization associated with the thrust sheet of ultramafic cumulate rocks includes showings hosted by faults bounding this thrust sheet, including the Yellowjacket, Imperial, Surprise and Lakeview.

Marud (1988) suggests that high-angle faulting might be contemporaneous with mineralization along the fault structure, however Ash (2001) feels it is more likely that the Pine Creek Fault post-dates mineralization. Work to 2006 by Prize Mining at the Yellowjacket is reported to give some support to Marud's hypothesis, with high grade gold intercepts in drilling being traced along the Pine Creek Fault (Dandy, 2006).

# 8.0 **DEPOSIT TYPES** (reproduced from Ash, 2001)

Gold-quartz vein deposits and their derived placers are often spatially associated with carbonate+/-sericite+/-pyrite altered ophiolitic and ultramafic rocks known as 'listwanites'.

They have historically been of major socio-economic importance in British Columbia and account for a large portion of the 50% of the province's gold production from such lodes (Schroeter et al., 2000). This amount would be significantly greater if placer gold derived from such lodes was included.

Cordilleran Mesozoic gold-quartz vein deposits have Archean analogues that are typically referred to in terms of their age 'Archean lode gold', or the nature of their host rocks 'greenstone gold'. In a similar fashion one could refer to deposits from the Atlin area as 'Mesozoic lode gold' or 'oceanic lode gold'. Characterizing a deposit type, however, based strictly on its age or the nature of its host rocks, when that deposits spans a range of both these characteristics is restrictive. Deposits of this type are referred to in many ways, such as; gold quartz veins or lodes, mesothermal gold, shear-hosted or shear zone gold, orogenic gold, syn-orogenic veins, Mother Lode gold, etc., and they all correspond to USGS deposit model classifications for low-sulphide gold-quartz veins.

Locally, these deposits occur primarily as quartz veins, stockworks or stringer zones in fault, fracture and shear zones and are typified by the variability of host rocks which are affected by pervasive carbonatization with localized sericitization and sulfidation marginal to gold-bearing quartz veins.

# 9.0 MINERALIZATION

All government documented mineral occurrences on the property are given in Table 2 including those designated as placer gold, the rights of which are not held by Blind Creek Resources as part its Main block mineral tenure title. The Atlin area became known as a productive Canadian placer gold camp in the year 1898. Significant placer gold was found initially on Pine Creek and later by gold seekers on adjacent creeks notably Spruce, Otter, McKee, Boulder and Ruby. Readers are referred to Aspinall (2005) for a discussion of placer gold in the Main block area.

McKee Creek and O-1 are the only documented mineral occurrences on the property and as such their rights are held by Blind Creek Resources. The McKee Creek showing is reported to consist of brown weathering outcrops of magnesite occurring near the headwaters of the creek. At the O-1 showing, intensely altered ultramafics (listwanite?) is reported to contain minor chalcopyrite, and quartz veining. No investigation of these showings by Blind Creek Resources has occurred to date.

Drilling in the lower reaches of Otter Creek during the 2007 field season by Blind Creek encountered chalcopyrite and, in one quartz vein intersection, minor visible gold. Results of this drill program will be discussed in a forthcoming report. Not other economic mineralization was encountered on the property.

# 10.0 2007 EXPLORATION PROGRAM

A program of Mobile Metal Ion (MMI) geochemical soil sampling and drilling was conducted between August 7<sup>th</sup> and September 25<sup>th</sup> along the lower reaches of Otter Creek. A total of 596 samples were collected on two adjacent grids that consisted of 9.925 line-kilometers. The drilling part of the program is to be discussed in a pending assessment report.

# **10.1 INTRODUCTION**

A 4-man crew from Geotronics Consulting Inc, under the direction of David Mark, P.Geo, carried out the Mobile Metal Ion (MMI) soil geochemical survey and the associated grid preparation including a section of baseline. Garry Payie, P.Geo. accompanied the sampling crew to the property to locate and inspect the predetermined grid area.. The MMI field work was conducted from August 11<sup>th</sup> to 19<sup>th</sup>, inclusive.

# **10.2 GRID-LINE PREPARATION**

Two grids were put in that have been labeled 'Grid One' and 'Grid Two', respectively. Grid One actually consists of two sub-grids with one being to the north and one being to the south and is separated by 700 meters. Grid One is located to the immediate south of Surprise Lake and to the east of Otter Creek. Grid Two is located 5 km south of the west end of Surprise Lake and to the immediate east of Otter Creek. The 25 gridlines on the two grids were put in every 50 or 100 metres along the UTM northing lines from 6606700 to 6611650, which were also surveyed and measured by compass and GPS unit. The samples were picked up from easting 590000 to 592125. Concurrent with the preparation of the gridlines, MMI soil samples were collected every 25 metres, as described below.

# **10.3 MOBILE METAL ION (MMI) THEORY AND PRACTICE**

The MMI Process<sup>TM</sup> was developed by Wamtech Pty. Ltd in Australia and is performed by exclusive license at SGS Minerals' full service accredited laboratory facilities in Toronto, Ontario, Canada. The SGS website is the source of the following information on the process.

MMI anomalies are sharply bounded and, in most cases, directly overlie and define the surface projection of buried primary mineralized zones. Its effectiveness has been documented in over 1000 case histories on six continents and it has been responsible for numerous commercial successes.

The MMI Process<sup>TM</sup> consists of:

A simple sample collection procedure in which approximately 250 to 300 grams of sample is collected at a continuous interval of 10-25 cm below the living organics layer regardless of which horizon this depth corresponds to.

Samples that are not otherwise prepared or dried.

A weak extraction using a multi-component solution to release the mobile ions.

There are several extractions possible, and each is specific to various targets or elements.

A high sensitivity ICP-MS analysis which provides part per billion range results.

An innovative interpretation using MMI response ratios.

Referring to the MMI Technical Bulletins provided by the developers of the MMI process, MMI Technology, a Division of Wamtech Pty. Ltd. of Australia, this unique method of analysis MMI is used to describe ions which have moved in the weathering zone that are only weakly or loosely attached to surface soil particles. Also according to the developers of the technique it has been proven using radioactive isotope geochemistry that these Mobile Metal Ions are transported from deeply buried mineral deposits to the surface. Geoscientists from around the world have been studying this phenomenon for many years. Research and case studies over known ore-bodies have shown that mobile metal ions accumulate in surface soils above mineralization indicating that the metals are derived from oxidation of the mineralization source.

Generally as the Mobile Metal Ions reach the surface they attach themselves weakly to the soil particles, and these specific ions are the ones measured by the MMI technique to find mineralization at depth. They are at very low concentrations and because the ions have recently arrived at surface they provide a precise "signal" of the location of sub-cropping concentrations of minerals that could prove to be economically significant. Their lifetime in the ionic state at surface is very limited because they are subject to degradation and molecular binding or fixation into molecular forms by weathering but as long as the flow of ions is maintained, are detectable. Their limited lifetime precludes their detection by lateral circulation; accordingly they do not move away from the source of mineralization.

Therefore by only measuring the mobile metal ions in the surface soils, the MMI geochemistry is demonstrated to produce very sharp anomalous responses directly over the source of the mobile ions. The source would be interpreted as mineralization at depth which emit metal ions characteristic of that mineralization.

# **10.4 SURVEY AND SAMPLING PROCEDURE**

Survey lines were placed simultaneously as soil sampling was being carried out. Sampling stations occurred at 25-metre intervals along each survey line on the two grids as follows.

GRID	SURVEY LENGTH	LINE SPACING	NO. SAMPLES
ONE SOUTH	2275 m (7 lines)	100 meters	73
ONE NORTH	7175 m (14 lines)	50 meters	453
TWO	1625 m (4 lines)	100 meters	70

At each sampling station 60 cm wood pickets were driven into the ground with an aluminum tag stapled to it with the line and station coordinates marked on the tag. These coordinates were the last four or five digits of the UTM co-ordinates.

At each sampling site the field procedure was to first remove the organic material from the surface (A0 Layer) followed by digging a pit over 25 cm deep using a shovel. Sample material was then scraped from the sides of the pit over a measured depth interval of 10 centimetres to 25 centimetres using a plastic trowel, in effect, channel sampling the side of the pit. About 250 grams of sample was collected and placed into a plastic Zip-Loc sandwich bag with the sample coordinates marked thereon.

Upon completion of the soil sampling, the survey samples were packaged and sent to SGS Minerals at 1885 Leslie Street, Don Mills, Ontario. SGS Minerals is one of the two laboratories in the world licensed to assay samples in accordance with the proprietary MMI assay technique. The other laboratory is located in Perth, Australia.

# **10.5 ANALYTICAL METHOD**

Details of the MMI Assaying technique are propriety and accordingly 111 details as to the assaying process cannot be given. However a general description of procedures is provided.

At SGS Minerals in Toronto the assaying procedure begins by weighing a 50 gram sample into a plastic vial fitted with a screw cap. A 50 ml aliquot of MMI-M solution is added to the sample and the vial is closed. Groups of vials are then placed in trays which are placed into a mechanical shaker and shaken for 20 minutes. There are eight MMI leachants currently available of which the MMI-M leachant represents the 44-element extraction.

The MMI-M solution is a neutral mixture of leachant solutions which have been specially developed to selectively release adsorbed ions from the soil substrate without attacking or influencing the natural mineralization of the soil or specific substrates. The leachate solution is applied to the sample for a 20 minute retention time which effectively collects loosely bound ions of any of the 44 elements on the soil substrate and holds the ions in solution. The ion-pregnant solution is allowed to sit overnight and subsequently centrifuged for 10minutes. The solution is then diluted to 20 times by volume which represents an overall dilution factor 200 times. This diluted solution is then transferred to plastic test tubes from which aliquots are taken for analyses on Inductively Coupled Plasma-Mass Spectrograph (ICP-MS) instrumentation.

Results from the ICP-MS instrumentation is processed automatically with the recovered assay data loaded into the Laboratory Information Management System (LIMS). Following quality control analysis the data results are available in software format or hardcopy.

# **10.6 COMPILATION OF DATA**

Ten elements were chosen out of the 44 reported on and these were copper, gold, silver, copper, molybdenum, lead, zinc, uranium, cobalt, nickel, and cerium. The main purpose of looking at nickel is to locate basic and/or ultra basic rock-types, such as listwanite, which occurs in this area and which is associated with gold mineralization. That of cerium is to locate acid intrusives. The mean background value was calculated for each of the ten elements as in the following table:

The background for each of the ten metals was calculated as in the following table:

Ag	Au	Ce	Со	Cu	Мо	Pb	Ni	U	Zn
5.6	0.05	14	30	116	2.5	18	265	3.3	24

This number was then divided into the reported value to obtain a figure called the response ratio. A stacked histogram was then made for each of the 25 lines of samples of the response ratios as shown on figures #5 through to #29, respectively.

In addition, a plan map was made for each of the response ratios for the ten metals, copper, gold, silver, copper, molybdenum, lead, zinc, uranium, cobalt, nickel, and cerium on maps GC-1 to GC-10, respectively, for Grid One, and GC-11 to GC-20, respectively, for Grid Two. On each map, the lab result data was plotted and contoured at a logarithmic interval.

# 11.0 INTERPRETATION AND CONCLUSIONS

Five anomalies have been identified for purposes of further discussion. These have been labeled by the upper case letters 'A' to 'E', inclusive.

<u>Anomaly A</u> is primarily a gold anomaly that occurs along the eastern edge of Grid One South with the high being 12 ppb, a value that is 240 times background. This zone is open to the north, south, and east with the minimum strike length appearing to be 600 meters. Because the anomaly occurs along the edge of the survey area and old placer tailings limited the sampling to the west, it is difficult to determine the extent of the anomaly but it appears to be significant. It is also anomalous in copper, silver, uranium, cobalt, lead, zinc, and nickel. The lead and zinc occur mostly along the western edge of the gold high. The nickel is indicative of an ultra basic rock-type such as listwanite.

<u>Anomaly B</u> is also principally a gold anomaly that is located along the southwestern edge of Grid One North. It appears to strike north-northwest and to have a minimum strike length of 450 meters being open to the north-northwest, south-southeast, and west. It also correlates with silver, copper, uranium, and nickel. Like anomaly A, the extent of the anomaly is unknown but it could be significant as well. It is quite possible that this anomaly is the north-northwestern extent of Anomaly A which would result in a minimum strike length of 1800 meters. The survey will need to be expanded to the north, south, and west.

<u>Anomaly C</u> is, at this point the anomaly of strongest exploration interest because of the very strong copper results over a sizable area. It occurs within the northeastern part of Grid One North, striking northerly, has a minimum width of 450 meters being open to the east, and a minimum strike length of 300 meters being open to the north and south. It also correlates with very strong nickel anomalous results as well as with molybdenum and uranium anomalous results. There is also correlation with anomalous gold results but these are not as strong as those of Anomaly A.

There appears to be at least two causative sources of Anomaly C, as suggested by the copper, molybdenum, and nickel results. They both strike northerly and the center of each is about 200 meters apart.

The cerium MMI results are very low over the Anomaly C area whereas the nickel results are very strong. It is quite likely that the host rock is a basic or ultra basic rock-type, possibly a listwanite. The rest of the Grid One North survey area consists of much higher cerium results suggesting the possibility that the area is underlain by acidic intrusives. The geology map, map #3, indicates these to be granitic intrusive rocks of the Surprise Lake Plutonic Suite.

<u>Anomaly D</u> is a northerly-trending relatively narrow gold anomaly occurring on the western side of Grid Two. It has a minimum strike length of 300 meters being open to both the north and the south. It also correlates with anomalous copper and silver results. The relative narrowness of the anomaly suggests it is reflecting vein-type mineralization.

<u>Anomaly E</u>, occurring on the eastern side of Grid Two, is a fairly strong zinc and uranium anomaly with associated values in gold, copper, silver, molybdenum, lead, cobalt, and nickel. It is also relatively narrow zone suggesting the causative source to be a vein-type mineralization.

# **12.0 RECOMMENDATIONS**

- The MMI sampling should be continued within and in all directions of Grid One, specifically to determine the extent of anomalies A, B, and C. The spacing should be the same as that of Grid One North, specifically, every 25 meters on survey lines 50 meters apart.
- In addition, broadly spaced east-west lines across the mid to upper reaches of Otter Creek, and the coincident Otter Creek fault, should be carried out. In the event that these "exploration" lines prove anomalous, fill-in lines along with greater sampling density along the lines should take place.
- An Induced Polarization (IP) survey should be carried out over anomalous areas in order to optimize drill targets especially the depths of the causative source. So far this would include anomalies A and C. Further detailing may also result in the including of Anomaly B.

• The MMI anomalies should be diamond drilled especially those that correlate with IP anomalies.

#### **13.0 REFERENCES**

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# 14.0 STATEMENTS OF QUALIFICATIONS

# GARRY PAYIE

#### 3714 Raymond Street South, Victoria, British Columbia V8Z 4K1

#### Tel: 250.479.2299 Cell: 250.891.0983

Email: garry@tessco.ca or gpayie@hotmail.com

I, Garry Payie, am a self-employed Professional Geoscientist residing in the city of Victoria, British Columbia and do hereby certify that:

- 1. I graduated with a Bachelor of Science degree in Geological Sciences from the University of British Columbia, Vancouver, British Columbia in 1983.
- 2. I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
- 3. I have worked as a geologist in British Columbia for twenty-four years since my graduation from 1983 to present, having been employed by the BC Geological Survey Branch and several junior to senior resource companies as both a contract employee and as a consultant.
- 4. I maintain no interest in Blind Creek Resources or its claims that are the subject of this report.
- 5. This report is based upon a personal examination of all available company and government reports pertinent to the subject property and my supervision of the geochemical program as summarized in this report.

Dated this 27<sup>th</sup> day of December 2007.

Garry Payie, P.Geo.

#### **DAVID G MARK**

6204 – 125<sup>th</sup> Street, Surrey, British Columbia V3X 2E1

Tel: 604.596.4564 Cell: 778.908.4021

Email: davidgmark@shaw.ca

I, DAVID G. MARK, of the City of Surrey, in the Province of British Columbia, do hereby certify that:

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I am a Consulting Geophysicist of Geotronics Consulting Inc., with offices at  $6204 - 125^{\text{th}}$  Street, Surrey, British Columbia.

I further certify that:

- 1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
- 2. I have been practicing my profession for the past 40 years, and have been active in the mining industry for the past 43 years.
- 3. This report is compiled from data obtained from MMI soil sample surveying on the Surprise Lake Property of Blind Creek Resources carried out by a 4-man crew of Geotronics Consulting headed by myself to the immediate south of Surprise Lake and to the immediate east of Otter Creek in the Atlin Area during the period of August 11<sup>th</sup> to 19<sup>th</sup>, 2007.
- 4. I do not hold any interest in Blind Creek Resources Ltd, nor in any of its properties, nor will I be receiving any interest as a result of writing this report.

David G. Mark, P.Geo. Geophysicist December 27<sup>th</sup>, 2007

# **15.0 STATEMENT OF COSTS**

FIELD:		
Mob/demob from Vancouver - Atlin, return, Blind Creek's share	\$ 1,390.00	
MMI Survey, 4-man crew, 9 days @ \$1,450/day	13,050.00	
Room and board, 37 man-days @ \$100/man-day	\$3,700.00	
Garry Payie, P.Geo. 1 day @ \$500/day		
Helicopter	<u>\$3,150.00</u>	
TOTAL	\$21,290.00	\$21,290.00
LABORATORY:		
Trucking costs for sample shipping	\$815.00	
Laboratory testing of 596 samples @ \$35/sample	24,360.00	
TOTAL	\$25,175.00	\$25,175.00
DATA REDUCTION and REPORT:		
Data organizing and reduction	\$2,000.00	
Interpretive report	\$3,500.00	
TOTAL	\$5,500.00	\$5,500.00
GRAND TOTAL		\$51,965.00

Remainder to PAC account.

APPENDIX – MMI CERTIFICATES OF ANALYSIS





Figure 1. Main Block Claim Group, Blind Creek Resources Ltd.



# **Geology Legend**

#### Pleistocene to Holocene



undivided sedimentary rocks

#### Neogene



**Tuya Formation:** alkaline volcanic rocks

# Late Cretaceous

Surprise Lake Plutonic Suite



granite, alkali feldspar granite intrusive rocks

# Middle Jurassic

Three Sisters Plutonic Suite



tonalite intrusive rocks

#### Lower Jurassic

Laberge Group



**Inklin Formation:** argillite, greywacke, wacke, conglomerate turbidites

# Middle Triassic to Early Jurassic

Cache Creek Complex



argillite, greywacke, wacke, conglomerate turbidites

# **Upper Permian to Jurassic**



mudstone/laminite fine clastic sedimentary rocks

# **Carboniferous to Triassic**



undivided sedimentary rocks

# Mississippian to Triassic



**Kedahda Formation:** chert, siliceous argillite, siliciclastic rocks



Kedahda Formation: limestone, marble, calcareous sedimentary rocks



# Late Mississippian to Permian



Nakina Formation: gabbroic to dioritic intrusive rocks

# Upper Mississippian to Permian



Nakina Formation: basaltic volcanic rocks



eclogite/mantle tectonite



Horsefeed Formation: limestone, marble, calcareous sedimentary rocks



n ultramafic rocks



MINFILE occurrences including all gold placer producing creeks



Blind Creek Resources Main Block claims

Geology and legend from: www.em.gov.bc.ca/Mining/Geolsurv/MapPlace



# MINFILE OCCURRENCES\*

104N	007	BEAVIS	104N	036	FEATHER CREEK
104N	800	IMPERIAL	104N	039	SLATE CREEK
104N	009	LAKEVIEW	104N	040	O'DONNEL RIVER
104N	010	WHITE STAR	104N	041	BURDETTE CREEK
104N	019	AITKEN GOLD	104N	042	GOLDEN VIEW
104N	027	BOULDER CREEK	104N	043	YELLOW JACKET
104N	028	RUBY CREEK	104N	044	PICTOU (L.5643)
104N	029	WILLOW CREEK	104N	045	RELIEF
104N	030	PINE CREEK	104N	046	ANACONDA
104N	031	BIRCH CREEK	104N	047	EAGLE
104N	032	OTTER CREEK	104N	050	MONARCH MOUNTAIN
104N	033	WRIGHT CREEK	104N	061	RU
104N	034	SPRUCE CREEK	104N	076	SURPRISE
104N	035	MCKEE CREEK	104N	079	ATLIN

104N 080 GOLD 218A 104N 091 GOLD STAR 104N 098 SHUKSAN 104N 099 EAGLE CREEK 104N 100 GV 104N 101 ANNA 104N 103 PIKE 104N 104 **MCKEE CREEK** 104N 116 CABIN SILVER 104N 117 HARVEY 104N 118 UTOPIA 104N 120 **O-1** 

MINFILE Occurrences



Blind Creek Resources Main Block claims

## Figure X. MINFILE Occurrences -

Main Block Claim Group and Vicinity. Blind Creek Resources Ltd.

\*Red text in legend indicates occurrences on Main Block claims

#### Roads






on the scale south south south south south south south south

Data Reduced by: **GEOTRONICS CONSULTING INC.** 

Line 10000N

100

0

90300 90325 90350F

90375E 90400E

Line 09900N

onalist onalist onalist onome

Survey Station

















Data Reduced by: GEOTRONICS CONSULTING INC.







Data Reduced by: **GEOTRONICS CONSULTING INC.** 













100





Data Reduced by: **GEOTRONICS CONSULTING INC.** 







Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)



L 10300 N





Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)



L 10300 N





Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10







Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10









Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10









Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)





L 10300 N





Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)



Α





Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10







Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)





Α





Soils Tested by: SGS Laboratories Toronto, Ontario

Grid Base: UTM (last 4 or 5 numbers)

Contour Interval: log base 10

Note: Values are in parts per billion (ppb)



Α
























# **Certificate of Analysis**

Work Order: 095326

Date: Oct 18, 2007

### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	77
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 77 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient Sample = No result
	*INF = Composition of this sample makes detection i	npossible by this method
	M after a result denotes ppb to ppm conversion, % deno	es ppm to % conversion
	Methods marked with an asterisk (e.g. *NAA08V) were si	bcontracted
	Subject to SGS Ger	eral Terms and Conditions

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SGS Canada Inc.

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Element Method Det.Lim.	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11350N-90150E	17	64	10	0.2	2570	<1	240	21	59	42
L-11350N-90175E	28	56	<10	0.2	2890	<1	220	13	63	19
L-11350N-90200E	28	52	30	0.2	1260	<1	110	7	129	62
L-11350N-90225E	26	31	10	0.2	4810	<1	280	13	51	163
L-11350N-90250E	16	80	<10	<0.1	2710	<1	240	46	74	62
L-11350N-90275E	24	74	20	<0.1	2130	<1	150	4	88	65
L-11350N-90300E	14	71	20	<0.1	2980	<1	170	4	68	61
L-11350N-90325E	17	56	30	<0.1	3500	<1	130	5	44	73
L-11350N-90350E	20	151	30	<0.1	3720	<1	130	10	165	126
L-11350N-90375E	4	99	40	0.2	1990	<1	130	3	132	140
L-11350N-90400E	10	45	20	0.2	4010	<1	190	5	55	110
L-11350N-90425E	23	62	10	<0.1	2670	<1	200	8	50	41
L-11350N-90450E	10	102	20	<0.1	2030	<1	180	9	76	91
L-11350N-90475E	9	97	20	0.2	1990	<1	130	7	248	161
L-11350N-90500E	14	35	20	<0.1	5230	<1	220	5	74	62
L-11350N-90525E	13	13	<10	<0.1	4150	<1	300	6	40	64
L-11350N-90550E	32	50	10	<0.1	5040	<1	270	12	67	86
L-11350N-90575E	19	66	20	<0.1	3690	<1	170	9	49	89
L-11350N-90600E	14	123	20	<0.1	3300	<1	160	20	96	113
L-11350N-90625E	17	105	20	<0.1	4960	<1	150	5	78	68
L-11350N-90650E	12	71	20	<0.1	3980	<1	170	7	57	96
L-11350N-90675E	12	179	20	<0.1	3130	<1	90	9	177	180
L-11350N-90700E	10	83	10	<0.1	2390	<1	220	18	100	105
L-11350N-90725E	3	115	10	<0.1	1940	<1	170	59	172	334
L-11350N-90750E	8	>300	50	<0.1	1780	<1	310	101	535	427
L-11350N-90775E	10	75	<10	<0.1	1800	<1	260	15	63	71
L-11350N-90800E	6	207	20	0.1	1950	<1	100	26	188	325
L-11350N-90825E	2	89	110	<0.1	790	<1	230	33	67	257
L-11350N-90850E	5	22	10	0.4	770	<1	360	19	23	39
L-11150N-90200E	12	10	<10	<0.1	4190	<1	280	3	23	26
L-11150N-90225E	11	51	10	<0.1	4610	<1	290	9	79	65
L-11150N-90250E	21	34	<10	<0.1	2390	<1	290	9	17	58
L-11150N-90275E	14	138	20	<0.1	3350	<1	130	12	134	158
L-11150N-90300E	14	46	<10	<0.1	5490	<1	250	7	47	70
L-11150N-90325E	16	100	20	<0.1	5210	<1	220	14	136	106
L-11150N-90350E	15	36	<10	0.2	5760	<1	260	4	55	28
L-11150N-90375E	15	106	40	<0.1	3160	<1	150	6	58	152
L-11150N-90400E	16	60	20	0.2	5210	<1	230	4	81	97
L-11150N-90425E	15	118	30	<0.1	2310	<1	160	9	61	110
L-11150N-90450E	7	86	20	<0.1	3380	<1	160	6	72	84
L-06900N-91625E	11	40	<10	<0.1	1060	<1	470	105	15	24
L-06900N-91650E	8	49	<10	<0.1	890	<1	350	18	27	26
L-06900N-91675E	19	12	<10	0.2	1000	<1	590	61	<5	
L-06900N-91700E	7		<10	<0.1	970	<1	370	- · 97	50	94
L-06900N-91725E	21	25	<10	0.2	1010	<1	640	103	9	23
L-06900N-91750E	70	40	<10	0.2	1630	<1	1130	158	- 19	26
L-06900N-91775E	10	80	20	0.2	1060	<1	250	4	47	32
L-06900N-91800E	49	60	20	0.3	1920	<1	310	9	81	69

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L-06900N-91825E	22	62	<10	0.4	1720	<1	490	41	21	17
L-06900N-91850E	84	58	<10	0.5	1180	<1	480	37	32	22
L-06900N-91875E	23	30	<10	<0.1	2040	<1	590	5	26	26
L-06900N-91900E	15	156	<10	<0.1	3760	<1	690	87	202	404
L-06900N-91925E	24	43	<10	0.5	2610	<1	1270	91	30	123
L-06900N-91950E	56	52	<10	0.5	2390	<1	1050	83	35	62
L-06900N-91975E	13	154	40	<0.1	2350	<1	160	17	141	205
L-06900N-92000E	31	33	10	0.1	1580	<1	460	18	24	126
L-07000N-91625E	17	71	<10	0.3	1680	<1	370	34	42	35
L-07000N-91650E	20	15	<10	1.7	3050	<1	390	4	42	18
L-07000N-91675E	22	46	<10	0.5	1390	<1	390	83	55	30
L-07000N-91700E	16	63	<10	<0.1	970	<1	380	54	41	55
L-07000N-91725E	9	98	<10	0.1	970	<1	340	6	55	52
L-07000N-91750E	24	70	<10	<0.1	1590	<1	420	52	29	40
L-07000N-91775E	25	75	10	<0.1	1230	<1	340	13	52	32
L-07000N-91800E	7	165	20	<0.1	1320	<1	180	14	155	254
L-07000N-91825E	14	57	<10	<0.1	2580	<1	480	49	47	32
L-07000N-91850E	12	73	<10	<0.1	1740	<1	430	25	25	23
L-07000N-91875E	12	142	<10	<0.1	1810	<1	270	46	37	43
L-07000N-91900E	28	56	<10	0.2	2280	<1	1040	171	22	28
L-07000N-91925E	6	102	<10	<0.1	1280	<1	300	17	58	62
L-07000N-91950E	16	105	<10	<0.1	1360	<1	450	117	40	39
L-07000N-91975E	10	142	10	<0.1	1220	<1	270	38	75	124
L-07000N-92000E	11	68	<10	<0.1	1440	<1	310	24	43	50
L-07000N-92025E	6	82	10	<0.1	1350	<1	280	12	60	65
L-07000N-92050E	4	103	10	<0.1	1970	<1	250	11	48	92
L-07000N-92075E	38	134	<10	0.1	1110	<1	330	231	77	19
L-07000N-92100E	13	36	<10	0.1	1560	<1	400	24	44	119
L-07000N-92125E	<1	15	<10	<0.1	1200	<1	490	2	<5	13
*Dup L-11350N-90150E	15	59	10	<0.1	2560	<1	240	19	50	38
*Dup L-11350N-90450E	10	102	20	<0.1	1900	<1	190	9	76	75
*Dup L-11350N-90750E	13	>300	40	<0.1	1630	<1	390	94	1010	274
*Dup L-11150N-90375E	14	109	40	<0.1	2920	<1	150	6	70	153
*Dup L-06900N-91825E	27	62	<10	0.4	1860	<1	510	27	19	20
*Dup L-07000N-91725E	10	92	<10	0.2	1040	<1	350	6	74	71
*Dup L-07000N-92025E	7	82	10	0.1	1270	<1	280	12	58	61
*Std MMISRM14	17	33	10	41.0	140	<1	280	7	16	39
*Std MMISRM14	17	36	10	42.1	100	<1	270	7	18	42
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5	Mg MMI-M5 1
Det.LIM. Unito	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
	100	100	8	37	2 1	 ۱۵	10	21	<5	
L-11350N-90175E	<100	220	10	۶.7 ۸ 7	2.1	40 21	13	31	~~ <5	63
L-11350N-90200F	100	220	22	12.6	2.0	27	22	10	<5	21
L-11350N-90225E	<100	800	5	2.6	0. <del></del> 0.0	170	<u>۲۲</u> ۸		<5	45
L-11350N-90250E	100	180	8	3.9	2.1	78	10	21	<5	
L_11350N_90275E	200	180	11	۵.۵ ۸ ۹	2.1	60	13	43	<5	35
L-11350N-90300F	200	100	6	 2 7	1 3	88	7		<5	50
L_11350NL90325E	100	150	5	2.1	1.0	53	6	21	<5	л1
L-11350N-90350F	300	220	15	2. <del>7</del> 6 9	3 1	112	17	76		
L-11350N-90375E	300	160	11	5.2	2.7	78	12	70 40	<5	20
L-11350N-90400E	100	560	5	2.2	1.7	86	7	20	<5	21 64
L-11350NL-90425F	100	230	8	2.0 3 Q	1.2	57	' Q	20	<5	67
-11350N-90450F	200	210	10	5.3	23	78	12	 30	5	30
L-11350N-90475F	300	200	30	14.2	6.3	80	34	79	<5	72
L-11350N-90500F	100	130	8	3.6	1 7	37	9	31	7	88
L_11350NL90525E	<100	230	7	3.6	1 4	16	8	13	<5	88
L_11350N_90550F	<100	200	11	6.0	24	01 60	13	34	<5	77
L-11350N-90575F	100	220	7	3.4	1 5	72	8	26	5	57
L-11350N-90600F	300	220	9	4 A	2.1	102	10	20 40	12	35
L_11350NL90625E	200	200	11	 6 0	23	93	14	 51	 Q	47
L-11350NL-90650F	200	140	6	29	1 2	70	7	27	7	47
L-11350N-90675E	300	180	16	8.7	3.4	112	18	74	17	40
L-11350N-90700F	100	180	8	3.9	1 3	63	9	34	10	46
L-11350N-90725E	200	240	13	6.3	1.8	128	15	43	20	68
L-11350N-90750E	200	4120	322	226	30.0	179	236	233	24	64
L-11350N-90775E	<100	100	8	4.0	1.7	68	9		9	71
L-11350N-90800E	300	280	- 23	12.4	4.4	155	- 24	 72	26	48
L-11350N-90825E	200	170	 7	4.1	1.3	102	- 8	20	21	64
L-11350N-90850E	<100	560	11	6.6	1.8	19	10	9	29	59
L-11150N-90200E	<100	160	5	2.6	0.9	17	6	16	<5	117
L-11150N-90225E	100	180	8	3.5	1.9	53	9	26	<5	56
L-11150N-90250E	<100	180	3	1.7	0.5	33	3	8	<5	86
L-11150N-90275E	200	230	9	4.1	2.3	74	11	47	7	54
L-11150N-90300E	<100	170	7	3.2	1.4	41	8	22	<5	53
L-11150N-90325E	200	240	13	6.6	3.0	64	15	50	6	64
L-11150N-90350E	<100	290	12	5.6	2.6	23	14	28	<5	91
L-11150N-90375E	300	200	6	3.0	1.5	94	7	28	8	61
L-11150N-90400E	100	210	8	4.0	1.7	40	9	21	<5	66
L-11150N-90425E	300	200	6	3.1	1.4	103	7	24	9	43
L-11150N-90450E	200	220	7	2.9	1.3	62	7	24	<5	59
L-06900N-91625E	<100	600	7	3.4	2.3	14	10	9	<5	48
L-06900N-91650E	<100	470	11	5.2	3.1	21	15	16	7	33
L-06900N-91675E	<100	610	3	1.4	0.8	6	4	3	<5	58
L-06900N-91700E	<100	300	9	5.4	2.1	45	10	17	7	47
L-06900N-91725E	<100	520	16	8.9	3.9	10	18	10	<5	62
L-06900N-91750E	<100	2410	18	8.8	5.6	15	25	16	7	113
L-06900N-91775E	100	350	11	5.0	2.9	41	13	23	<5	19
L-06900N-91800E	200	390	8	3.9	2.0	53	9	16	<5	40

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Element Method Det.Lim.	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
1 06000N 01825E	<100	050	22	174	5.8	10	 77	17	-5	11 101
L-06900N-91850E	<100	5250	25	12.4 21.7	9.5	12	21 //	25	~J <5	42
1_06900N-91875E	<100	3200	ىر م	21.7 1 0	2.5	12	12	11	-5 <5	
1_06900N_91900E	200	740	32		7 1	13 81	12	64	13	22 66
1-06900N-91925E	<100	2220	13	7 1	3.5	16	16	13	12	157
1-06900N-91950E	<100	3650	27	13.6	7.9	17	36	27	5	118
I -06900N-91975E	200	250		6.2	3.8	98	16	 48	ر ۱۱	23
1_06900N_92000F	<100	400	13	2.1	1 1	19	5	 6	<5	35
1-07000N-91625E	<100	830	17	2.1 7 9	4.8	19	23	32	<5	36
L_07000N_91650E	<100	940	22	10.3	7.0	13	20	48	<5	20 49
1_07000N_91675E	<100	550	22	13.7	7.4	17	34	36		73
1_07000N_91700F	<100	370		8 2	4 2		19	20	 <5	45
1-07000N-91725E	200	540	14	6.7	3.7	2-1 31	17	18	<5	
I -07000N-91750E	<100	440 440	12	6.5	3.2	18	16	13	<5	48
1-07000N-91775F	<100	350	15	7.9	4 0	34	18	18	<5	41
I -07000N-91800F	300	420	15	7 4	4 0	86	17	41	9	25
L-07000N-91825E	<100	220	7	3.6	1.6	21	9	11	<5	 33
L-07000N-91850E	<100	360	14	7.8	3.5	23	17	15	<5	54
L-07000N-91875E	<100	150	9	5.1	2.0	57	10	15	<5	25
L-07000N-91900E	<100	1030	12	6.0	3.5	18	16	14	7	137
L-07000N-91925E	200	130	13	7.3	3.1	51	15	21	7	63
L-07000N-91950E	<100	330	18	10.2	3.8	21	19	19	<5	46
L-07000N-91975E	200	280	13	6.3	2.8	74	14	28	8	22
L-07000N-92000E	100	140	6	3.2	1.6	31	8	12	6	52
L-07000N-92025E	200	130	8	3.7	1.8	39	9	14	6	40
L-07000N-92050E	200	100	8	4.1	1.9	63	9	25	9	36
L-07000N-92075E	<100	710	58	32.4	11.4	31	56	54	<5	25
L-07000N-92100E	<100	520	9	4.5	3.1	37	14	26	<5	47
L-07000N-92125E	<100	670	<1	0.6	<0.5	7	<1	<1	<5	13
*Dup L-11350N-90150E	100	180	7	3.6	1.8	48	9	27	<5	62
*Dup L-11350N-90450E	100	200	10	5.3	2.4	67	12	30	<5	33
*Dup L-11350N-90750E	100	3630	369	215	44.2	139	345	373	18	66
*Dup L-11150N-90375E	300	200	7	3.1	1.6	95	8	34	7	63
*Dup L-06900N-91825E	<100	1120	21	11.5	5.7	14	26	17	<5	45
*Dup L-07000N-91725E	100	640	13	7.0	3.8	40	16	20	5	30
*Dup L-07000N-92025E	200	140	7	3.6	1.8	37	9	15	6	39
*Std MMISRM14	<100	740	2	0.6	0.8	2	3	3	<5	36
*Std MMISRM14	<100	760	2	0.6	0.8	3	3	3	<5	35
*BIk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5 5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5 1	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5 1
Det.Lim. Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-11350N-90150E	9	2.3	35	621	70	<1	8	<1	99	<1
L-11350N-90175E	10	2.0	44	380	50	<1	10	<1	73	<1
L-11350N-90200E	6	1.0	59	207	50	<1	13	<1	73	<1
L-11350N-90225E	8	3.2	27	304	30	<1	7	<1	87	<1
L-11350N-90250E	8	5.8	37	1270	70	<1	8	<1	95	<1
L-11350N-90275E	6	2.9	46	330	70	<1	11	<1	140	<1
L-11350N-90300E	8	4.4	27	561	70	<1	7	<1	117	<1
L-11350N-90325E	8	3.4	21	323	50	<1	5	<1	98	<1
L-11350N-90350E	11	8.7	66	633	110	<1	18	<1	117	1
L-11350N-90375E	11	3.1	49	446	70	<1	12	<1	90	<1
L-11350N-90400E	8	2.6	27	815	70	<1	7	<1	85	<1
L-11350N-90425E	6	3.1	31	704	50	<1	8	<1	105	<1
L-11350N-90450E	12	5.0	40	572	60	<1	10	<1	101	<1
L-11350N-90475E	9	4.0	112	818	80	<1	26	<1	96	<1
L-11350N-90500E	<5	1.6	32	473	50	<1	8	<1	65	<1
L-11350N-90525E	<5	<0.5	18	1350	40	<1	4	<1	41	<1
L-11350N-90550E	5	3.9	38	1280	70	<1	9	<1	119	<1
L-11350N-90575E	9	4.0	30	771	70	<1	7	<1	119	<1
L-11350N-90600E	12	9.0	43	669	90	<1	11	<1	149	<1
L-11350N-90625E	8	6.9	48	597	80	<1	12	<1	98	<1
L-11350N-90650E	7	7.4	28	763	80	<1	7	<1	105	<1
L-11350N-90675E	13	19.3	74	973	100	<1	20	<1	151	1
L-11350N-90700E	10	9.6	38	687	90	<1	10	<1	125	<1
L-11350N-90725E	16	14.5	58	1080	140	<1	15	<1	129	<1
L-11350N-90750E	15	5.9	469	11100	260	<1	101	<1	102	1
L-11350N-90775E	13	8.2	34	693	80	<1	8	<1	75	<1
L-11350N-90800E	18	17.2	84	1390	140	<1	21	<1	32	<1
L-11350N-90825E	14	6.9	27	1360	90	<1	7	<1	155	<1
L-11350N-90850E	7	<0.5	17	4970	30	<1	3	<1	135	<1
L-11150N-90200E	6	<0.5	17	756	30	<1	4	<1	62	<1
L-11150N-90225E	6	1.3	34	903	50	<1	8	<1	104	<1
L-11150N-90250E	6	0.8	10	684	40	<1	2	<1	66	<1
L-11150N-90275E	8	3.0	44	576	100	<1	12	<1	147	<1
L-11150N-90300E	<5	0.8	27	633	50	<1	6	<1	115	<1
L-11150N-90325E	7	3.0	56	1210	90	<1	14	<1	104	<1
L-11150N-90350E	5	1.0	42	702	30	<1	9	<1	108	<1
L-11150N-90375E	8	5.1	28	1030	90	<1	7	<1	173	<1
L-11150N-90400E	8	1.4	29	508	70	<1	6	<1	161	<1
L-11150N-90425E	11	6.0	25	821	90	<1	7	<1	136	<1
L-11150N-90450E	6	1.7	24	543	70	<1	6	<1	143	<1
L-06900N-91625E	6	<0.5	23	1080	10	<1	4	<1	44	<1
L-06900N-91650E	7	<0.5	36	568	20	<1	7	<1	80	<1
L-06900N-91675E	6	<0.5	8	1100	<10	<1	1	<1	27	<1
L-06900N-91700E	9	1.1	29	734	160	<1	6	<1	209	<1
L-06900N-91725E	7	<0.5	26	3550	10	<1	4	<1	38	<1
L-06900N-91750E	15	<0.5	44	5310	10	<1	7	<1	141	<1
L-06900N-91775E	12	1.0	37	326	50	<1	8	<1	157	<1
L-06900N-91800E	9	1.3	25	651	70	<1	5	<1	134	<1

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Element Method Det.Lim.	Mo MMI-M5 5	Nb MMI-M5 0.5	Nd MMI-M5 1	Ni MMI-M5 5	Pb MMI-M5 10	Pd MMI-M5 1	Pr MMI-M5 1	Pt MMI-M5 1	Rb MMI-M5 5	Sb MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-06900N-91825E	7	<0.5	42	2980	10	<1	8	<1	45	<1
L-06900N-91850E	8	<0.5	81	2430	20	<1	15	<1	16	<1
L-06900N-91875E	7	<0.5	30	376	10	<1	5	<1	84	<1
L-06900N-91900E	30	3.7	99	2250	180	<1	22	<1	130	<1
L-06900N-91925E	14	<0.5	30	4880	20	<1	5	<1	44	<1
L-06900N-91950E	20	<0.5	66	4220	10	<1	12	<1	63	<1
L-06900N-91975E	13	4.8	57	407	180	<1	14	<1	70	2
L-06900N-92000E	11	<0.5	12	486	20	<1	2	<1	109	<1
L-07000N-91625E	5	<0.5	60	1800	30	<1	12	<1	36	<1
L-07000N-91650E	6	<0.5	87	1030	10	<1	17	<1	12	<1
L-07000N-91675E	7	<0.5	77	3150	40	<1	15	<1	49	<1
L-07000N-91700E	9	<0.5	44	968	40	<1	8	<1	115	<1
L-07000N-91725E	7	0.6	40	901	40	<1	8	<1	145	<1
L-07000N-91750E	11	<0.5	33	1580	30	<1	6	<1	95	<1
L-07000N-91775E	11	0.6	41	824	60	<1	8	<1	92	1
L-07000N-91800E	14	3.5	61	555	140	<1	14	<1	117	<1
L-07000N-91825E	7	<0.5	22	546	90	<1	5	<1	61	<1
L-07000N-91850E	6	<0.5	35	1580	30	<1	7	<1	120	<1
L-07000N-91875E	8	0.9	27	497	160	<1	6	<1	68	<1
L-07000N-91900E	14	<0.5	35	2930	10	<1	6	<1	129	<1
L-07000N-91925E	6	<0.5	38	681	60	<1	8	<1	230	<1
L-07000N-91950E	6	0.5	39	1880	50	<1	7	<1	46	<1
L-07000N-91975E	11	3.4	41	473	140	<1	10	<1	94	<1
L-07000N-92000E	7	<0.5	22	613	50	<1	5	<1	145	<1
L-07000N-92025E	7	0.5	25	500	60	<1	5	<1	210	<1
L-07000N-92050E	10	1.6	32	432	110	<1	8	<1	206	<1
L-07000N-92075E	<5	0.9	111	2580	70	<1	22	<1	84	<1
L-07000N-92100E	9	<0.5	43	629	30	<1	9	<1	78	<1
L-07000N-92125E	6	<0.5	<1	1340	<10	<1	<1	<1	<5	<1
*Dup L-11350N-90150E	7	2.5	33	588	50	<1	8	<1	89	<1
*Dup L-11350N-90450E	12	4.1	42	556	60	<1	10	<1	103	<1
*Dup L-11350N-90750E	15	3.9	781	12200	240	<1	171	<1	96	1
*Dup L-11150N-90375E	9	5.2	33	1010	90	<1	9	<1	172	<1
*Dup L-06900N-91825E	9	<0.5	45	2780	30	<1	8	<1	46	<1
*Dup L-07000N-91725E	7	0.7	42	872	50	<1	8	<1	157	<1
*Dup L-07000N-92025E	7	<0.5	25	475	60	<1	6	<1	220	<1
*Std MMISRM14	35	<0.5	12	196	80	39	2	<1	271	<1
*Std MMISRM14	36	<0.5	12	214	90	42	2	<1	261	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method Det.Lim.	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	TI MMI-M5 0.5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-11350N-90150E	17	8	<1	570	<1	2	<10	10.4	920	<0.5
L-11350N-90175E	15	11	<1	470	<1	2	<10	8.1	534	<0.5
L-11350N-90200E	27	17	<1	250	<1	4	<10	13.6	221	0.5
L-11350N-90225E	19	5	<1	660	<1	<1	<10	8.1	622	<0.5
L-11350N-90250E	23	9	<1	540	<1	2	<10	10.5	954	<0.5
L-11350N-90275E	30	11	<1	340	<1	2	<10	11.5	724	<0.5
L-11350N-90300E	15	6	<1	460	<1	1	<10	9.2	1420	<0.5
L-11350N-90325E	14	5	<1	300	<1	<1	<10	8.1	996	<0.5
L-11350N-90350E	41	15	<1	300	<1	3	<10	23.6	2310	<0.5
L-11350N-90375E	26	12	<1	330	<1	2	<10	14.8	1080	<0.5
L-11350N-90400E	16	6	<1	610	<1	1	<10	7.8	749	<0.5
L-11350N-90425E	19	7	<1	490	<1	1	<10	8.1	736	<0.5
L-11350N-90450E	29	10	<1	320	<1	2	<10	12.3	1210	<0.5
L-11350N-90475E	71	29	<1	420	<1	6	<10	24.4	1580	<0.5
L-11350N-90500E	18	8	<1	840	<1	1	<10	9.2	418	<0.5
L-11350N-90525E	10	6	<1	910	<1	1	<10	3.2	96	<0.5
L-11350N-90550E	25	10	<1	1080	<1	2	<10	7.0	966	<0.5
L-11350N-90575E	18	7	<1	480	<1	1	<10	7.2	1310	<0.5
L-11350N-90600E	40	9	1	320	<1	2	<10	18.0	2120	<0.5
L-11350N-90625E	30	11	<1	410	<1	2	<10	15.9	1700	<0.5
L-11350N-90650E	20	6	<1	540	<1	1	<10	13.8	1100	<0.5
L-11350N-90675E	46	16	2	280	<1	3	<10	29.6	4900	<0.5
L-11350N-90700E	20	8	<1	510	<1	1	<10	26.9	1490	<0.5
L-11350N-90725E	40	15	1	300	<1	2	<10	28.5	2870	<0.5
L-11350N-90750E	218	168	<1	720	<1	48	<10	117	792	1.2
L-11350N-90775E	16	8	<1	440	<1	1	<10	10.0	1700	<0.5
L-11350N-90800E	53	21	2	240	<1	4	<10	24.6	3770	<0.5
L-11350N-90825E	26	7	<1	380	<1	1	<10	15.7	845	<0.5
L-11350N-90850E	10	6	<1	640	<1	2	<10	2.3	85	<0.5
L-11150N-90200E	7	4	<1	760	<1	<1	<10	1.9	143	<0.5
L-11150N-90225E	27	8	<1	680	<1	1	<10	8.5	325	<0.5
L-11150N-90250E	9	3	<1	790	<1	<1	<10	2.6	221	<0.5
L-11150N-90275E	35	10	<1	350	<1	2	<10	12.2	1180	<0.5
L-11150N-90300E	16	7	<1	890	<1	1	<10	5.1	332	<0.5
L-11150N-90325E	33	13	<1	800	<1	2	<10	13.6	1030	<0.5
L-11150N-90350E	14	11	<1	950	<1	2	<10	5.4	348	<0.5
L-11150N-90375E	23	6	<1	490	<1	1	<10	9.3	1900	<0.5
L-11150N-90400E	24	8	<1	980	<1	1	<10	9.2	766	<0.5
L-11150N-90425E	30	6	<1	340	<1	1	<10	12.8	1910	<0.5
L-11150N-90450E	20	6	<1	450	<1	1	<10	10.6	505	<0.5
L-06900N-91625E	<5	7	<1	920	<1	1	<10	1.7	63	<0.5
L-06900N-91650E	<5	11	<1	670	<1	2	<10	3.8	99	<0.5
L-06900N-91675E	<5	3	<1	1240	<1	<1	<10	1.3	14	<0.5
L-06900N-91700E	19	- 8	<1	670	<1	2	 <10	7.6	376	<0.5
L-06900N-91725E	<5	11	<1	1340	<1	3	<10	1.2	52	<0.5
L-06900N-91750E	10	16	<1	2320	<1	3	<10	2.5	95	<0.5
L-06900N-91775E	13		<1	540	<1	2	<10	9.7	471	<0.5
L-06900N-91800E	26		<1	970	<1	- 1	<10	13.2	365	<0.5
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Element	Sc	Sm	Sn	Sr	Та	Tb	Те	Th	Ti	TI
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5 10	MMI-M5	MMI-M5	MMI-M5 10	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
I -06900N-91825E	7	17	<1	1300	<1	4	<10	40	41	<0.5
1-06900N-91850F	8	28	<1	1130	<1		<10	4.0 2.7	26	<0.5
L-06900N-91875E	<5		<1	1230	<1	2	<10	3.9	 45	<0.5
L-06900N-91900E	45	26	<1	1660	<1	- 6	<10	18.1	943	<0.5
L-06900N-91925E	12		<1	2880	<1	2	<10	3.9	202	0.5
L-06900N-91950E	12	24	<1	2450	<1	- 5	<10	3.6	84	<0.5
L-06900N-91975E	33		<1	520	<1	3	<10	19.2	2230	<0.5
L-06900N-92000E	8	4	<1	1040	<1	<1	<10	4.8	87	<0.5
L-07000N-91625E	5	17	<1	670	<1	3	<10	3.5	66	<0.5
L-07000N-91650E	14	25	<1	830	<1	4	<10	7.0	42	<0.5
L-07000N-91675E	8	24	<1	670	<1	5	<10	4.0	54	<0.5
L-07000N-91700E	8	14	<1	650	<1	3	<10	3.8	165	<0.5
L-07000N-91725E	12	12	<1	600	<1	3	<10	4.7	280	<0.5
L-07000N-91750E	6	11	<1	860	<1	2	<10	2.6	196	<0.5
L-07000N-91775E	11	13	<1	640	<1	3	<10	4.1	218	<0.5
L-07000N-91800E	48	15	<1	260	<1	3	<10	23.4	1070	<0.5
L-07000N-91825E	<5	7	<1	1130	<1	1	<10	2.2	154	<0.5
L-07000N-91850E	10	12	<1	900	<1	3	<10	1.8	34	<0.5
L-07000N-91875E	21	8	<1	680	<1	2	<10	5.6	520	<0.5
L-07000N-91900E	9	13	<1	2230	<1	2	<10	1.8	83	<0.5
L-07000N-91925E	33	11	<1	490	<1	2	<10	6.0	315	<0.5
L-07000N-91950E	13	13	<1	970	<1	3	<10	2.9	182	<0.5
L-07000N-91975E	33	11	<1	410	<1	2	<10	13.8	1250	<0.5
L-07000N-92000E	9	6	<1	670	<1	1	<10	4.8	237	<0.5
L-07000N-92025E	11	7	<1	500	<1	1	<10	5.5	308	<0.5
L-07000N-92050E	16	8	<1	500	<1	1	<10	8.2	815	<0.5
L-07000N-92075E	33	36	<1	580	<1	10	<10	7.2	263	<0.5
L-07000N-92100E	<5	11	<1	700	<1	2	<10	2.8	139	<0.5
L-07000N-92125E	<5	<1	<1	1140	<1	<1	<10	<0.5	<3	<0.5
*Dup L-11350N-90150E	16	8	<1	540	<1	1	<10	7.0	885	<0.5
*Dup L-11350N-90450E	27	10	<1	360	<1	2	<10	11.1	1070	<0.5
*Dup L-11350N-90750E	205	258	<1	660	<1	62	<10	108	551	1.0
*Dup L-11150N-90375E	24	7	<1	480	<1	1	<10	10.1	1960	<0.5
*Dup L-06900N-91825E	8	17	<1	1340	<1	4	<10	3.8	54	<0.5
*Dup L-07000N-91725E	14	12	<1	630	<1	3	<10	4.9	263	<0.5
*Dup L-07000N-92025E	11	7	<1	510	<1	1	<10	5.2	279	<0.5
*Std MMISRM14	5	3	<1	540	<1	<1	<10	14.6	<3	<0.5
*Std MMISRM14	6	3	<1	500	<1	<1	<10	15.4	<3	<0.5
*Blk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim. Units	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
L-11350N-90150E	6	<1	45	3	120	30
L-11350N-90175E	5	<1	54	3	80	23
L-11350N-90200E	18	<1	123	11	<20	27
L-11350N-90225E	6	1	30	2	120	26
L-11350N-90250E	4	<1	45	3	420	38
L-11350N-90275E	5	<1	52	4	30	39
L-11350N-90300E	3	1	31	2	50	32
L-11350N-90325E	4	<1	26	2	50	36
L-11350N-90350E	10	1	75	5	230	73
L-11350N-90375E	9	1	51	4	80	36
L-11350N-90400E	5	<1	33	2	60	23
L-11350N-90425E	4	<1	44	3	60	32
L-11350N-90450E	6	1	52	4	140	57
L-11350N-90475E	14	<1	154	11	90	58
L-11350N-90500E	4	<1	39	3	70	18
L-11350N-90525E	2	<1	41	3	40	7
L-11350N-90550E	4	<1	75	5	40	29
L-11350N-90575E	3	<1	38	2	80	29
L-11350N-90600E	5	1	45	4	560	72
L-11350N-90625E	8	1	71	5	80	50
L-11350N-90650E	6	<1	33	2	100	39
L-11350N-90675E	7	2	88	7	440	121
L-11350N-90700E	11	<1	42	3	280	37
L-11350N-90725E	8	1	67	6	1200	49
L-11350N-90750E	252	<1	1870	212	340	61
L-11350N-90775E	5	<1	43	3	130	39
L-11350N-90800E	13	1	127	10	250	84
L-11350N-90825E	8	<1	40	3	400	25
L-11350N-90850E	26	<1	65	6	130	7
L-11150N-90200E	2	<1	35	2	20	<5
L-11150N-90225E	4	<1	40	3	120	16
L-11150N-90250E	2	<1	18	1	50	10
L-11150N-90275E	5	<1	43	3	190	33
L-11150N-90300E	4	<1	38	2	40	14
L-11150N-90325E	7	<1	68	5	340	40
L-11150N-90350E	8	<1	64	4	<20	16
L-11150N-90375E	3	<1	32	3	100	37
L-11150N-90400E	9	<1	39	3	50	29
L-11150N-90425E	4	<1	30	3	160	51
L-11150N-90450E	4	<1	32	2	70	35
L-06900N-91625E	39	<1	44	2	3290	8
L-06900N-91650E	37	<1	/1	4	310	14
L-U09UUN-91075E	18	<1	22	1	510	<5
	11	[> د.	58	4 →	1300	17
	63	<1	11/	/ -	230	<5
	/8	[>	128	<u>(</u>	1230	9
	43	[> بر	63 20	4 2	6U 50	33
L-00900N-91800E	12	<1	39	ۍ	50	27

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	Sonoonoonoonoonoonoonoonoonoonoonoonoono			м		
Element	U MMLM5	VV MMLM5	Y MMLM5	YD MMLM5	ZN MMLM5	Zr MMLM5
Det l im	1	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB	PPB
L-06900N-91825E	52	<1	160	10	360	12
L-06900N-91850E	121	<1	277	18	50	9
L-06900N-91875E	10	<1	43	3	30	6
L-06900N-91900E	19	<1	177	12	900	54
L-06900N-91925E	41	<1	100	6	1010	13
L-06900N-91950E	73	<1	185	11	560	12
L-06900N-91975E	9	<1	67	5	260	69
L-06900N-92000E	7	<1	23	2	60	9
L-07000N-91625E	38	<1	107	6	90	11
L-07000N-91650E	23	<1	147	8	<20	19
L-07000N-91675E	17	<1	160	10	900	12
L-07000N-91700E	27	<1	97	7	660	12
L-07000N-91725E	51	<1	75	5	40	25
L-07000N-91750E	24	<1	74	5	820	12
L-07000N-91775E	27	<1	91	7	120	17
L-07000N-91800E	11	<1	71	6	80	70
L-07000N-91825E	7	<1	41	3	1310	9
L-07000N-91850E	60	<1	90	6	760	9
L-07000N-91875E	6	<1	53	4	280	15
L-07000N-91900E	79	<1	74	5	4080	8
L-07000N-91925E	39	<1	85	6	1480	29
L-07000N-91950E	72	<1	118	8	230	19
L-07000N-91975E	8	<1	64	5	200	36
L-07000N-92000E	10	<1	33	2	340	18
L-07000N-92025E	7	<1	37	3	100	21
L-07000N-92050E	14	<1	46	3	40	34
L-07000N-92075E	49	<1	441	21	120	21
L-07000N-92100E	27	<1	59	4	170	10
L-07000N-92125E	40	<1	6	<1	20	<5
*Dup L-11350N-90150E	5	<1	43	3	110	29
*Dup L-11350N-90450E	6	<1	53	4	120	49
*Dup L-11350N-90750E	213	<1	2060	187	210	51
*Dup L-11150N-90375E	4	<1	37	3	110	41
*Dup L-06900N-91825E	53	<1	152	9	370	15
*Dup L-07000N-91725E	52	<1	74	6	40	25
*Dup L-07000N-92025E	6	<1	37	3	70	20
*Std MMISRM14	30	<1	7	<1	300	10
*Std MMISRM14	31	<1	7	<1	300	10
*BIK BLANK	<1	<1	<5	<1	<20	<5
*Blk BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 095328

Date: Oct 18, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	62
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 62 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient = No result
	*INF = Composition of this sample makes detection <i>M</i> after a result denotes ppb to ppm conversion. % deno	mpossible by this method tes ppm to % conversion
	Methods marked with an asterisk (e.g. *NAA08V) were s	ibcontracted
	Subject to SGS Ge	neral Terms and Conditions

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Element Method Det.Lim.	Ag MMI-M5 1	Al MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11400N-90150E	20	35	20	0.4	1200	<1	120	6	149	44
L-11400N-90175E	12	59	20	0.3	3240	<1	210	9	70	54
L-11400N-90200E	16	38	<10	0.2	3610	<1	250	19	27	45
L-11400N-90225E	34	87	<10	<0.1	2500	<1	200	25	85	59
L-11400N-90250E	22	97	20	<0.1	3010	<1	130	10	63	125
L-11400N-90275E	17	25	20	<0.1	3450	<1	200	8	53	95
L-11400N-90300E	21	13	<10	0.2	1980	<1	270	14	126	127
L-11400N-90325E	18	10	<10	0.1	2320	<1	240	4	226	110
L-11400N-90350E	14	62	30	0.1	1400	<1	80	5	137	108
L-11400N-90375E	10	72	50	0.1	2130	<1	110	3	73	139
L-11400N-90400E	29	52	10	0.2	2240	<1	160	4	51	90
L-11400N-90425E	6	52	10	<0.1	3330	<1	210	6	30	59
L-11400N-90450E	14	80	40	0.2	2310	<1	90	5	70	185
L-11400N-90475E	11	99	20	<0.1	2050	<1	190	20	81	110
L-11400N-90500E	4	55	60	0.6	1900	<1	90	2	129	150
L-11400N-90525E	25	9	<10	0.2	1630	<1	150	5	37	209
L-11400N-90550E	21	65	30	<0.1	2020	<1	140	6	61	78
L-11400N-90575E	13	84	20	<0.1	2680	<1	130	11	68	124
L-11400N-90600E	16	69	20	0.1	1980	<1	150	3	53	69
L-11400N-90625E	16	28	20	<0.1	2690	<1	200	5	42	118
L-11400N-90650E	26	71	20	<0.1	2490	<1	140	9	147	124
L-11400N-90675E	9	30	10	0.2	1190	<1	80	3	55	82
L-11400N-90700E	7	34	40	0.2	1770	<1	130	4	129	91
L-11400N-90725E	10	62	20	<0.1	2140	<1	160	11	88	125
L-11400N-90750E	11	70	30	<0.1	2020	<1	110	15	110	120
L-11400N-90775E	15	53	20	<0.1	1600	<1	170	7	59	88
L-11400N-90800E	7	121	<10	<0.1	1460	<1	150	27	397	207
L-11400N-90825E	6	12	<10	<0.1	610	<1	340	14	9	50
L-11400N-90850E	3	82	<10	<0.1	880	<1	200	39	158	183
L-06700N-91600E	27 <sup>°</sup>	14	<10	0.3	1350	<1	290	16	25	64
L-06700N-91625E	8	22	<10	0.2	1110	<1	290	17	35	84
L-06700N-91650E	24	95	<10	0.2	2280	<1	300	14	102	54
L-06700N-91675E	11	86	<10	<0.1	1640	<1	350	526	90	9
L-06700N-91700E	49	7	<10	1.6	1640	<1	500	7	14	66
L-06700N-91725E	26	68	<10	0.3	1340	<1	340	4	43	43
L-06700N-91750E	35	44	<10	0.2	1060	<1	520	32	12	21
L-06700N-91775E	9	85	<10	0.1	1370	<1	420	107	39	28
L-06700N-91800E	15	50	<10	0.1	2030	<1	660	17	6	9
L-06700N-91825E	25	53	<10	<0.1	1000	<1	520	18	17	17
L-06700N-91850E	54	39	<10	0.6	1780	<1	320	5	54	58
L-06700N-91875E	22	56	<10	0.3	1530	<1	330	48	19	48
L-06700N-91900E	25	92	<10	0.2	1520	<1	330	21	46	48
L-06700N-91925E	12	40	<10	0.4	1440	<1	410	18	25	32
L-06700N-91950E	17	53	<10	0.3	1040	<1	410			46
L-06700N-91975E	49	53	<10	0.2	1150	<1	440	54	31	26
L-06700N-92000E	48	115	<10	0.6	1640	<1	180	12	101	82
L06800N-91625E	12	136	<10	0.3	710	<1	210	30	117	89
L06800N-91650E	36	51	<10	0.6	900	<1	300	36	52	29
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Element Method Det.Lim.	Ag MMI-M5 1 PDP	Al MMI-M5 1 PPM	As MMI-M5 10 DDB	Au MMI-M5 0.1 PDB	Ba MMI-M5 10 BBB	Bi MMI-M5 1 DDB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 BDB	Ce MMI-M5 5 DDB	Co MMI-M5 5 BDB
	57	74	~10	0.7	1100		220	10	ם ו ו דר	10
L06800N-91075E	57	/4	<10	0.7	1120	۱ × ۱ ×	320	10	37	19
L06800N-91700E	52 22	48	-10 -10	0.5	1130	ا	300	20	24	39
LU6800N-91725E	ZZ	01	<10	<0.1	1130	<1	280	19	00	94
LU68UUN-9175UE	13	64	<10	0.2	810	<1	290	13	24	44
L06800N-91775E	31	34	<10	0.2	820	<1	460	156	7	30
L06800N-91800E	37	61	<10	0.3	940	<1	390	29	48	44
L06800N-91825E	34	40	<10	0.2	800	<1	400	17	19	36
L06800N-91850E	10	33	<10	0.2	730	<1	470	179	<5	20
L06800N-91875E	25	27	<10	0.2	690	<1	510	81	<5	31
L06800N-91900E	34	105	<10	0.3	390	<1	250	10	76	129
L06800N-91925E	18	24	<10	0.2	710	<1	470	64	<5	59
L06800N-91950E	13	9	<10	<0.1	660	<1	430	48	8	53
L06800N-91975E	20	93	<10	0.2	900	<1	260	68	51	145
L06800N-92000E	28	13	<10	<0.1	780	<1	500	47	<5	23
*Dup L-11400N-90150E	19	31	20	0.4	1030	<1	120	5	123	45
*Dup L-11400N-90450E	13	79	40	0.1	2200	<1	80	5	70	166
*Dup L-11400N-90750E	10	73	30	<0.1	2070	<1	110	13	110	129
*Dup L-06700N-91775E	9	81	<10	0.3	1490	<1	400	93	45	24
*Dup L06800N-91675E	56	70	<10	0.6	1160	<1	320	9	36	18
*Dup L06800N-91975E	16	81	10	0.2	980	<1	240	51	55	122
*Std MMISRM14	18	45	10	39.7	190	<1	270	10	16	48
*Std MMISRM14	19	45	10	39.9	110	<1	260	7	19	47
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Det.Lim. Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-11400N-90150E	<100	350	14	6.3	4.3	22	18	49	<5	33
L-11400N-90175E	100	200	9	4.9	2.0	58	11	35	<5	47
L-11400N-90200E	<100	90	6	3.3	0.8	18	6	13	<5	42
L-11400N-90225E	<100	140	9	4.4	2.2	71	11	37	<5	37
L-11400N-90250E	200	180	6	2.9	1.4	85	7	30	<5	48
L-11400N-90275E	<100	180	7	3.3	1.6	26	8	24	<5	62
L-11400N-90300E	<100	320	9	4.1	2.0	20	10	24	31	56
L-11400N-90325E	<100	240	13	6.0	3.6	12	17	46	<5	42
L-11400N-90350E	100	160	10	5.0	2.6	39	12	39	<5	22
L-11400N-90375E	200	170	9	4.2	1.9	57	9	29	<5	35
L-11400N-90400E	<100	170	6	2.8	1.4	37	7	24	<5	61
L-11400N-90425E	<100	90	4	2.2	0.8	43	5	15	<5	61
L-11400N-90450E	200	190	6	2.9	1.5	69	7	29	<5	40
L-11400N-90475E	200	160	8	3.7	1.6	76	8	23	<5	54
L-11400N-90500E	200	140	8	3.9	2.0	60	9	30	<5	38
L-11400N-90525E	<100	240	6	3.6	0.9	8	6	6	<5	74
L-11400N-90550E	100	130	8	4.5	2.0	58	10	32	<5	40
L-11400N-90575E	200	120	7	3.5	1.5	81	8	29	<5	40
L-11400N-90600E	<100	110	5	2.5	1.3	47	6	22	<5	31
L-11400N-90625E	<100	150	4	2.2	0.9	36	5	19	<5	48
L-11400N-90650E	100	160	13	7.0	2.4	54	16	59	<5	60
L-11400N-90675E	<100	100	6	2.9	1.1	19	6	17	<5	42
L-11400N-90700E	100	80	5	2.9	1.0	36	6	19	<5	39
L-11400N-90725E	200	160	10	5.1	1.5	74	11	41	<5	59
L-11400N-90750E	100	130	10	5.0	1.7	77	11	50	5	50
L-11400N-90775E	100	150	8	4.1	1.2	50	8	25	<5	74
L-11400N-90800E	<100	480	78	45.2	8.1	82	71	107	5	40
L-11400N-90825E	<100	490	10	7.7	0.9	3	8	5	10	47
L-11400N-90850E	<100	170	22	13.4	2.7	67	23	59	19	39
L-06700N-91600E	<100	630	8	4.1	2.2	16	11	12	<5	53
L-06700N-91625E	<100	1960	5	2.3	1.5	28	7	9	<5	42
L-06700N-91650E	<100	290	27	15.2	6.7	18	30	43	<5	20
L-06700N-91675E	<100	240	18	10.9	3.8	19	19	19	<5	17
L-06700N-91700E	<100	1370	10	5.4	3.0	5	15	13	<5	51
L-06700N-91725E	<100	270	26	14.4	6.1	18	29	32	<5	31
L-06700N-91750E	<100	620	15	8.4	3.1	7	17	20	<5	48
L-06700N-91775E	<100	120	14	8.4	2.7	19	12	12	<5	27
L-06700N-91800E	<100	410	3	3.1	<0.5	5	3	2	<5	16
L-06700N-91825E	<100	780	11	6.6	3.2	7	13	9	24	32
L-06700N-91850E	<100	380	15	8.1	4.5	18	20	29	<5	22
L-06700N-91875E	<100	260	6	3.4	1.7	27	7	10	<5	39
L-06700N-91900E	<100	150	9	4.9	2.1	26	10	14	<5	10
L-06700N-91925E	<100	130	8	4.5	2.3	11	9	9	<5	45
L-06700N-91950E	<100	280	10	5.8	2.7	33	11	12	<5	33
L-06700N-91975E	<100	520	13	7.3	3.5	14	15	16	<5	42
L-06700N-92000E	100	320	54	37.3	6.8	15	39	39	<5	26
L06800N-91625E	<100	280	33	18.0	7.5	42	33	49	<5	34
L06800N-91650E	<100	340	16	9.1	4.2	24	19	24	<5	30

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Element Method Det.Lim.	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L06800N-91675E	<100	460	24	13.2	5.7	15	25	27	<5	29
L06800N-91700E	<100	570	14	8.4	3.8	15	17	22	<5	22
L06800N-91725E	<100	170	11	6.1	2.8	54	12	23	<5	38
L06800N-91750E	<100	190	8	4.1	2.0	23	9	13	<5	26
L06800N-91775E	<100	300	5	4.9	0.9	7	5	3	<5	18
L06800N-91800E	<100	380	20	11.3	5.7	19	25	25	<5	38
L06800N-91825E	<100	300	12	7.6	2.7	10	13	12	<5	31
L06800N-91850E	<100	140	4	3.5	0.6	4	3	3	<5	23
L06800N-91875E	<100	280	4	3.5	0.5	4	3	2	<5	23
L06800N-91900E	<100	70	18	9.9	3.8	30	16	19	<5	57
L06800N-91925E	<100	250	2	1.8	<0.5	5	2	2	<5	32
L06800N-91950E	<100	310	1	0.7	<0.5	5	2	2	<5	41
L06800N-91975E	200	140	8	4.1	1.9	61	9	14	<5	49
L06800N-92000E	<100	480	3	1.7	0.8	8	4	3	<5	49
*Dup L-11400N-90150E	<100	300	11	5.2	3.4	20	15	37	<5	32
*Dup L-11400N-90450E	200	170	6	2.9	1.4	66	7	30	<5	41
*Dup L-11400N-90750E	200	140	10	5.4	1.6	83	11	49	<5	50
*Dup L-06700N-91775E	<100	100	13	8.1	2.6	19	13	12	<5	28
*Dup L06800N-91675E	<100	440	22	12.4	5.7	16	24	26	<5	29
*Dup L06800N-91975E	200	130	7	3.8	1.8	58	8	16	<5	44
*Std MMISRM14	<100	720	2	0.9	0.9	3	4	5	<5	32
*Std MMISRM14	<100	700	2	0.9	1.0	3	4	4	<5	32
*BIk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5 5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5 1	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5 1
Det.Lim. Unite	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
1-11400N-90150F	9	<0.5	65	410	50	<1	15	<1	66	<1
1-11400N-90175E	8	23	40	632	80	<1	10	<1	63	<1
L-11400N-90200E	<5	<0.5	15	947	60	<1	4	<1	79	<1
L-11400N-90225E	7	4.6	41	635	80	<1	10	<1	133	<1
L-11400N-90250E	9	5.7	27	599	120	<1	7	<1	63	<1
L-11400N-90275E	<5	0.7	29	533	50	<1	7	<1	93	<1
L-11400N-90300E	<5	<0.5	34	542	20	<1	8	<1	43	<1
L-11400N-90325E	5	<0.5	61	427	20	<1	- 14	<1	40	<1
L-11400N-90350E	7	1.2	48	410	70	<1	12	<1	98	<1
L-11400N-90375E	7	2.2	33	562	80	<1	8	<1	86	<1
L-11400N-90400E	5	1.6	26	721	80	<1	6	<1	99	<1
L-11400N-90425E	7	2.5		392	60	<1	- 4	<1	83	<1
L-11400N-90450E	7	2.6	29	752	90	<1	7	<1	78	<1
L-11400N-90475E	8	4.0	28	735	90	<1	7	<1	155	<1
L-11400N-90500E	9	2.2	35	281	80	<1	9	<1	98	<1
L-11400N-90525E	5	<0.5	8	1930	60	<1	2	<1	81	<1
L-11400N-90550E	7	2.5	36	485	80	<1	9	<1	140	<1
L-11400N-90575E	11	5.6	32	643	90	<1	8	<1	84	<1
L-11400N-90600E	8	3.2	25	348	60	<1	6	<1	109	<1
L-11400N-90625E	<5	1.6	20	566	50	<1	5	<1	100	<1
L-11400N-90650E	5	6.1	63	1260	110	<1	16	<1	134	<1
L-11400N-90675E	5	2.9	23	384	50	<1	5	<1	123	<1
L-11400N-90700E	5	6.8	23	418	50	<1	6	<1	115	<1
L-11400N-90725E	8	9.9	41	1110	90	<1	11	<1	87	<1
L-11400N-90750E	7	11.1	49	911	110	<1	13	<1	73	<1
L-11400N-90775E	11	6.5	30	610	70	<1	7	<1	96	<1
L-11400N-90800E	10	3.8	177	2550	130	<1	40	<1	82	<1
L-11400N-90825E	9	<0.5	9	5060	10	<1	2	<1	72	<1
L-11400N-90850E	10	7.3	76	1040	160	<1	19	<1	97	<1
L-06700N-91600E	13	<0.5	27	1360	<10	<1	5	<1	55	<1
L-06700N-91625E	16	<0.5	19	1240	70	<1	4	<1	47	1
L-06700N-91650E	<5	<0.5	82	658	70	<1	17	<1	86	<1
L-06700N-91675E	5	<0.5	44	3710	30	<1	8	<1	199	<1
L-06700N-91700E	5	<0.5	33	2000	<10	<1	6	<1	8	<1
L-06700N-91725E	5	<0.5	66	789	40	<1	13	<1	57	<1
L-06700N-91750E	6	<0.5	37	1400	20	<1	7	<1	74	<1
L-06700N-91775E	5	<0.5	25	812	40	<1	5	<1	70	<1
L-06700N-91800E	<5	<0.5	5	685	<10	<1	<1	<1	41	<1
L-06700N-91825E	6	<0.5	23	1430	<10	<1	4	<1	73	<1
L-06700N-91850E	7	<0.5	51	229	40	<1	10	<1	54	<1
L-06700N-91875E	8	<0.5	19	767	30	<1	4	<1	63	<1
L-06700N-91900E	7	0.5	24	495	90	<1	5	<1	123	<1
L-06700N-91925E	10	<0.5	22	728	30	<1	4	<1	126	<1
L-06700N-91950E	6	<0.5	25	1480	30	<1	5	<1	70	<1
L-06700N-91975E	6	<0.5	36	1690	10	<1	7	<1	77	<1
L-06700N-92000E	<5	<0.5	62	1380	90	<1	13	<1	68	<1
L06800N-91625E	10	1.0	85	1310	100	<1	19	<1	101	<1
L06800N-91650E	6	<0.5	47	822	30	<1	10	<1	82	<1

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb
Method	MMI-M5									
Det.Lim.	5	0.5	1	5	10	1	1	1	5	1
Units	PPB									
L06800N-91675E	5	<0.5	58	668	40	<1	11	<1	63	<1
L06800N-91700E	7	<0.5	44	712	20	<1	9	<1	81	<1
L06800N-91725E	8	0.6	36	527	110	<1	8	<1	109	<1
L06800N-91750E	8	<0.5	23	605	60	<1	5	<1	64	<1
L06800N-91775E	5	<0.5	7	1860	<10	<1	1	<1	58	<1
L06800N-91800E	6	<0.5	59	1370	30	<1	11	<1	37	<1
L06800N-91825E	5	<0.5	25	1150	10	<1	5	<1	33	<1
L06800N-91850E	6	<0.5	5	1290	<10	<1	1	<1	99	<1
L06800N-91875E	7	<0.5	4	1900	50	<1	<1	<1	96	<1
L06800N-91900E	5	<0.5	36	975	390	<1	7	<1	200	<1
L06800N-91925E	8	<0.5	4	1030	40	<1	<1	<1	111	<1
L06800N-91950E	16	<0.5	4	784	<10	<1	<1	<1	108	<1
L06800N-91975E	8	1.0	25	670	90	<1	5	<1	85	<1
L06800N-92000E	10	<0.5	8	2300	<10	<1	1	<1	43	<1
*Dup L-11400N-90150E	7	<0.5	53	420	40	<1	12	<1	65	<1
*Dup L-11400N-90450E	7	2.6	30	716	80	<1	7	<1	74	<1
*Dup L-11400N-90750E	8	11.7	47	871	120	<1	12	<1	81	<1
*Dup L-06700N-91775E	5	<0.5	25	779	40	<1	5	<1	68	<1
*Dup L06800N-91675E	6	<0.5	57	634	40	<1	11	<1	60	<1
*Dup L06800N-91975E	8	1.2	26	565	80	<1	6	<1	89	<1
*Std MMISRM14	37	<0.5	14	293	130	46	3	<1	265	<1
*Std MMISRM14	37	<0.5	14	291	140	47	2	<1	262	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method Det.Lim.	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	TI MMI-M5 0.5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-11400N-90150E	23	16	<1	290	<1	3	<10	13.8	183	0.5
L-11400N-90175E	19	9	<1	410	<1	2	<10	12.1	846	<0.5
L-11400N-90200E	6	4	<1	590	<1	<1	<10	5.4	163	<0.5
L-11400N-90225E	24	10	<1	340	<1	2	<10	12.7	921	<0.5
L-11400N-90250E	20	6	<1	290	<1	1	<10	11.3	1680	<0.5
L-11400N-90275E	10	7	<1	670	<1	1	<10	10.0	265	<0.5
L-11400N-90300E	16	8	1	1020	<1	2	<10	9.2	57	<0.5
L-11400N-90325E	23	14	<1	770	<1	3	<10	12.5	41	<0.5
L-11400N-90350E	27	11	<1	210	<1	2	<10	13.6	353	<0.5
L-11400N-90375E	21	8	<1	320	<1	2	<10	11.4	705	<0.5
L-11400N-90400E	13	6	<1	400	<1	1	<10	6.7	424	<0.5
L-11400N-90425E	11	4	<1	540	<1	<1	<10	5.9	618	<0.5
L-11400N-90450E	18	6	<1	260	<1	1	<10	10.2	770	<0.5
L-11400N-90475E	30	7	<1	420	<1	1	<10	14.1	933	<0.5
L-11400N-90500E	26	8	<1	320	<1	1	<10	14.6	443	0.5
L-11400N-90525E	11	3	<1	530	<1	<1	<10	3.4	56	<0.5
L-11400N-90550E	17	8	<1	360	<1	2	<10	8.9	644	<0.5
L-11400N-90575E	27	7	<1	350	<1	1	<10	12.2	1420	<0.5
L-11400N-90600E	15	6	<1	420	<1	<1	<10	8.2	762	<0.5
L-11400N-90625E	9	4	<1	490	<1	<1	<10	6.4	368	<0.5
L-11400N-90650E	17	14	<1	450	<1	3	<10	25.5	586	<0.5
L-11400N-90675E	11	6	<1	310	<1	1	<10	19.5	244	<0.5
L-11400N-90700E	10	6	<1	390	<1	1	<10	31.9	228	<0.5
L-11400N-90725E	21	10	<1	440	<1	2	<10	29.8	1390	<0.5
L-11400N-90750E	21	11	<1	380	<1	2	<10	39.3	1240	<0.5
L-11400N-90775E	16	7	<1	370	<1	1	<10	17.6	976	<0.5
L-11400N-90800E	50	54	<1	310	<1	13	<10	57.3	696	<0.5
L-11400N-90825E	<5	4	<1	530	<1	2	<10	1.2	8	<0.5
L-11400N-90850E	20	19	<1	330	<1	4	<10	40.1	1270	<0.5
L-06700N-91600E	5	8	<1	620	<1	2	<10	3.9	29	<0.5
L-06700N-91625E	6	5	<1	560	<1	<1	<10	3.4	104	<0.5
L-06700N-91650E	18	23	<1	560	<1	5	<10	5.6	68	0.6
L-06700N-91675E	21	14	<1	530	<1	3	<10	4.5	31	<0.5
L-06700N-91700E	<5	10	<1	610	<1	2	<10	2.5	<3	<0.5
L-06700N-91725E	15	21	<1	400	<1	5	<10	6.3	58	<0.5
L-06700N-91750E	<5	12	<1	570	<1	2	<10	2.8	30	<0.5
L-06700N-91775E	9	8	<1	680	<1	2	<10	1.4	76	<0.5
L-06700N-91800E	<5	2	<1	1680	<1	<1	<10	<0.5	<3	<0.5
L-06700N-91825E	6	9	<1	1310	<1	2	<10	2.3	22	<0.5
L-06700N-91850E	13	15	<1	770	<1	3	<10	8.0	108	<0.5
L-06700N-91875E	9	6	<1	780	<1	1	<10	5.6	114	<0.5
L-06700N-91900E	14	7	<1	670	<1	2	<10	4.6	225	<0.5
L-06700N-91925E	<5	7	<1	880	<1	2	<10	1.6	28	<0.5
L-06700N-91950E	9	8	<1	700	<1	2	<10	2.1	33	<0.5
L-06700N-91975E	6	11	<1	780	<1	2	<10	2.4	20	<0.5
L-06700N-92000E	43	20	<1	520	<1	8	<10	7.6	232	<0.5
L06800N-91625E	28	25	<1	200	<1	6	<10	11.8	168	<0.5
L06800N-91650E	11	14	<1	540	<1	3	<10	8.5	66	<0.5

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Element Method Det.Lim. Units	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	TI MMI-M5 0.5 PPB
L06800N-91675E	11	18	<1	610	<1	4	<10	5.9	43	<0.5
L06800N-91700E	10	13	<1	520	<1	3	<10	5.2	39	<0.5
L06800N-91725E	13	10	<1	530	<1	2	<10	6.3	179	<0.5
L06800N-91750E	6	7	<1	540	<1	1	<10	4.1	63	<0.5
L06800N-91775E	<5	3	<1	1030	<1	<1	<10	0.8	<3	<0.5
L06800N-91800E	9	18	<1	780	<1	4	<10	3.5	38	<0.5
L06800N-91825E	<5	8	<1	790	<1	2	<10	1.3	14	<0.5
L06800N-91850E	<5	2	<1	1050	<1	<1	<10	0.5	7	<0.5
L06800N-91875E	<5	2	<1	1070	<1	<1	<10	0.6	<3	<0.5
L06800N-91900E	18	11	<1	390	<1	3	<10	8.7	81	<0.5
L06800N-91925E	<5	1	<1	900	<1	<1	<10	1.0	10	<0.5
L06800N-91950E	<5	1	<1	770	<1	<1	<10	1.6	13	<0.5
L06800N-91975E	20	7	<1	640	<1	1	<10	6.8	420	<0.5
L06800N-92000E	<5	3	<1	950	<1	<1	<10	1.2	21	<0.5
*Dup L-11400N-90150E	19	13	<1	290	<1	2	<10	9.0	163	<0.5
*Dup L-11400N-90450E	17	6	<1	260	<1	1	<10	10.2	782	<0.5
*Dup L-11400N-90750E	24	10	<1	380	<1	2	<10	42.9	1310	<0.5
*Dup L-06700N-91775E	8	9	<1	650	<1	2	<10	1.6	86	<0.5
*Dup L06800N-91675E	9	17	<1	590	<1	4	<10	4.7	46	<0.5
*Dup L06800N-91975E	17	7	<1	590	<1	1	<10	7.2	470	<0.5
*Std MMISRM14	8	4	<1	490	<1	<1	<10	20.1	<3	<0.5
*Std MMISRM14	7	4	<1	470	<1	<1	<10	20.7	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim.	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
1_11400NL-90150E	16	<1	64	5	50	22
L-11400N-90175E	10 Q	<1	51	ں لا	70	22
L-11400N-90200F	4	<1	36	ح ح	70	5
L_11400N_90225E	6	<1	200 //Q	4	160	25
L-11400N-90250F	4	<1	-0	- 2	160	43
L-11400N-90275F	7	<1	37	- 3	40	16
L-11400N-90300F	6	<1	40	3	100	13
L-11400N-90325F	9	<1	62	5	20	15
L-11400N-90350E	8	1	45	4	100	31
L-11400N-90375E	- 7	1	42	3	40	31
L-11400N-90400F	4	<1	30	2	50	17
L-11400N-90425E	4	<1	20	- 2	80	20
L-11400N-90450E	4	1	31	2	50	29
L-11400N-90475E	7	<1	37	- 3	410	 37
L-11400N-90500E	9	1	39	- 3	20	36
L-11400N-90525E	3	<1	26	3	50	<5
L-11400N-90550E	5	<1	48	3	90	24
L-11400N-90575E	5	1	34	- 3	220	32
L-11400N-90600E	5	<1	26	2	70	26
L-11400N-90625E	4	<1	25	2	70	14
L-11400N-90650E	12	<1	72	6	70	24
L-11400N-90675E	10	<1	26	3	30	- 14
L-11400N-90700E	9	<1	26	3	30	21
L-11400N-90725E	11	1	50	4	80	26
L-11400N-90750E	11	1	53	4	100	34
L-11400N-90775E	8	<1	39	4	90	23
L-11400N-90800E	66	1	453	38	60	22
L-11400N-90825E	14	<1	55	7	90	<5
L-11400N-90850E	27	<1	131	13	70	26
L-06700N-91600E	21	<1	47	3	100	10
L-06700N-91625E	28	<1	21	2	270	8
L-06700N-91650E	14	<1	173	11	60	12
L-06700N-91675E	13	<1	116	9	9900	11
L-06700N-91700E	6	<1	68	4	30	<5
L-06700N-91725E	29	<1	160	11	50	17
L-06700N-91750E	15	<1	118	7	240	6
L-06700N-91775E	6	<1	92	7	40	6
L-06700N-91800E	5	<1	19	3	60	<5
L-06700N-91825E	17	<1	72	6	70	<5
L-06700N-91850E	12	<1	86	6	70	14
L-06700N-91875E	8	<1	34	3	570	13
L-06700N-91900E	6	<1	51	4	50	14
L-06700N-91925E	14	<1	41	4	100	<5
L-06700N-91950E	43	<1	59	5	610	7
L-06700N-91975E	40	<1	76	6	270	7
L-06700N-92000E	14	<1	267	31	70	23
L06800N-91625E	17	<1	205	14	120	19
L06800N-91650E	16	<1	100	7	80	17

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim.	1 PPR	1 PPR	5 PPR	1 PPR	20 PPB	5 PPB
		-1	140	11	70	12
L00000N-91075E	20	۱< اح	140	11 7	160	10
L00000N-91700E	21	۱ ~ اح	37 60	1 E	100	10
L00800N-91723E	0	I < ۲۰	03	J 4	100	CI 64
L00800N-91750E	11	>	40	4 5	180	 حد
L06800N-91775E	20	[> 	34	5	990	<5
LU6800N-91800E	54	<1	133	9	260	10
L06800N-91825E	34	<1	75	7	310	<5
L06800N-91850E	24	<1	23	4	3450	<5
L06800N-91875E	44	<1	20	3	570	<5
L06800N-91900E	11	<1	94	8	130	14
L06800N-91925E	37	<1	12	2	1180	<5
L06800N-91950E	24	<1	8	<1	1240	<5
L06800N-91975E	8	<1	39	3	500	21
L06800N-92000E	62	<1	18	1	610	<5
*Dup L-11400N-90150E	12	<1	53	4	50	21
*Dup L-11400N-90450E	4	1	30	2	50	29
*Dup L-11400N-90750E	12	1	53	5	100	37
*Dup L-06700N-91775E	6	<1	81	6	40	6
*Dup L06800N-91675E	24	<1	128	10	60	12
*Dup L06800N-91975E	7	<1	35	3	400	23
*Std MMISRM14	35	<1	10	<1	350	11
*Std MMISRM14	37	<1	10	<1	340	11
*BIK BLANK	<1	<1	<5	<1	<20	<5
*BIK BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 095330

Date: Oct 18, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	61
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 61 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = I = 1	Insufficient Sample No result
	*INF = Composition of this sample makes detection in	npossible by this met	thod
	Methods marked with an asterisk (e.g. *NAA08V) were su	ibcontracted	5011
	Subject to SGS Ger	eral Terms and Cond	ditions

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Element Method Det.Lim.	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11500N-90125E	9	88	20	<0.1	1620	<1	180	10	97	93
L-11500N-90150E	17	62	10	<0.1	2870	<1	210	9	76	53
L-11500N-90175E	17	117	10	<0.1	2600	<1	140	16	118	77
L-11500N-90200E	13	104	30	<0.1	3370	<1	120	23	124	98
L-11500N-90225E	10	115	30	<0.1	2780	<1	130	23	94	82
L-11500N-90250E	11	90	30	<0.1	2020	<1	70	8	87	82
L-11500N-90275E	13	59	20	<0.1	6520	<1	160	6	72	50
L-11500N-90300E	36	64	10	<0.1	3250	<1	190	9	52	48
L-11500N-90325E	26	77	30	0.1	3010	<1	150	7	113	80
L-11500N-90350E	10	91	40	0.1	1750	<1	80	9	123	126
L-11500N-90375E	12	107	50	0.1	1890	<1	100	11	140	138
L-11500N-90400E	29	82	60	<0.1	2900	<1	100	5	88	173
L-11500N-90425E	13	60	40	0.1	2090	<1	80	4	82	96
L-11500N-90450E	12	72	40	<0.1	2330	<1	170	7	49	72
L-11500N-90475E	8	42	20	0.2	3110	<1	140	3	144	74
L-11500N-90500E	15	31	30	0.2	3540	<1	160	4	76	67
L-11500N-90525E	28	45	<10	<0.1	3200	<1	240	8	77	43
L-11500N-90550E	14	33	10	<0.1	2380	<1	280	13	51	30
L-11500N-90575E	22	42	40	1.5	2300	<1	160	5	84	150
L-11500N-90600E	23	56	30	0.1	1690	<1	180	9	150	110
L-11500N-90625E	9	29	20	0.2	1440	<1	200	4	42	58
L-11500N-90650E	21	14	<10	0.3	3840	<1	200	4	51	86
L-11500N-90675E	16	73	10	0.2	3350	<1	190	8	81	138
L-11500N-90700E	18	94	20	0.1	3510	<1	120	14	76	416
L-11500N-90725E	11	40	20	0.3	1230	<1	270	13	136	52
L-11500N-90750E	8	23	20	0.3	1110	<1	270	8	57	95
L-11500N-90775E	1	6	<10	<0.1	780	<1	370	47	<5	40
L-11500N-90800E	5	18	20	0.1	880	<1	350	9	24	75
L-11500N-90825E	18	3	<10	1.0	1330	<1	320	4	37	36
L-11500N-90850E	<pre></pre>	2	<10	0.5	1110	<1	420	10		91
L-10300N-90000E	15	19	<10	0.4	4270	<1	260	3	22	49
L-10300N-90025E	24	101	20	<0.1	2730	<1	210	15	56	74
L-10300N-90050E	23	58	<10	<0.1	1110	<1	260	35	83	57
L-10300N-90075E	13	22	<10	0.3	1720	<1	850	43	<5	64
L-10300N-90100E	15	7	10	0.8	1560	<1	260	6	84	147
L-10300N-90125E	26	5	<10	1.5	1820	<1	360	9	23	60
L-10300N-90150E	16	27	<10	0.5	1240	<1	200	6	49	27
L-10300N-90175E	6	76	20	0.1	3090	<1	150	3	56	113
L-10300N-90200E	25	31	<10	<0.1	2040	<1	230	4	13	22
L-10300N-90225E	13	27	20	0.2	3610	<1	220	3	15	45
L-10300N-90250E	20	32	<10	0.2	2670	<1	190	7	38	64
L-10300N-90400E	20	65	30	0.2	3540	<1	200	8	178	109
L-10300N-90425E	18	5	10	0.6	2690	<1	290	6	10	65
L-10300N-90475E	31	7	10	1.2	2410	<1	360	17	12	40
L-10200N-90000E	6	52	10	0.7	2350	<1	190	1	68	100
L-10200N-90025E	9	84	20	0.3	2460	<1	220	3	55	81
L-10200N-90050E	30	62	20	0.3	1960	<1	230	18	56	76
L-10200N-90075E	20	18	<10	0.2	2390	<1	330	5	24	32

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L-10200N-90100E	17	92	30	0.4	2890	<1	150	7	74	87
L-10200N-90125E	22	100	40	0.1	2500	<1	110	4	110	72
L-10200N-90150E	12	88	30	0.3	4190	<1	150	2	121	52
L-10200N-90175E	21	12	<10	0.5	5810	<1	270	2	21	55
L-10200N-90200E	13	48	<10	<0.1	2470	<1	290	60	23	46
L-10200N-90225E	21	138	40	0.2	3520	<1	90	7	109	100
L-10200N-90250E	20	149	50	0.2	2930	<1	90	21	86	245
L-10200N-90275E	11	140	40	<0.1	1900	<1	80	5	111	110
L-10200N-90300E	26	7	20	0.2	3710	<1	280	26	9	64
L-10200N-90400E	23	13	10	0.4	2210	<1	450	22	16	31
L-10200N-90425E	39	37	20	0.2	2700	<1	270	38	44	49
L-10200N-90450E	25	4	20	2.8	2460	<1	290	20	15	44
L-10200N-90500E	38	8	10	0.6	2500	<1	470	12	10	33
*Dup L-11500N-90125E	10	91	20	0.2	1520	<1	210	9	84	89
*Dup L-11500N-90425E	13	67	40	<0.1	1880	<1	90	5	79	104
*Dup L-11500N-90725E	12	44	30	0.3	1160	<1	290	15	132	57
*Dup L-10300N-90150E	11	26	20	0.3	980	<1	300	8	25	47
*Dup L-10200N-90100E	13	90	30	0.3	2300	<1	240	5	52	89
*Dup L-10200N-90500E	38	9	10	0.4	2350	<1	480	12	12	21
*Std MMISRM14	16	35	10	39.0	260	<1	240	7	19	39
*Std MMISRM14	17	36	20	39.4	200	<1	250	7	19	41
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5	Mg MMI-M5 1
Det.Lim. Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-11500N-90125E	200	260	11	5.2	2.7	61	13	46	<5	65
L-11500N-90150E	100	210	8	4.0	2.0	52	10	32	<5	50
L-11500N-90175E	200	380	18	9.2	4.3	72	21	66	6	48
L-11500N-90200E	200	240	12	6.2	3.1	98	15	57	5	43
L-11500N-90225E	200	300	11	5.6	2.4	106	13	42	10	30
L-11500N-90250E	200	210	11	5.4	2.7	59	13	41	<5	16
L-11500N-90275E	100	210	9	4.9	2.0	58	11	35	<5	56
L-11500N-90300E	<100	230	8	3.9	1.8	58	9	29	<5	55
L-11500N-90325E	200	230	11	5.3	2.2	70	12	37	<5	31
L-11500N-90350E	200	180	10	4.6	2.4	58	11	37	<5	20
L-11500N-90375E	200	250	11	5.4	2.7	71	13	42	<5	23
L-11500N-90400E	200	200	8	4.0	2.0	75	10	39	<5	39
L-11500N-90425E	200	180	7	3.6	1.7	50	9	26	<5	28
L-11500N-90450E	100	140	6	2.9	1.3	59	7	23	<5	34
L-11500N-90475E	100	220	29	13.6	6.6	35	35	79	<5	74
L-11500N-90500E	<100	180	7	3.6	1.6	34	8	25	<5	68
L-11500N-90525E	<100	160	12	6.2	4.2	38	15	40	<5	63
L-11500N-90550E	<100	240	9	4.2	2.2	26	11	22	<5	63
L-11500N-90575E	100	250	10	5.2	2.2	53	11	29	<5	80
L-11500N-90600E	100	210	18	9.2	3.8	55	23	63	<5	71
L-11500N-90625E	<100	180	11	5.9	1.8	32	12	28	<5	87
L-11500N-90650E	<100	210	12	6.7	1.8	12	11	22	<5	70
L-11500N-90675E	<100	140	10	5.5	1.9	51	11	37	<5	77
L-11500N-90700E	200	360	8	4.4	1.4	117	8	34	<5	106
L-11500N-90725E	<100	2290	43	24.3	7.6	40	49	88	11	72
L-11500N-90750E	<100	520	15	8.8	2.7	26	18	32	11	101
L-11500N-90775E	<100	1030	7	8.5	0.5	2	4	3	12	44
L-11500N-90800E	<100	250	3	1.5	0.7	37	4	10	<5	42
L-11500N-90825E	<100	990	12	5.9	2.6	9	15	15	12	105
L-11500N-90850E	<100	2880	1	1.4	<0.5	6	1	1	5	68
L-10300N-90000E	<100	180	4	2.4	0.5	11	4	11	<5	85
L-10300N-90025E	<100	200	9	4.5	2.0	61	11	23	<5	71
L-10300N-90050E	<100	740	22	13.4	4.2	28	22	33	<5	89
L-10300N-90075E	<100	1460	4	4.2	<0.5	11	3	2	<5	77
L-10300N-90100E	<100	1040	15	8.0	4.7	20	21	44	<5	110
L-10300N-90125E	<100	1330	12	6.1	3.7	7	17	17	<5	189
L-10300N-90150E	<100	330	11	5.9	2.3	12	12	18	<5	108
L-10300N-90175E	100	130	8	4.2	1.7	43	9	23	<5	74
L-10300N-90200E	<100	110	3	1.4	0.5	22	3	6	<5	86
L-10300N-90225E	<100	120	2	1.1	<0.5	29	3	7	<5	67
L-10300N-90250E	<100	180	10	6.3	1.7	14	10	16	<5	44
L-10300N-90400E	100	270	15	6.8	5.9	55	22	90	<5	75
L-10300N-90425E	<100	580	3	1.6	0.8	4	4	5	<5	52
L-10300N-90475E	<100	780	6	3.6	1.6	6	9	8	<5	49
L-10200N-90000E	<100	400	16	9.4	2.7	26	15	23	<5	50
L-10200N-90025E	200	220	9	4.4	2.1	56	9	20	<5	74
L-10200N-90050E	200	300	8	4.0	2.0	35	9	20	<5	90
L-10200N-90075E	100	160	6	3.6	1.1	15	6	12	<5	83

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L-10200N-90100E	200	250	13	6.7	3.1	63	14	31	<5	80
L-10200N-90125E	300	240	12	5.4	3.0	83	14	45	<5	54
L-10200N-90150E	200	280	16	7.5	4.0	57	18	57	<5	62
L-10200N-90175E	100	280	6	4.4	0.6	7	4	8	<5	79
L-10200N-90200E	<100	180	5	3.5	0.8	23	5	9	<5	63
L-10200N-90225E	300	230	10	5.1	2.5	72	11	53	<5	37
L-10200N-90250E	400	220	7	3.6	1.7	93	8	27	<5	36
L-10200N-90275E	300	180	12	5.3	2.9	72	13	42	<5	18
L-10200N-90300E	<100	3390	8	5.1	1.0	4	7	2	<5	116
L-10200N-90400E	<100	540	5	2.6	1.1	9	6	7	<5	93
L-10200N-90425E	100	260	6	3.1	1.3	37	7	14	<5	48
L-10200N-90450E	<100	1530	4	1.9	1.0	5	5	6	<5	29
L-10200N-90500E	<100	580	4	2.3	1.0	5	6	5	<5	59
*Dup L-11500N-90125E	200	280	11	5.4	2.8	62	13	37	<5	66
*Dup L-11500N-90425E	200	210	7	3.8	1.7	54	8	25	<5	31
*Dup L-11500N-90725E	100	2340	43	25.0	7.7	43	49	85	10	76
*Dup L-10300N-90150E	100	300	4	1.9	0.7	18	4	10	<5	99
*Dup L-10200N-90100E	300	230	8	4.3	2.0	59	9	19	<5	72
*Dup L-10200N-90500E	<100	780	5	2.6	1.3	6	6	6	<5	66
*Std MMISRM14	<100	780	2	0.7	0.8	2	4	4	<5	34
*Std MMISRM14	<100	790	2	0.7	0.8	3	3	4	<5	34
*BIk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5
Det.Lim.	PPB									
01115 1_11500N_90125E	<5	28	50	1200	00 00		12	<1	01	
L-11500N-90120E	<5	2.5	37	633	60 60	י - 1	12 Q	<1	91	<1
L-11500N-90175E	<5	4.6	76	790	110	<1	18	<1	115	 <1
L-11500N-90173L	-5	 6 9	50	780	100	יי <1	15	יי <1	08	ا - 1>
L-11500N-90225E	8	6.8	45	657	100	 <1	11	<1	120	<1
1-11500N-90250E	<5	2.9	46	340	70	<1	11	<1	95	<1
L-11500N-90275E	<5	6.2		494	90 90	<1	q	<1	109	 <1
L_11500N_002F0L	<5	3.1	31	950	70	<1	7	<1	118	<1
L-11500N-90325F	-v <5	3.7	42	432	90 90	- י <1	10	י - <1	139	ر۔ 1>
L-11500N-90350E	7	3.1	43	340	70	<1	10	<1	117	<1
L-11500N-90375E	8	3.1	43 10	404	70 80	י - 1	10	<1	137	ا - 1 ح
L-11500N-90400F	7	3.5 4 5	40	442	80	، - 1>	12	<1	110	ור 1>
L_11500N_90425E	<5	1 0		472	60	<1	8	<1	136	<1
L_11500N_90450E	<5	2.8	26	509	60	<1	6	<1	98	<1
L-11500N-90475E	~5 <5	2.0	115	637	40	<1	25	<1	91 91	<1
L-11500N-90500F	<5	1 7	29	540	 60	<1	7	<1	85	<1
L_11500N_00525E	<5	ייי 2 ח	70 78	720	70	<1	11	<1	86	<1
L-11500N-90520E	<5	2.0 N 9	35	649	70 30	<1	7	<1	112	، ۔ 1>
L_11500N_90575E	5	2.0	38	1000	90	<1	8	<1	102	<1
L-11500N-90600F	<5	6.6	81	777	70	<1	19	<1	126	<1
L-11500N-90625E	-5- <5	0.0	۳۵ ۸۱	5/0	70 //	י - <1	13 Q	ر ج 1	120 Q/	ור 1>
L-11500N-90650E	 <5	0.5 <0.5	-10	1300		<1	5 6	י <1	38	י۔ 1>
L_11500N_90675E	<5	2.5	20	1000	110	<1	a a	<1	92	<1
L-11500N-90700F	<5	2.0	32	1250	00 00	<1	8	<1	12	 <1
L-11500N-90725F	<5	3.1	140	7010	40	<1	30	<1	110	<1
L-11500N-90750F	5	1.3	51	2670	40 40	<1	11	<1	80	<1
L-11500N-90775E	<5	-1.5 <0.5	6	5360	-0 <10	- י <1	1	<1	32	۱- 1>
L-11500N-90800F		-0.0	12	953	20	<1	3	<1	45	<1
1-11500N-90825E	17	 በ	34	3010	10	, <1	0 6	<1	33	<1
L-11500NL-90850F	18	<0.5	2.	7570	-10 <10	<1	<1	<1	1 <u>4</u>	4
1-10300N-90000F	<5	<0.5	11	787	40	<1	3	<1	66	<1
1-10300N-90025E	<5	24	35	873	70	<1	8	<1	194	<1
1-10300N-90050F	<5	<0.5	58	4170	40	<1	- 12	<1	61	<1
1-10300N-90075E	7	<0.5	4	22100	30	<1	<1	<1	16	
L-10300N-90100E	<5	<0.5	66	3380	20	<1	14	<1	15	 <1
L-10300N-90125E	<5	<0.5	37	4200		<1	6	<1	20	<1
L-10300N-90150E	<5	<0.5	32	1360	30	<1	7	<1	96	<1
L-10300N-90175E	5	2.6	31	563	60	<1	7	<1	73	<1
L-10300N-90200E	<5	1.1	9	990	20	<1	2	<1	173	<1
L-10300N-90225E	7	1.3	8	242	20	<1	2	<1	135	<1
L-10300N-90250E	<5	<0.5	22	942	60	<1	5	<1	78	<1
L-10300N-90400E	<5	1.8	98	1240	90	<1	23	<1	125	<1
L-10300N-90425E	9	<0.5	11	408	<10	<1	2	<1	13	<1
L-10300N-90475E	11	<0.5	19	760	<10	<1	3	<1	18	<1
L-10200N-90000E	<5	1.1	33	1020	40	<1	7	<1	210	<1
L-10200N-90025E	6	1.6	29	918	70	<1	6	<1	97	<1
L-10200N-90050E	6	3.1	30	826	40	<1	7	<1	239	<1
L-10200N-90075E	<5	1.0	17	645	10	<1	4	<1	66	<1

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Element Method Det Lim	Mo MMI-M5 5	Nb MMI-M5 0.5	Nd MMI-M5 1	Ni MMI-M5 5	Pb MMI-M5 10	Pd MMI-M5 1	Pr MMI-M5 1	Pt MMI-M5 1	Rb MMI-M5 5	Sb MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-10200N-90100E	7	3.0	45	959	60	<1	10	<1	144	1
L-10200N-90125E	10	3.7	51	388	130	<1	12	<1	159	1
L-10200N-90150E	9	2.4	65	520	90	<1	15	<1	109	1
L-10200N-90175E	<5	<0.5	10	1900	30	<1	2	<1	33	<1
L-10200N-90200E	5	0.7	12	1150	50	<1	3	<1	54	<1
L-10200N-90225E	12	4.5	50	406	140	<1	13	<1	115	1
L-10200N-90250E	7	2.7	27	710	110	<1	7	<1	107	<1
L-10200N-90275E	10	7.5	47	271	110	<1	11	<1	104	<1
L-10200N-90300E	44	<0.5	7	1410	150	<1	1	<1	25	2
L-10200N-90400E	<5	<0.5	14	868	20	<1	3	<1	52	<1
L-10200N-90425E	<5	0.8	22	606	40	<1	5	<1	136	<1
L-10200N-90450E	13	<0.5	12	611	2110	<1	2	<1	6	2
L-10200N-90500E	7	<0.5	12	626	<10	<1	2	<1	40	<1
*Dup L-11500N-90125E	<5	2.7	48	1260	100	<1	11	<1	106	<1
*Dup L-11500N-90425E	<5	1.8	31	434	60	<1	7	<1	146	<1
*Dup L-11500N-90725E	<5	3.2	138	7360	30	<1	29	<1	118	<1
*Dup L-10300N-90150E	8	1.1	13	1130	20	<1	3	<1	83	<1
*Dup L-10200N-90100E	7	1.6	28	980	70	<1	6	<1	99	<1
*Dup L-10200N-90500E	7	<0.5	15	568	10	<1	2	<1	39	<1
*Std MMISRM14	32	<0.5	15	251	110	41	3	<1	269	<1
*Std MMISRM14	33	<0.5	15	260	110	42	3	<1	281	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method Det.Lim.	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	TI MMI-M5 0.5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	РРВ
L-11500N-90125E	19	11	<1	360	<1	2	<10	9.4	688	<0.5
L-11500N-90150E	15	9	<1	440	<1	2	<10	7.5	402	<0.5
L-11500N-90175E	29	18	<1	320	<1	3	<10	13.4	1300	<0.5
L-11500N-90200E	27	13	<1	260	<1	2	<10	17.0	1820	<0.5
L-11500N-90225E	33	11	<1	280	<1	2	<10	16.4	1600	<0.5
L-11500N-90250E	35	11	<1	170	<1	2	<10	15.3	704	<0.5
L-11500N-90275E	15	9	<1	470	<1	2	<10	11.6	1510	<0.5
L-11500N-90300E	12	7	<1	510	<1	1	<10	7.3	644	<0.5
L-11500N-90325E	31	10	<1	310	<1	2	<10	17.9	526	<0.5
L-11500N-90350E	24	10	<1	190	<1	2	<10	14.7	776	<0.5
L-11500N-90375E	30	12	<1	220	<1	2	<10	17.3	1010	<0.5
L-11500N-90400E	18	9	<1	270	<1	2	<10	12.6	1050	<0.5
L-11500N-90425E	17	7	<1	280	<1	1	<10	11.1	553	<0.5
L-11500N-90450E	14	6	<1	490	<1	1	<10	6.9	606	<0.5
L-11500N-90475E	33	28	<1	710	<1	5	<10	10.9	707	<0.5
L-11500N-90500E	10	7	<1	680	<1	1	<10	9.6	487	<0.5
L-11500N-90525E	12	12	<1	700	<1	2	<10	6.1	404	<0.5
L-11500N-90550E	6	9	<1	740	<1	2	<10	4.7	154	<0.5
L-11500N-90575E	16	9	<1	510	<1	2	<10	10.3	670	<0.5
L-11500N-90600E	15	20	<1	510	<1	3	<10	16.6	656	<0.5
L-11500N-90625E	6	10	<1	410	<1	2	<10	7.6	178	<0.5
L-11500N-90650E	<5	7	<1	630	<1	2	<10	4.3	67	<0.5
L-11500N-90675E	10	9	<1	620	<1	2	<10	10.6	545	<0.5
L-11500N-90700E	21	7	<1	460	<1	1	<10	14.3	704	<0.5
L-11500N-90725E	37	39	<1	460	<1	8	<10	26.8	385	<0.5
L-11500N-90750E	10	14	<1	470	<1	3	<10	14.7	69	<0.5
L-11500N-90775E	<5	2	<1	690	<1	<1	<10	0.6	<3	<0.5
L-11500N-90800E	<5	3	<1	730	<1	<1	<10	6.4	245	<0.5
L-11500N-90825E	7	11	<1	640	<1	2	<10	5.7	47	<0.5
L-11500N-90850E	<5	<1	<1	900	<1	<1	<10	<0.5	<3	<0.5
L-10300N-90000E	<5	3	<1	850	<1	<1	<10	1.8	85	<0.5
L-10300N-90025E	16	9	<1	520	<1	2	<10	5.9	596	<0.5
L-10300N-90050E	21	16	<1	660	<1	3	<10	4.5	61	<0.5
L-10300N-90075E	<5	2	<1	1670	<1	<1	<10	<0.5	11	<0.5
L-10300N-90100E	9	16	<1	450	<1	3	<10	7.8	104	<0.5
L-10300N-90125E	<5	11	<1	610	<1	2	<10	3.0	13	<0.5
L-10300N-90150E	5	8	<1	440	<1	2	<10	3.1	145	<0.5
L-10300N-90175E	16	8	<1	530	<1	1	<10	7.8	782	<0.5
L-10300N-90200E	<5	2	<1	630	<1	<1	<10	2.1	234	<0.5
L-10300N-90225E	<5	2	<1	700	<1	<1	<10	3.0	509	<0.5
L-10300N-90250E	<5	6	<1	600	<1	2	<10	2.4	168	<0.5
L-10300N-90400E	15	21	<1	460	<1	3	<10	6.6	820	<0.5
L-10300N-90425E	<5	3	<1	570	<1	<1	<10	0.8	<3	<0.5
L-10300N-90475E	<5	6	<1	540	<1	1	<10	1.7	15	<0.5
L-10200N-90000E	8	9	<1	430	<1	2	<10	8.0	163	0.5
L-10200N-90025E	23	8	<1	560	<1	2	<10	10.8	565	<0.5
L-10200N-90050E	23	8	<1	550	<1	2	<10	5.7	357	1.4
L-10200N-90075E	12	4	<1	780	<1	<1	<10	3.0	68	1.1

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Element Method Det.Lim. Units	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	TI MMI-M5 0.5 PPB
L-10200N-90100E	35	11	<1	490	<1	2	<10	11.2	730	0.9
L-10200N-90125E	30	12	<1	310	<1	2	<10	11.9	1910	0.9
L-10200N-90150E	37	16	<1	480	<1	3	<10	13.3	1180	0.9
L-10200N-90175E	12	3	<1	890	<1	<1	<10	1.8	36	0.6
L-10200N-90200E	13	3	<1	850	<1	<1	<10	2.1	193	<0.5
L-10200N-90225E	33	10	<1	220	<1	2	<10	13.2	2370	0.6
L-10200N-90250E	33	7	<1	170	<1	1	<10	14.3	844	0.7
L-10200N-90275E	42	12	<1	170	<1	2	<10	15.5	2480	0.7
L-10200N-90300E	8	3	<1	1410	<1	1	<10	1.9	3	1.1
L-10200N-90400E	12	4	<1	670	<1	<1	<10	2.0	43	0.5
L-10200N-90425E	16	6	<1	530	<1	1	<10	5.1	174	0.5
L-10200N-90450E	9	4	<1	490	<1	<1	<10	1.1	10	0.5
L-10200N-90500E	8	4	<1	710	<1	<1	<10	0.7	5	<0.5
*Dup L-11500N-90125E	24	11	<1	390	<1	2	<10	9.0	607	<0.5
*Dup L-11500N-90425E	26	7	<1	290	<1	1	<10	11.0	598	0.6
*Dup L-11500N-90725E	47	39	<1	490	<1	8	<10	26.0	442	0.7
*Dup L-10300N-90150E	15	3	<1	620	<1	<1	<10	4.4	188	0.6
*Dup L-10200N-90100E	34	7	<1	580	<1	2	<10	10.1	665	0.7
*Dup L-10200N-90500E	10	4	<1	710	<1	<1	<10	0.8	10	<0.5
*Std MMISRM14	<5	4	<1	480	<1	<1	<10	16.8	<3	<0.5
*Std MMISRM14	11	4	<1	490	<1	<1	<10	16.3	<3	0.6
*BIk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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DetLin. Unis         1         1         5         1         20         5           Unis         PPB	Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Units         PPB         PPB </th <th>Det.Lim.</th> <th>1</th> <th>1</th> <th>5</th> <th>1</th> <th>20</th> <th>5</th>	Det.Lim.	1	1	5	1	20	5
L-11500N-90125E       7       <1       60       4       100       24         L-11500N-90175E       6       <1       47       3       30       22         L-11500N-90200E       6       2       68       5       100       57         L-11500N-90225E       5       3       62       5       130       44         L-11500N-90275E       5       1       56       4       40       40         L-11500N-90300E       4       <1       48       3       80       29         L-11500N-9030E       8       1       47       4       40       41         L-11500N-9030E       8       1       47       4       40       41         L-11500N-9030E       8       1       47       4       40       41         L-1150N-9030E       6       1       37       3       20       28         L-1150N-9030E       6       1       37       3       20       28         L-1150N-9037E       12       <1       151       9       20       26         L-1150N-9037E       12       <1       151       9       20       26 <td< th=""><th>Units</th><th>PPB</th><th>PPB</th><th>PPB</th><th>PPB</th><th>PPB</th><th>PPB</th></td<>	Units	PPB	PPB	PPB	PPB	PPB	PPB
L-11500N-90150E       5       -11       7       3       30       22         L-11500N-90200E       6       -116       7       50       42         L-11500N-90202E       5       3       62       5       100       57         L-11500N-90202E       1       55       4       40       40         L-11500N-9020E       1       55       4       40       40         L-11500N-9030DE       4       -4       48       3       80       29         L-11500N-9030DE       8       1       47       4       80       41         L-11500N-9030DE       8       1       47       4       80       41         L-11500N-9030DE       6       1       33       2       40       48         L-11500N-9040DE       4       -1       33       2       40       28         L-11500N-9040DE       4       -1       33       2.20       19         L-11500N-9040DE       5       -1       41       3       2.30       10         L-11500N-9050DE       10       -1       45       3       2.30       10         L-11500N-9050DE       10       -1 </td <td>L-11500N-90125E</td> <td>7</td> <td>&lt;1</td> <td>60</td> <td>4</td> <td>100</td> <td>24</td>	L-11500N-90125E	7	<1	60	4	100	24
L-11500N-90175E         6         <1         116         7         50         42           L-11500N-90225E         6         2         68         5         100         57           L-11500N-90225E         12         1         56         4         40         40           L-11500N-90225E         1         55         4         40         40         40           L-11500N-90205E         10         1         56         4         40         40         41           L-11500N-90305E         10         1         56         4         40         41           L-11500N-90305E         8         1         47         4         80         41           L-11500N-90305E         6         1         37         3         20         29           L-11500N-90425E         6         1         37         3         20         20           L-11500N-90425E         6         <1	L-11500N-90150E	5	<1	47	3	30	22
L-11500N-90220E       6       2       66       5       130       44         L-11500N-90225E       5       1       55       4       40       40         L-11500N-90225E       5       1       55       4       40       40         L-11500N-9025E       10       1       55       4       40       40         L-11500N-90325E       10       1       55       4       40       41         L-11500N-90325E       9       1       55       4       100       48         L-11500N-90400E       5       1       44       3       30       40         L-11500N-90400E       4       <1	L-11500N-90175E	6	<1	116	7	50	42
L-11500N-90225E       5       3       62       5       100       44         L-11500N-90275E       5       1       55       4       40         L-11500N-90275E       5       1       55       4       40       40         L-11500N-90300E       4       <1	L-11500N-90200E	6	2	68	5	100	57
L-11500N-90250E       12       1       56       4       100       51         L-11500N-90300E       4       <1	L-11500N-90225E	5	3	62	5	130	44
L-11500N-9027EE       5       1       55       4       40       40         L-11500N-9032E       10       1       56       4       70       45         L-11500N-9035E       9       1       55       4       100       48         L-11500N-9035E       9       1       55       4       100       48         L-11500N-90400E       5       1       44       3       30       40         L-11500N-90450E       4       <1	L-11500N-90250E	12	1	56	4	100	51
L-11500N-90300E       4       <1	L-11500N-90275E	5	1	55	4	40	40
L-11500N-90325E       10       1       56       4       70       45         L-11500N-90375E       9       1       55       4       100       48         L-11500N-90400E       5       1       44       3       30       40         L-11500N-90425E       6       1       37       3       -20       29         L-1150N-90450E       4       1       33       2       40       28         L-1150N-90450E       4       1       33       2       40       28         L-1150N-90450E       6       -1       14       3       -20       28         L-1150N-9050E       10       -1       45       3       230       10         L-1150N-9050E       10       -1       45       3       20       12         L-1150N-9050E       11       104       7       70       27         L-1150N-9050E       11       -1       66       4       160       24         L-1150N-9050E       8       -1       66       4       160       24         L-1150N-9050E       8       -1       168       720       15         L-1150N-9050E	L-11500N-90300E	4	<1	48	3	80	29
L-11500N-90350E       8       1       47       4       80       41         L-11500N-90400E       5       1       44       3       30       40         L-11500N-90425E       6       1       37       3       <20	L-11500N-90325E	10	1	56	4	70	45
L-11500N-90375E       9       1       55       4       100       48         L-11500N-9042E       6       1       37       3       20       28         L-11500N-9042E       4       -1       33       20       28         L-11500N-90450E       4       -1       33       20       26         L-1150N-9050E       5       -1       41       3       230       10         L-1150N-9052E       6       -1       53       4       50       22       11         L-1150N-9050E       10       -1       45       3       230       10       1       150       90       12       10       20       22       11       104       70       20       12       10       10       1       45       3       230       10       1150N-9050E       11       104       70       27       13       1150N-9050E       13       11       166       5       -20       13       1150N-9050E       46       46       46       20       16       11       11       11       100       11       11       1150N-90750E       48       -1       12       12       12       12       11 <td>L-11500N-90350E</td> <td>8</td> <td>1</td> <td>47</td> <td>4</td> <td>80</td> <td>41</td>	L-11500N-90350E	8	1	47	4	80	41
L11500N-90400E       5       1       44       3       30       40         L11500N-90425E       6       1       37       3       20       28         L11500N-90450E       1       151       9       20       28         L11500N-9050E       5       -1       41       3       -20       19         L11500N-9050E       6       -1       61       4       70       20         L11500N-9055E       6       -1       53       4       50       220       115         L11500N-9055E       6       -1       53       4       50       220       13         L11500N-9050E       11       -1       66       5       -20       13         L11500N-9060E       7       -1       66       5       -20       16         L11500N-9070E       8       -1       66       4       160       17         L11500N-9070E       8       -1       13       7       -20       35         L1150N-9075E       69       -1       28       -20       35         L1150N-9075E       69       -1       12       260       -5         L1150N-9080E <td>L-11500N-90375E</td> <td>9</td> <td>1</td> <td>55</td> <td>4</td> <td>100</td> <td>48</td>	L-11500N-90375E	9	1	55	4	100	48
L-11500N-90425E       6       1       37       3       -20       29         L-11500N-90450E       4       -1       33       2       40       28         L-1150N-90450E       12       -1       151       9       20       26         L-1150N-90525E       6       -1       81       470       20         L-1150N-90550E       10       -1       45       3       20       10         L-1150N-90550E       6       -1       53       4       50       22         L-1150N-9055E       6       -1       66       5       -20       13         L-1150N-90625E       11       -1       66       5       20       6         L-1150N-90625E       6       -1       66       4       180       17         L-1150N-9070DE       8       4       46       4       160       24         L-1150N-9075E       19       <1	L-11500N-90400E	5	1	44	3	30	40
L-11500N-90450E       4       <1	L-11500N-90425E	6	1	37	3	<20	29
L-11500N-90475E       12       <1	L-11500N-90450E	4	<1	33	2	40	28
L-11500N-9050E       5       -1       41       3       -20       19         L-11500N-9055E       6       -1       81       4       70       20         L-11500N-9057E       6       -1       53       4       50       22         L-11500N-9067E       6       -1       104       7       70       27         L-11500N-9062E       11       -1       66       5       -20       13         L-11500N-9067E       6       -1       58       5       20       6         L-11500N-9067E       6       -1       64       480       17         L-11500N-907DE       8       -1       46       4       160       24         L-11500N-907DE       8       -1       103       7       -20       12         L-11500N-9075E       19       -1       53       9       70       -5         L-11500N-9075E       19       -1       53       9       70       -5         L-11500N-9080E       8       -1       18       122       60       -5         L-11500N-9080E       6       -1       12       20       16         L-10300N-9005E	L-11500N-90475E	12	<1	151	9	20	26
L-11500N-90525E       6       <1	L-11500N-90500E	5	<1	41	3	<20	19
L-11500N-90550E         10         <1         45         3         230         10           L-11500N-9057E         6         <1	L-11500N-90525E	6	<1	81	4	70	20
L-11500N-90575E         6         <1         53         4         50         22           L-11500N-90600E         17         <1	L-11500N-90550E	10	<1	45	3	230	10
L-11500N-90600E17<110477027L-11500N-90625E11<1	L-11500N-90575E	6	<1	53	4	50	22
L-11500N-90625E       11       <1	L-11500N-90600E	17	<1	104	7	70	27
L-11500N-90650E       7       <1	L-11500N-90625E	11	<1	66	5	<20	13
L-11500N-90675E         6         -1         66         4         180         17           L-11500N-90700E         8         <1	L-11500N-90650E	7	<1	58	5	20	6
L-11500N-90700E         8         <1         46         4         160         24           L-11500N-90725E         69         <1	L-11500N-90675E	6	<1	66	4	180	17
L-11500N-90725E69<127821<2035L-11500N-90750E48<1	L-11500N-90700E	8	<1	46	4	160	24
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L-11500N-90800E         8         <1         18         1         <20         10           L-11500N-90825E         13         <1	L-11500N-90775E	19	<1	53	9	70	<5
L-11500N-90825E         13         <1         86         5         <20         7           L-11500N-90850E         66         <1	L-11500N-90800E	8	<1	18	1	<20	10
L-11500N-90850E66<112260<5L-10300N-9000E2<1	L-11500N-90825E	13	<1	86	5	<20	7
L-10300N-90000E       2       <1	L-11500N-90850E	66	<1	12	2	60	<5
L-10300N-90025E5<147415026L-10300N-90050E10<1	L-10300N-90000E	2	<1	20	2	<20	<5
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L-10300N-90075E4<1244<20<5L-10300N-90100E5<1	L-10300N-90050E	10	<1	127	10	100	10
L-10300N-90100E5<1967<2013L-10300N-90125E2<1	L-10300N-90075E	4	<1	24	4	<20	<5
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L-10300N-90175E5<1403<2031L-10300N-90200E3<1	L-10300N-90150E	7	<1	50	4	<20	7
L-10300N-90200E3<1141608L-10300N-90225E3<1	L-10300N-90175E	5	<1	40	3	<20	31
L-10300N-90225E       3       <1	L-10300N-90200E	3	<1	14	1	60	8
L-10300N-90250E3<1474<207L-10300N-90400E4<1	L-10300N-90225E	3	<1	12	<1	50	11
L-10300N-90400E4<17856020L-10300N-90425E11<1	L-10300N-90250E	3	<1	47	4	<20	7
L-10300N-90425E11<1211150<5L-10300N-90475E8<1	L-10300N-90400E	4	<1	78	5	60	20
L-10300N-90475E         8         <1         51         3         70         6           L-10200N-90000E         5         <1	L-10300N-90425E	11	<1	21	1	50	<5
L-10200N-90000E         5         -1         70         7         50         11           L-10200N-90025E         9         -1         39         3         40         28           L-10200N-90050E         6         -1         39         3         350         17           L-10200N-90075E         5         2         29         3         <20	L-10300N-90475E	8	<1		3	70	6
L-10200N-90025E     9     <1     39     3     40     28       L-10200N-90050E     6     <1	L-10200N-90000E	5	<1	70	7	50	- 11
L-10200N-90050E 6 <1 39 3 350 17 L-10200N-90075E 5 2 29 3 <20 9	L-10200N-90025E	9	<1	39	3	40	28
L-10200N-90075E 5 2 29 3 <20 9	L-10200N-90050E	6	<1	39	3	350	17
	L-10200N-90075E	5	2	29	3	<20	9

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Element Method Det.Lim.	U MMI-M5 1	W MMI-M5 1	Y MMI-M5 5	Yb MMI-M5 1	Zn MMI-M5 20	Zr MMI-M5 5
Units	PPB	PPB	PPB	PPB	PPB	PPB
L-10200N-90100E	8	1	65	5	60	29
L-10200N-90125E	6	<1	63	4	70	45
L-10200N-90150E	9	<1	83	6	50	44
L-10200N-90175E	2	<1	29	4	50	5
L-10200N-90200E	3	<1	30	3	910	11
L-10200N-90225E	5	<1	57	4	120	48
L-10200N-90250E	5	<1	35	3	540	52
L-10200N-90275E	10	<1	56	4	80	89
L-10200N-90300E	37	<1	48	4	160	<5
L-10200N-90400E	8	<1	33	2	140	7
L-10200N-90425E	4	<1	34	2	250	18
L-10200N-90450E	7	<1	29	2	2360	6
L-10200N-90500E	5	<1	32	2	60	<5
*Dup L-11500N-90125E	7	<1	63	4	90	23
*Dup L-11500N-90425E	6	<1	38	3	30	30
*Dup L-11500N-90725E	67	<1	290	21	40	37
*Dup L-10300N-90150E	10	<1	22	2	20	11
*Dup L-10200N-90100E	9	<1	38	3	60	29
*Dup L-10200N-90500E	6	<1	39	2	70	<5
*Std MMISRM14	33	<1	9	<1	310	12
*Std MMISRM14	32	<1	9	<1	350	13
*BIk BLANK	<1	<1	<5	<1	<20	<5
*BIk BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 095334

Date: Oct 25, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	74
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 74 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient Sample = No result
	*INF = Composition of this sample makes detection im	ossible by this method
	M after a result denotes ppb to ppm conversion, % denote Methods marked with an asterisk (e.g. *NAA08V) were sub	contracted
	Subject to SGS Gene	al Terms and Conditions

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SGS Canada Inc.

Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.ca



Units         PPE         PPE </th <th>Element Method Det.Lim.</th> <th>Ag MMI-M5 1</th> <th>AI MMI-M5 1</th> <th>As MMI-M5 10</th> <th>Au MMI-M5 0.1</th> <th>Ba MMI-M5 10</th> <th>Bi MMI-M5 1</th> <th>Ca MMI-M5 10</th> <th>Cd MMI-M5 1</th> <th>Ce MMI-M5 5</th> <th>Co MMI-M5 5</th>	Element Method Det.Lim.	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
L11620K-96200E       11       77       30       0.1       3040       -41       100       107       167       114         L11680K-90205E       12       5       10       0.5       2200       -41       300       9       31       94         L11680K-90205E       12       13       220       0.1       356.00       -41       230       2       68       272         L11680K-90205E       6       54       -10       0.5       6760       -1       270       2       41       88       147         L11680K-90475E       9       147       30       0.5       6760       -1       270       2       41       88       22       11       12       148       100       4       72       74       75       75       75       75       75       75       75       75       75 <t< th=""><th>Units</th><th>PPB</th><th>PPM</th><th>PPB</th><th>PPB</th><th>PPB</th><th>PPB</th><th>PPM</th><th>PPB</th><th>PPB</th><th>PPB</th></t<>	Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L11650A-03025E       12       5       10       0.5       2200       -1       300       9       31       514         L11650A-03025E       12       31       20       0.1       3950       -1       230       5       60       422         L11650A-04045DE       17       52       20       0.4       5400       -1       180       3       190       12       2       64       4200       2       64       420       2       44       10       10       12       12       116       110       12       12       116       116       100       4       7       3       120       11       100       4       7       3       266       11       110       2       100       10       3       149       199       116       100       3       149       109       10       100       100       10       100<	L-11650N-90300E	11	77	30	0.1	3040	<1	100	10	167	117
L+16960+04075E       17       6       <10	L-11650N-90325E	12	5	10	0.5	2200	<1	190	8	162	141
L-H6S0M-90075E       12       31       20       0.1       3960       -+1       230       5       606       442         L-H6S0M-90075E       17       52       20       0.4       6400       -+1       210       2       88       22         L-H6S0M-90075E       9       4       <10	L-11650N-90350E	17	6	<10	0.3	2100	<1	330	9	31	514
L-11650-0400E       6       54       <10	L-11650N-90375E	12	31	20	0.1	3950	<1	230	5	60	143
1-1650-0425E       17       52       20       0.4       5400       180       3       190       125         1-1650-04050E       0       6       6700       -1       200       2       41       180         L-11650-04060E       16       103       30       0.9       1240       -1       100       4       72       47         L-11650-04050E       11       32       40       0.2       3700       -1       180       73       266         L-11650-04057E       6       62       20       0.3       6660       -1       190       4       48       190       14       91       102       14       91       102       14       91       102       14       91       102       14       91       102       14       91       102       14       91       102       12       116       116       91       102       12       12       116       10       0.1       1230       100       130       91       102       12       12       116       10       0.1       1230       130       11       12       12       16       10       0.1       1230       11       12	L-11650N-90400E	6	54	<10	0.3	5120	<1	230	2	68	27
L-116500-400400E       9       4       <10	L-11650N-90425E	17	52	20	0.4	5400	<1	180	3	190	125
L-11650-N9075E       9       147       30       0.1       2460       <1       100       42       12       147       30         L-11650-N9050E       11       32       <10	L-11650N-90450E	9	4	<10	0.5	6760	<1	270	2	41	88
L-11650A-90500E       15       103       30       0.8       1240       -ri       100       4       72       477         L-11650A-90525E       11       32       <10	L-11650N-90475E	9	147	30	0.1	2460	<1	110	12	129	116
L-11650N-90525E       11       32       <10	L-11650N-90500E	15	103	30	0.9	1240	<1	100	4	72	47
L-11850N-90050E       4       54       20       0.2       6060       <1	L-11650N-90525E	11	32	<10	0.2	3700	<1	180	7	83	266
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Li Hésón-Negeode       é       52       10       0.1       5420       <1       300       é       34       100         L-11850N-90650E       11       49       10       0.6       3830       <1	L-11650N-90575E	6	62	20	0.3	6580	<1	160	3	149	191
L-11850N-90622E       9       28       10       0.6       3830       <1	L-11650N-90600E	6	52	10	0.1	5420	<1	300	6	34	108
L11650N-90650E       11       89       10       0.1       6990       <1	L-11650N-90625E	9	28	10	0.6	3830	<1	190	4	88	74
L-11650N-9070DE         12         165         30         0.1         2910         <1         80         19         102         124           L-11650N-9070DE         14         59         30         0.2         1960         <1	L-11650N-90650E	11	89	10	0.1	6990	<1	220	6	62	73
L-11650N-00700E       14       59       30       0.2       1960       <1	L-11650N-90675E	12	165	30	0.1	2910	<1	80	19	102	124
L-11650N-90725E         12         16         <10         0.3         880         <1         390         29         11         23           L-11650N-90750E         7         6         <10	L-11650N-90700E	14	59	30	0.2	1960	<1	140	4	46	101
L-11650N-90900E         7         6         <10         <0.1         850         <1         450         40         5         119           L-11650N-90900E         4         27         <10	L-11650N-90725E	12	16	<10	0.3	880	<1	390	29	11	23
L-11650N-90826E       2       6       <10	L-11650N-90750E	7	6	<10	<0.1	850	<1	450	40	5	19
L-11650N-90825E       2       6       <10	L-11650N-90800E	4	27	<10	0.1	1230	<1	370	9	41	37
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L-11650N-909075E         1         2         20         0.3         340         <1         440         12         <5         59           L-11650N-90900E         7         2         <10	L-11650N-90850E	<1	<1	30	0.4	370	<1	380	11	<5	234
L-11650N-90900E         7         2         <10         0.2         380         <1         500         25         <5         113           L-11650N-90925E         8         17         <10	L-11650N-90875E	1	2	20	0.3	340	<1	440	12	<5	59
L-11650N-90925E         8         17         <10         <0.1         1560         <1         390         41         7         500           L-11650N-90950E         5         112         20         <0.1	L-11650N-90900E	7	2	<10	0.2	380	<1	500	25	<5	13
L-11650N-90950E511220 $<0.1$ 1060 $<<$ 1501858207L-11650N-9075E33 $<10$ $<0.1$ $750$ $<1$ $420$ $38$ $<5$ $37$ L-11650N-9102E2018 $<10$ 0.2 $970$ $<1$ $1000$ 1818 $22$ L11650N-9102E2018 $<10$ 0.2 $970$ $<1$ $1000$ 1818 $22$ L11650N-9102E1111 $0.2$ $470$ $<4$ $460$ $6$ $17$ $31$ L-11650N-91075E9 $4$ $<10$ $0.7$ $990$ $<1$ $1110$ $25$ $<5$ $441$ L-11650N-9112E3 $3$ $<10$ $0.2$ $900$ $<1$ $1103$ $25$ $<5$ $411$ L-11650N-91150E3 $3$ $<10$ $0.2$ $900$ $<1$ $1103$ $25$ $<5$ $75$ L0990N-9052E14 $67$ $30$ $0.1$ $2500$ $<170$ $1030$ $25$ $<5$ $75$ L0990N-9050E35 $10$ $20$ $1.2$ $640$ $<170$ $100$ $88$ $73$ L0990N-9050E $35$ $10$ $20$ $1.2$ $640$ $<170$ $100$ $86$ $73$ L0990N-9050E $34$ $59$ $30$ $0.2$ $1060$ $<170$ $100$ $11$ $76$ $441$ L0970N-9052E $34$ $59$ $30$ $0.2$ $1060$ $<120$ $11$ $76$ <td< td=""><td>L-11650N-90925E</td><td>8</td><td>17</td><td>&lt;10</td><td>&lt;0.1</td><td>1560</td><td>&lt;1</td><td>390</td><td>41</td><td>7</td><td>50</td></td<>	L-11650N-90925E	8	17	<10	<0.1	1560	<1	390	41	7	50
L-11650N-90975E33<10<0.1550<142038<537L-11650N-9100E52<10	L-11650N-90950E	5	112	20	<0.1	1060	<1	150	18	58	207
L-11650N-9100E52<100.1720<151028<5144L-11650N-9102E2018<10	L-11650N-90975E	3	3	<10	<0.1	550	<1	420	38	<5	37
L-11650N-91025E2018<100.2970<10001818222L-11650N-91050E1111100.2470<1	L-11650N-91000E	5	2	<10	0.1	720	<1	510	28	<5	14
L-11650N-91050E1111100.2 $470$ <146061731L-11650N-91075E94<10	L-11650N-91025E	20	18	<10	0.2	970	<1	1000	18	18	22
L-11650N-91075E94<100.7990<1111025<5 $44$ L-11650N-91125E411<10	L-11650N-91050E	11	11	10	0.2	470	<1	460	6	17	31
L-11650N-91125E411 $<10$ $<0.1$ 830 $<1$ 117027 $<5$ 19L-11650N-91150E33 $<10$ 0.2900 $<1$ 103025 $<5$ 75L-0990N-90525E1467300.12500 $<1$ 170664106L-0990N-90500E3510201.2640 $<1$ 240108873L-0990N-9050E3510201.2640 $<1$ 240108873L-0990N-9030E112500.61330 $<1$ 17061465L-0990N-90525E3459300.21060 $<1$ 1601267441L-0970N-90525E3459300.21060 $<1$ 1201175176L-0970N-9050E35129500.11070 $<1$ 1201175176L-0970N-9050E35129500.11070 $<1$ 1201175176L-0970N-9050E2224100.81450 $<1$ 2801623578L-0980N-904502224100.81450 $<1$ 13011291690L-0980N-904501371300.22500 $<1$ 1301129120L-0980N-9045013719300.22500 $<1$	L-11650N-91075E	9	4	<10	0.7	990	<1	1110	25	<5	41
L-11650N-91150E3 $3$ $<10$ 0.2900 $<1$ 103025 $<5$ $755$ L-0990N-9050E1467300.12500 $<1$ 1706640106L-0990N-9050E3510201.2640 $<1$ 2401088 $733$ L-0990N-90350E112500.61330 $<1$ 1706144655L-0990N-9030E1627800.3690 $<1$ 1601267441L-0970N-90525E3459300.21060 $<1$ 270172567L-0970N-9050E35129500.11070 $<1$ 1201175176L-0970N-9050E35129500.11070 $<1$ 12011175176L-0970N-90450E2224100.81450 $<1$ 2801623578L-0980N-904506111 $<10$ 0.42710 $<1$ 13011291690L-0980N-904501510820 $<0.1$ 220 $<1$ 13011291690L-0980N-9045015149300.22530 $<1$ 10019639309L-0980N-9045015149300.22530 $<1$ 1001946309309309309309309309309<	L-11650N-91125E	4	11	<10	<0.1	830	<1	1170	27	<5	19
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L-09900N-90300E1627800.3690<11601267441L-09700N-90525E3459300.21060<1	L-09900N-90350E	11	2	50	0.6	1330	<1	170	6	14	65
L-09700N-90525E3459300.21060<1270172567L-09700N-90500E35129500.11070<1	L-09900N-90300E	16	27	80	0.3	690	<1	160	12	67	441
L-09700N-90500E35129500.11070<11201175176L-09700N-90475E2054301.01260<1	L-09700N-90525E	34	59	30	0.2	1060	<1	270	17	25	67
L-09700N-90475E2054301.01260<117095076L-09700N-90450E2224100.81450<1	L-09700N-90500E	35	129	50	0.1	1070	<1	120	11	75	176
L-09700N-90450E2224100.81450<12801623578L-09800N-905006111<10	L-09700N-90475E	20	54	30	1.0	1260	<1	170	9	50	76
L-09800N-905006111<100.42710<1130111291690L-09800N-904751510820<0.1	L-09700N-90450E	22	24	10	0.8	1450	<1	280	16	235	78
L-09800N-904751510820<0.12000<125012687497L-09800N-904501371300.43230<1	L-09800N-90500	6	111	<10	0.4	2710	<1	130	11	29	1690
L-09800N-904501371300.43230<1190692120L-09800N-9042515149300.22530<1	L-09800N-90475	15	108	20	<0.1	2200	<1	250	126	87	497
L-09800N-9042515149300.22530<11001946309L-09800N-90400175520<0.1	L-09800N-90450	13	71	30	0.4	3230	<1	190	6	92	120
L-09800N-90400175520<0.12020<12602526107L-09800N-903755108300.22500<1	L-09800N-90425	15	149	30	0.2	2530	<1	100	19	46	309
L-09800N-903755108300.22500<11103852209L-09800N-903502095300.52340<1	L-09800N-90400	17	55	20	<0.1	2020	<1	260	25	26	107
L-09800N-90350 20 95 30 0.5 2340 <1 130 8 68 124	L-09800N-90375	5	108	30	0.2	2500	<1	110	38	52	209
	L-09800N-90350	20	95	30	0.5	2340	<1	130	8	68	124

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L-09800N-90325	25	82	20	0.1	1320	<1	150	17	60	59
L-09800N-90300	20	110	50	0.7	2640	<1	80	11	93	128
L-10100N-90000E	10	32	20	0.3	2100	<1	230	2	40	87
L-10100N-90025E	17	26	<10	0.1	6420	<1	580	2	11	70
L-10100N-90050E	17	60	10	0.5	1310	<1	300	2	41	84
L-10100N-90075E	15	73	10	0.1	1320	<1	250	10	28	115
L-10100N-90100E	5	64	70	0.5	2060	<1	160	3	116	81
L-10100N-90125E	18	53	10	<0.1	1040	<1	290	7	18	41
L-10100N-90150E	16	109	50	<0.1	2540	<1	120	10	58	117
L-10100N-90175E	30	96	30	0.2	2040	<1	140	12	65	109
L-10100N-90200E	24	59	<10	0.1	1620	<1	250	31	16	82
L-10100N-90225E	12	48	30	0.2	1530	<1	120	3	73	101
L-10100N-90250E	16	12	<10	0.1	3010	<1	310	8	43	62
L-10100N-90275E	29	16	<10	0.5	1930	<1	430	16	46	118
L-10100N-90450E	16	71	10	0.2	1900	<1	220	15	42	93
L-10100N-90475E	23	48	30	0.2	890	<1	300	6	63	100
L-10100N-90500E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10000N-90150E	11	130	60	0.2	680	<1	80	12	89	227
L-10000N-90175E	14	95	10	0.2	1040	<1	280	23	101	81
L-10000N-90200E	19	71	30	0.1	1850	<1	200	7	85	70
L-10000N-90225E	25	51	<10	<0.1	1620	<1	250	16	16	113
L-10000N-90250E	11	39	20	<0.1	1860	<1	230	7	25	75
L-10000N-90275E	26	78	10	<0.1	980	<1	250	32	26	68
L-10000N-90450E	18	52	30	<0.1	1180	<1	140	12	22	94
L-10000N-90475E	14	101	50	0.2	1390	<1	90	27	48	123
L-10000N-90500E	16	5	20	7.2	2860	<1	380	7	5	176
*Dup L-11650N-90300E	9	73	30	<0.1	3020	<1	100	8	140	112
*Dup L-11650N-90600E	7	40	<10	0.3	4540	<1	270	4	27	99
*Dup L-11650N-90925E	11	15	<10	<0.1	2090	<1	410	41	5	45
*Dup L-09900N-90300E	22	25	80	0.4	720	<1	170	14	68	462
*Dup L-09800N-90325	30	91	20	0.2	1320	<1	170	20	59	64
*Dup L-10100N-90250E	15	13	10	0.1	2680	<1	300	8	43	51
*Dup L-10000N-90475E	14	101	60	0.3	1540	<1	90	27	49	120
*Std MMISRM14	16	35	10	35.4	80	<1	230	7	16	40
*Std MMISRM14	16	37	10	37.4	80	<1	240	7	17	41
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Det.Lim. Unite	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
1-11650N-90300F	200	220	18	87	4 1	66	21	76	<5	39
1-11650N-90325F	<100	900	72	40.5	11 1	16	 77	58	6	124
1-11650N-90350F	<100	640	4	3.1	0.6	13	4	13	<5	63
L-11650N-90375E	100	130	6	3.3	1.1	43	7	24	<5	102
L-11650N-90400E	<100	80	10	5.1	1.9	35	12	37	<5	77
L-11650N-90425E	100	190	22	11.5	3.7	36	22	55	<5	108
L-11650N-90450E	<100	140	14	7.6	2.0	5	14	15	<5	122
L-11650N-90475E	200	170	17	8.5	3.8	84	19	56	<5	47
L-11650N-90500E	100	140	9	4.0	2.1	52	10	33	<5	42
L-11650N-90525E	<100	160	14	7.7	2.6	9	15	21	<5	111
L-11650N-90550E	<100	110	11	5.6	2.3	35	12	43	<5	99
L-11650N-90575E	100	150	11	6.1	2.0	32	12	36	<5	114
L-11650N-90600E	100	140	5	3.8	1.0	38	5	13	<5	116
L-11650N-90625E	<100	210	25	12.9	4.6	17	27	44	<5	121
L-11650N-90650E	100	120	7	4.1	1.3	57	8	27	<5	63
L-11650N-90675E	300	140	10	5.0	2.2	113	11	45	8	34
L-11650N-90700E	100	120	6	3.0	1.5	40	7	17	<5	74
L-11650N-90725E	<100	400	8	5.5	1.4	15	8	8	20	65
L-11650N-90750E	<100	140	3	2.0	<0.5	6	2	2	37	78
L-11650N-90800E	<100	100	8	4.0	1.7	26	9	24	19	88
L-11650N-90825E	<100	2340	2	1.1	<0.5	6	2	2	8	293
L-11650N-90850E	<100	1330	<1	0.5	<0.5	6	<1	<1	5	96
L-11650N-90875E	<100	1810	2	1.6	<0.5	9	1	2	6	72
L-11650N-90900E	<100	250	4	2.8	<0.5	2	3	<1	11	71
L-11650N-90925E	<100	100	3	1.8	<0.5	7	3	3	<5	91
L-11650N-90950E	200	100	10	5.5	2.1	92	10	23	17	92
L-11650N-90975E	<100	20	2	1.2	<0.5	2	1	<1	14	143
L-11650N-91000E	<100	110	2	1.6	<0.5	3	1	<1	<5	61
L-11650N-91025E	<100	1000	4	2.1	0.9	22	5	6	28	223
L-11650N-91050E	<100	310	3	1.7	0.8	13	4	7	7	119
L-11650N-91075E	<100	650	3	2.4	<0.5	9	3	1	8	158
L-11650N-91125E	<100	270	1	0.9	<0.5	6	1	1	<5	170
L-11650N-91150E	<100	1360	2	1.0	<0.5	5	2	1	<5	215
L-09900N-90525E	200	190	10	5.3	2.1	78	11	32	<5	32
L-09900N-90500E	<100	600	27	13.4	8.4	19	38	52	<5	72
L-09900N-90350E	<100	700	2	1.2	0.5	7	3	5	<5	19
L-09900N-90300E	100	180	7	3.9	2.2	69	9	20	<5	96
L-09700N-90525E	<100	200	4	2.1	0.8	58	4	9	<5	36
L-09700N-90500E	400	120	12	5.8	2.8	90	13	29	<5	38
L-09700N-90475E	100	170	6	3.3	1.5	50	7	14	<5	34
L-09700N-90450E	<100	410	62	32.3	15.1	22	67	91	<5	104
L-09800N-90500	200	450	8	5.8	1.0	27	6	10	<5	49
L-0980UN-90475	100	180	7	4.0	1.5	84	7	22	6	60 
L-09800N-90450	200	200	9	4.5	2.2	51	11	26	<5	17
L-09800N-90425	400	140	5	2.5	0.9	163	5	19	9	40
	100	150	3	1./	0.8	56	4	12	6	41
L-09800N-90375	300	150	6	3.1	1.2	120	б	20	1	52
L-09000N-90300	200	200	8	3.9	1.9	80	Я	31	<5	32

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Element Method Det Lim	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-09800N-90325	100	150	11	6.2	2.4	63	12	30	<5	28
L-09800N-90300	300	350	12	5.4	2.5	85	12	28	<5	21
L-10100N-90000E	100	180	6	3.5	1.4	26	6	10	<5	114
L-10100N-90025E	<100	320	11	8.2	0.9	5	8	6	<5	27
L-10100N-90050E	200	240	9	4.9	1.9	32	9	14	<5	100
L-10100N-90075E	100	260	10	5.9	1.7	43	8	10	<5	74
L-10100N-90100E	200	190	14	6.4	3.8	67	16	48	<5	76
L-10100N-90125E	<100	100	3	1.3	0.5	38	3	6	<5	28
L-10100N-90150E	300	140	9	4.4	2.3	82	10	32	<5	39
L-10100N-90175E	200	160	8	4.5	2.0	80	9	27	<5	33
L-10100N-90200E	100	80	3	1.6	0.6	46	4	9	<5	55
L-10100N-90225E	200	260	7	3.1	1.6	35	7	16	<5	26
L-10100N-90250E	<100	610	10	5.0	2.3	18	12	19	<5	67
L-10100N-90275E	<100	740	10	4.8	2.5	13	12	15	<5	68
L-10100N-90450E	100	210	6	3.1	1.3	52	6	16	<5	80
L-10100N-90475E	<100	1000	10	5.5	2.3	37	11	17	<5	65
L-10100N-90500E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10000N-90150E	600	260	11	5.7	2.8	128	12	30	<5	35
L-10000N-90175E	<100	470	21	11.6	5.2	48	24	38	<5	64
L-10000N-90200E	100	250	15	7.7	3.8	63	18	40	<5	37
L-10000N-90225E	100	120	3	1.7	0.8	39	4	9	<5	82
L-10000N-90250E	100	80	3	1.5	1.0	43	4	11	<5	68
L-10000N-90275E	<100	190	5	2.7	1.1	63	5	12	<5	58
L-10000N-90450E	200	130	3	1.3	0.5	51	3	7	<5	50
L-10000N-90475E	300	120	6	2.7	1.3	85	6	17	<5	23
L-10000N-90500E	<100	540	1	0.9	<0.5	4	2	1	7	37
*Dup L-11650N-90300E	200	190	15	7.3	3.6	60	18	60	<5	36
*Dup L-11650N-90600E	<100	120	6	2.4	<0.5	27	5	9	<5	84
*Dup L-11650N-90925E	<100	100	3	2.0	<0.5	5	3	2	<5	79
*Dup L-09900N-90300E	<100	200	9	4.6	2.4	66	10	20	6	109
*Dup L-09800N-90325	100	150	11	6.1	2.4	65	12	28	<5	33
*Dup L-10100N-90250E	<100	570	9	4.6	2.4	17	12	19	<5	66
*Dup L-10000N-90475E	300	110	5	2.7	1.3	90	6	17	<5	25
*Std MMISRM14	<100	620	2	0.7	0.8	2	3	3	<5	37
*Std MMISRM14	<100	640	2	0.7	0.8	2	3	3	<5	35
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5
Det.Lim. Unite	PPB									
01115 1_11650N_90300F	8	35	83	511	100	<1	20	<1	98	<1
L-11650N-90325E	<5	1 1	118	5640	40	<1	20	<1	14	<1
1-11650N-90350E	<5	<0.5	15	1590	10	<1	4	<1	20	<1
1-11650N-90375E	<5	1 7	25	843	90	<1	6	<1	 62	<1
1-11650N-90400F	<5	14	43	370	100	<1	10	<1	119	<1
1-11650N-90425E	<5	1.8	64	1020	160	<1	14	<1	54	<1
1-11650N-90450E	<5	<0.5	25	737	50	<1	4	<1	18	<1
1-11650N-90475E	6	5.0	65	612	120	<1	16	<1	165	<1
L-11650N-90500E	7	3.6	40	438	70	<1	9	<1	136	<1
L-11650N-90525E	<5	0.6	29	991	150	<1	6	<1	39	<1
I-11650N-90550F	<5	18		375	110	<1	11	<1	72	<1
L-11650N-90575E	<5	1.8	41	852	130	<1	10	<1	54	<1
L-11650N-90600E	<5	1.8	16	810	100	<1	5	<1	43	<1
L-11650N-90625E	<5	0.6	64	1150	40	<1	13	<1	40	<1
L-11650N-90650E	<5	2.8	30	776	110	<1	7	<1	83	<1
L-11650N-90675E	<5	5.0	48	576	130	<1	12	<1	73	<1
L-11650N-90700E	<5	1.3	24	578	70	<1	5	<1	101	<1
L-11650N-90725E	<5	<0.5	- 15	3780	30	<1	3	<1	101	<1
L-11650N-90750E	7	<0.5	3	3910	20	<1	<1	<1	93	<1
L-11650N-90800E	8	0.5	28	896	30	<1	6	<1	46	<1
L-11650N-90825E	25	<0.5	3	18800	30	<1	<1	<1	20	5
L-11650N-90850E	46	<0.5	1	7330	<10	<1	<1	<1	21	8
L-11650N-90875E	38	<0.5	3	8620	<10	<1	<1	<1	25	3
L-11650N-90900E	<5	<0.5	2	3620	<10	<1	<1	<1	20	1
L-11650N-90925E	<5	<0.5	5	959	30	<1	1	<1	52	<1
L-11650N-90950E	<b>8</b>	4.5	33	1170	130	<1	8	<1	54	<1
L-11650N-90975E	<5	<0.5	<1	267	10	<1	<1	<1	15	<1
L-11650N-91000E	<5	<0.5	<1	969	<10	<1	<1	<1	8	1
L-11650N-91025E	10	0.8	12	4170	30	<1	2	<1	46	5
L-11650N-91050E		<0.5	12	1120	10	<1	2	<1	52	1
L-11650N-91075E	18	<0.5	2	12000	30	<1	<1	<1	22	2
L-11650N-91125E	8	<0.5	2	4720	40	<1	<1	<1	19	<1
L-11650N-91150E	10	<0.5	2	20800	20	<1	<1	<1	17	2
L-09900N-90525E	11	4.8	37	571	100	<1	9	<1	107	<1
L-09900N-90500E	<5	<0.5	107	1130	20	<1	20	<1	49	<1
L-09900N-90350E	7	<0.5	8	807	10	<1	2	<1	17	2
L-09900N-90300E	7	0.6	30	1980	30	<1	7	<1	72	<1
L-09700N-90525E	6	2.0	12	495	50	<1	3	<1	88	<1
L-09700N-90500E	13	2.7	42	579	140	<1	10	<1	140	1
L-09700N-90475E	12	0.9	20	368	70	<1	4	<1	131	<1
L-09700N-90450E	5	<0.5	181	1190	60	<1	35	<1	43	<1
L-09800N-90500	<5	<0.5	14	1630	110	<1	3	<1	124	<1
L-09800N-90475	9	4.0	27	913	130	<1	7	<1	63	<1
L-09800N-90450	5	0.8	36	657	100	<1	8	<1	110	<1
L-09800N-90425	11	5.1	20	574	120	<1	5	<1	118	1
L-09800N-90400	6	3.0	13	411	90	<1	3	<1	143	<1
L-09800N-90375	13	5.9	24	533	120	<1	6	<1	123	1
L-09800N-90350	8	3.8	32	571	110	<1	8	<1	105	<1

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Element Mathed	Mo MMLM5	Nb MMI_M5	Nd MMLM5	Ni MMLM5	Pb MMI_M5	Pd MMI_M5	Pr MMLM5	Pt MMI_M5	Rb MMLM5	Sb MMLM5
Det Lim	5	0.5	1	5	10	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-09800N-90325	10	2.9	39	268	90	<1	9	<1	127	<1
L-09800N-90300	13	2.1	39	459	110	<1	9	<1	122	1
L-10100N-90000E	6	0.7	17	534	30	<1	3	<1	108	<1
L-10100N-90025E	<5	<0.5	11	727	10	<1	2	<1	21	<1
L-10100N-90050E	7	<0.5	23	990	30	<1	5	<1	103	<1
L-10100N-90075E	<5	1.4	18	902	30	<1	4	<1	162	<1
L-10100N-90100E	15	3.4	60	587	80	<1	14	<1	147	1
L-10100N-90125E	<5	1.4	9	296	60	<1	2	<1	136	<1
L-10100N-90150E	8	2.8	37	409	140	<1	9	<1	135	<1
L-10100N-90175E	7	4.9	32	382	90	<1	7	<1	125	<1
L-10100N-90200E	7	1.6	12	419	80	<1	3	<1	141	<1
L-10100N-90225E	9	0.8	24	287	60	<1	5	<1	105	<1
L-10100N-90250E	<5	<0.5	32	949	20	<1	6	<1	80	<1
L-10100N-90275E	10	<0.5	28	1610	30	<1	5	<1	63	<1
L-10100N-90450E	10	2.3	23	1030	100	<1	5	<1	220	<1
L-10100N-90475E	10	0.8	30	2870	60	<1	6	<1	132	1
L-10100N-90500E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10000N-90150E	17	4.2	41	584	100	<1	9	<1	104	2
L-10000N-90175E	8	2.1	63	1080	60	<1	13	<1	191	<1
L-10000N-90200E	7	2.5	56	625	90	<1	12	<1	101	<1
L-10000N-90225E	8	1.7	13	363	60	<1	3	<1	105	<1
L-10000N-90250E	7	1.5	16	358	60	<1	3	<1	153	<1
L-10000N-90275E	8	2.3	16	630	90	<1	4	<1	101	<1
L-10000N-90450E	8	1.9	9	300	80	<1	2	<1	100	<1
L-10000N-90475E	11	2.2	21	242	110	<1	5	<1	97	<1
L-10000N-90500E	7	<0.5	3	870	20	<1	<1	<1	37	<1
*Dup L-11650N-90300E	6	3.6	71	448	100	<1	17	<1	96	<1
*Dup L-11650N-90600E	<5	0.8	10	719	70	<1	1	<1	44	<1
*Dup L-11650N-90925E	<5	<0.5	3	1040	40	<1	<1	<1	55	<1
*Dup L-09900N-90300E	7	0.5	34	2270	40	<1	7	<1	76	<1
*Dup L-09800N-90325	9	2.6	38	303	100	<1	8	<1	132	<1
*Dup L-10100N-90250E	<5	<0.5	34	880	20	<1	6	<1	82	<1
*Dup L-10000N-90475E	11	2.4	20	258	110	<1	5	<1	103	1
*Std MMISRM14	31	<0.5	12	256	100	39	2	<1	263	<1
*Std MMISRM14	32	<0.5	13	263	110	40	2	<1	270	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method Det.Lim. Unite	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	TI MMI-M5 0.5 PPB
1_11650N_90300F	32	18	<1	450	1	2	<10	36.8	995	<0.5
1-11650N-90325F	25	47	<1	710	· <1	12	<10	14.3	76	<0.0 <0.5
-11650N-90350F	14	3	<1	1320	<1	 <1	<10	5.4	<3	0.0 105 <
L_11650N_90375E	14	5	' <1	910	<1	1	<10	11 1	265	0.0 105 <
1-11650N-90400F	17	10	<1	980	<1	2	<10	12.5	188	<0.5
- 11650N-90425F	34	17	<1	1060	<1	- 4	<10	26.2	354	<0.5
1-11650N-90450F	17	9	<1	1460	<1	2	<10	5.3	<3	0.0 <0.5
L-11650N-90475E	37	16	<1	400	<1	- 3	<10	23.5	1270	~0.0 <0.5
L-11650N-90500F	22	9	<1	300	- <1	2	<10	13.2	955	<0.0
L-11650N-90525E	16	10	· <1	1220	· <1	2	<10	6.9	83	<0.0
111650N-90550F	21	10	<1	900	· <1	- 2	<10	13.7	438	0.0 <0.5
L-11650N-90575F	21	10	<1	860	<1	2	<10	23.3	401	~0.0 <0.5
-11650N-90600F	20	5	· <1	890	· <1	- 1	<10	9.8	158	<0.5
1-11650N-90625E		19	<1	700	· <1	ل	<10	74	120	<0.5
L-11650N-90650F	24	7	<1	900	<1	- 1	<10	15.0	418	<0.5
-11650N-90675F	34	10	<1	330	<1	2	<10	20.6	1130	<0.5
1-11650N-90700F	22	۰. ۴	<1	490	· <1	- 1	<10 <10	8.5	267	כת - כח 5
1-11650N-90725F	8	- 5	<1	810	<1	1	<10	2.8	3	<0.5
-11650N-90750F	6	1	<1	960	<1	<1	<10	1.0	4	<0.5
-11650N-90800F	7	7	<1	790	<1		<10	4 4	79	<0.5
L-11650N-90825E	7	<1	<1	1930	<1	<1	<10	<0.5	9	<0.5
L-11650N-90850E	6	<1	<1	900	<1	<1	<10	<0.5	<3	0.6
L-11650N-90875E	<5	<1	<1	1010	<1	<1	<10	<0.5	<3	<0.5
I-11650N-90900F	<5	1	<1	1140	 <1	<1	<10	<0.5	<3	<0.5
L-11650N-90925E	5	2	<1	890	<1	<1	<10	1.1	50	<0.5
L-11650N-90950E	27	9	<1	420	<1	2	<10	11.6	1540	<0.5
L-11650N-90975E	<5	<1	<1	1030	<1	<1	<10	<0.5	<3	<0.5
L-11650N-91000E	5	<1	<1	1170	<1	<1	<10	<0.5	<3	<0.5
L-11650N-91025E	15	4	<1	1870	<1	<1	<10	3.8	46	<0.5
L-11650N-91050E	9	3	<1	960	<1	<1	<10	4.3	47	<0.5
L-11650N-91075E	9	1	<1	2400	<1	<1	<10	<0.5	6	<0.5
L-11650N-91125E	8	<1	<1	2380	<1	<1	<10	<0.5	10	<0.5
L-11650N-91150E	11	<1	<1	2190	<1	<1	<10	<0.5	20	<0.5
L-09900N-90525E	28	8	<1	340	<1	2	<10	13.0	1300	<0.5
L-09900N-90500E	28	31	<1	540	<1	5	<10	12.3	96	<0.5
L-09900N-90350E	6	2	<1	380	<1	<1	<10	1.0	12	<0.5
L-09900N-90300E	21	8	<1	360	<1	1	<10	5.4	225	<0.5
L-09700N-90525E	13	3	<1	580	<1	<1	<10	5.1	782	<0.5
L-09700N-90500E	32	11	<1	290	<1	2	<10	24.3	1260	<0.5
L-09700N-90475E	20	5	<1	440	<1	1	<10	8.6	245	<0.5
L-09700N-90450E	59	52	<1	760	<1	11	<10	14.5	104	<0.5
L-09800N-90500	16	4	<1	540	<1	1	<10	6.9	196	<0.5
L-09800N-90475	34	7	<1	730	<1	1	<10	14.3	1180	<0.5
L-09800N-90450	24	9	<1	510	<1	2	<10	13.4	376	<0.5
L-09800N-90425	36	4	<1	350	<1	<1	<10	18.9	1510	<0.5
L-09800N-90400	11	3	<1	620	<1	<1	<10	5.2	895	<0.5
L-09800N-90375	36	6	<1	360	2	1	<10	20.8	1530	<0.5
L-09800N-90350	23	7	<1	380	<1	1	<10	14.5	1070	<0.5

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Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152

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Element Method Det.Lim. Units	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	TI MMI-M5 0.5 PPB
L-09800N-90325	26	9	<1	290	<1	2	<10	12.1	747	<0.5
L-09800N-90300	36	10	<1	220	<1	2	<10	26.0	939	<0.5
L-10100N-90000E	14	5	<1	680	<1	1	<10	6.5	224	<0.5
L-10100N-90025E	6	4	<1	1540	<1	2	<10	1.9	<3	<0.5
L-10100N-90050E	19	7	<1	780	<1	1	<10	6.5	108	<0.5
L-10100N-90075E	24	6	<1	610	<1	1	<10	5.0	245	<0.5
L-10100N-90100E	24	14	<1	480	<1	2	<10	11.3	1290	<0.5
L-10100N-90125E	9	2	<1	750	<1	<1	<10	3.8	365	<0.5
L-10100N-90150E	29	9	<1	320	<1	2	<10	13.3	914	<0.5
L-10100N-90175E	28	8	<1	360	<1	1	<10	13.4	1240	<0.5
L-10100N-90200E	11	3	<1	550	<1	<1	<10	5.3	380	<0.5
L-10100N-90225E	17	6	<1	300	<1	1	<10	10.4	258	<0.5
L-10100N-90250E	14	9	<1	530	<1	2	<10	10.4	98	<0.5
L-10100N-90275E	11	8	<1	720	<1	2	<10	9.1	31	<0.5
L-10100N-90450E	16	6	<1	410	<1	1	<10	7.8	603	<0.5
L-10100N-90475E	13	8	<1	550	<1	2	<10	8.0	109	<0.5
L-10100N-90500E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10000N-90150E	28	10	<1	180	<1	2	<10	23.4	2160	<0.5
L-10000N-90175E	30	18	<1	500	<1	4	<10	11.5	506	<0.5
L-10000N-90200E	20	14	<1	530	<1	3	<10	11.2	1020	<0.5
L-10000N-90225E	11	3	<1	530	<1	<1	<10	3.9	455	<0.5
L-10000N-90250E	10	4	<1	460	<1	<1	<10	4.8	690	<0.5
L-10000N-90275E	10	4	<1	470	<1	<1	<10	5.2	781	<0.5
L-10000N-90450E	13	2	<1	350	<1	<1	<10	6.5	394	<0.5
L-10000N-90475E	29	5	<1	250	<1	<1	<10	14.2	850	<0.5
L-10000N-90500E	<5	1	<1	630	<1	<1	<10	0.8	<3	<0.5
*Dup L-11650N-90300E	32	16	<1	420	<1	3	<10	30.7	925	<0.5
*Dup L-11650N-90600E	9	2	<1	970	<1	<1	<10	6.3	102	<0.5
*Dup L-11650N-90925E	5	1	<1	930	<1	<1	<10	0.7	32	<0.5
*Dup L-09900N-90300E	23	9	<1	380	<1	2	<10	5.5	181	<0.5
*Dup L-09800N-90325	28	9	<1	330	<1	2	<10	10.3	778	<0.5
*Dup L-10100N-90250E	14	9	<1	490	<1	2	<10	9.4	110	<0.5
*Dup L-10000N-90475E	29	5	<1	270	<1	<1	<10	13.3	956	<0.5
*Std MMISRM14	8	3	<1	520	<1	<1	<10	20.9	<3	<0.5
*Std MMISRM14	9	3	<1	530	<1	<1	<10	22.1	<3	<0.5
*BIk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim.	1 DDB	1 DDB	5 DDB	1 000	20 DDB	5
	FFD 44	FFD 4	ГГ <u>Р</u> 02	гг <b>р</b> 7		17
L-11650N-90300E	11	1	93	1	90	47
L-11050N-90323E	20	 	420	აა ი	00 20	13
L-11050N-90350E	0	> ••	23	3	30	0
L-11050N-90375E	0	>	50	3	80	01
L-11050N-90400E	1	>	54	4	<20	18
L-11050N-90425E	13	<b>ا</b> ؟ اب	117	9	-20 -20	28
L-11050N-90450E	5	> ^	11	0 -	<20	5> ۲۰
L-11650N-90475E	12	1	89	1	210	51
L-11650N-90500E	/	2	44	3	40	38 -
L-1165UN-90525E	3	<1	//	6	40	(
L-1165UN-9055UE	1	[>	55	4	40	21
L-11650N-90575E	1	<1	56	5	30	25
L-1165UN-906UUE	5	<1	38	3	90	18
L-11650N-90625E	15	<1	126	9	50	13
L-11650N-90650E	6	<1	43	3	250	34
L-11650N-90675E	6	<1	51	4	320	46
L-11650N-90700E	6	<1	31	2	30	18
L-11650N-90725E	6	<1	49	4	30	<5
L-11650N-90750E	5	<1	18	2	20	<5
L-11650N-90800E	11	<1	52	3	20	9
L-11650N-90825E	71	<1	13	<1	890	6
L-11650N-90850E	34	<1	5	<1	160	<5
L-11650N-90875E	17	<1	17	2	30	<5
L-11650N-90900E	12	<1	31	2	30	<5
L-11650N-90925E	3	<1	19	1	150	<5
L-11650N-90950E	7	<1	54	5	50	28
L-11650N-90975E	12	<1	9	1	500	<5
L-11650N-91000E	19	<1	14	1	30	<5
L-11650N-91025E	43	<1	27	2	150	12
L-11650N-91050E	32	<1	20	1	20	9
L-11650N-91075E	31	<1	25	2	230	<5
L-11650N-91125E	52	<1	11	<1	430	6
L-11650N-91150E	39	<1	16	<1	290	8
L-09900N-90525E	5	<1	61	4	190	42
L-09900N-90500E	14	<1	172	10	80	26
L-09900N-90350E	4	<1	16	1	50	8
L-09900N-90300E	5	<1	38	3	50	13
L-09700N-90525E	4	<1	21	2	60	20
L-09700N-90500E	14	<1	57	5	40	58
L-09700N-90475E	6	<1	31	3	70	20
L-09700N-90450E	29	<1	301	23	30	28
L-09800N-90500	4	<1	38	5	120	13
L-09800N-90475	6	<1	38	4	600	38
L-09800N-90450	6	<1	43	3	50	27
L-09800N-90425	7	<1	24	2	870	60
L-09800N-90400	3	<1	18	1	540	24
L-09800N-90375	5	4	30	3	1010	54
L-09800N-90350	6	2	43	3	60	40

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Element	U	W	Y	Yb	Zn	n Zr		
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5		
Det.Lim.	1	1	5	1	20	5		
Units	РРВ	РРВ	РРВ	РРВ	РРВ	РРВ		
L-09800N-90325	9	1	83	4	80	35		
L-09800N-90300	12	<1	47	5	70	61		
L-10100N-90000E	4	<1	33	3	40	11		
L-10100N-90025E	2	<1	55	7	40	<5		
L-10100N-90050E	9	<1	41	4	20	13		
L-10100N-90075E	9	<1	48	5	120	15		
L-10100N-90100E	8	1	65	5	40	32		
L-10100N-90125E	4	<1	13	1	40	16		
L-10100N-90150E	6	<1	46	4	70	40		
L-10100N-90175E	6	<1	44	3	90	55		
L-10100N-90200E	4	<1	16	1	410	20		
L-10100N-90225E	7	<1	32	3	30	25		
L-10100N-90250E	4	<1	63	4	<20	14		
L-10100N-90275E	11	<1	58	4	40	12		
L-10100N-90450E	4	<1	32	2	160	24		
L-10100N-90475E	19	<1	61	5	40	15		
L-10100N-90500E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.		
L-10000N-90150E	9	<1	55	5	40	68		
L-10000N-90175E	19	<1	122	9	180	28		
L-10000N-90200E	8	<1	94	6	600	28		
L-10000N-90225E	4	<1	18	1	200	17		
L-10000N-90250E	3	<1	16	1	70	18		
L-10000N-90275E	4	<1	27	2	400	20		
L-10000N-90450E	4	<1	13	1	60	24		
L-10000N-90475E	6	<1	27	2	60	37		
L-10000N-90500E	9	<1	11	<1	50	6		
*Dup L-11650N-90300E	10	1	81	6	60	42		
*Dup L-11650N-90600E	3	<1	23	2	80	8		
*Dup L-11650N-90925E	2	<1	18	1	90	<5		
*Dup L-09900N-90300E	5	<1	45	4	70	13		
*Dup L-09800N-90325	10	<1	80	5	80	35		
*Dup L-10100N-90250E	4	<1	59	4	20	13		
*Dup L-10000N-90475E	6	1	26	2	70	38		
*Std MMISRM14	35	<1	9	<1	260	15		
*Std MMISRM14	35	<1	9	<1	490	15		
*BIK BLANK	<1	<1	<5	<1	<20	<5		
*BIk BLANK	<1	<1	<5	<1	<20	<5		

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# **Certificate of Analysis**

Work Order: 095337

Date: Oct 18, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	88
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 16
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 88 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient Sample = No result
	*INF = Composition of this sample makes detection im <i>M</i> after a result denotes ppb to ppm conversion, % denote	ossible by this method
	Methods marked with an asterisk (e.g. *NAA08V) were sub	contracted
	Subject to SGS Gene	al Terms and Conditions

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Element Method Det Lim	Ag MMI-M5 1	Al MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11300N-90175E	11	94	40	0.2	1600	<1	90	7	73	101
L-11300N-90200E	21	66	30	0.2	1550	<1	110	10	134	87
L-11300N-90225E	17	149	20	0.3	1390	<1	130	18	87	100
L-11300N-90250E	19	95	10	0.2	3650	<1	160	24	213	97
L-11300N-90275E	42	112	<10	0.2	1280	<1	210	23	79	75
L-11300N-90300E	11	43	10	0.2	2780	<1	240	6	49	89
L-11300N-90325E	21	20	20	14.4	1890	<1	270	11	145	61
L-11300N-90350E	8	49	40	0.2	1530	<1	210	4	298	114
L-11300N-90375E	6	78	30	0.2	2840	<1	100	3	435	172
L-11300N-90400E	12	48	20	0.2	2950	<1	110	4	93	50
L-11300N-90425E	11	54	20	0.2	3720	<1	170	4	85	71
L-11300N-90450E	7	29	20	0.5	4650	<1	150	2	412	28
L-11450N-90075E	26	45	20	0.4	3650	<1	310	11	38	45
L-11450N-90100E	14	49	<10	0.4	2830	<1	260	11	74	29
L-11450N-90125E	11	95	<10	0.1	3950	<1	240	96	57	181
L-11450N-90150E	12	87	20	0.1	2020	<1	180	23	173	240
L-11450N-90175E	16	113	30	<0.1	2280	<1	130	11	130	82
L-11450N-90200E	19	72	20	0.2	1740	<1	190	11	105	46
L-11450N-90225E	20	38	20	<0.1	2830	<1	190	7	40	52
L-11450N-90250E	11	191	30	<0.1	3510	<1	90	15	161	124
L-11450N-90275E	20	82	30	<0.1	3010	<1	100	9	63	131
L-11450N-90300E	14	47	<10	<0.1	3600	<1	340	26	47	43
L-11450N-90325E	20	108	20	<0.1	2810	<1	150	14	89	141
L-11450N-90350E	11	53	20	0.8	4030	<1	110	5	76	68
L-11450N-90375E	19	63	<10	<0.1	3770	<1	240	16	60	65
L-11450N-90400E	19	94	30	<0.1	3610	<1	150	6	61	86
L-11450N-90425E	22	87	20	<0.1	2850	<1	140	10	54	72
L-11450N-90450E	17	18	20	0.1	2460	<1	270	8	115	134
L-11450N-90475E	24	58	10	0.4	2210	<1	290	11	18	74
L-11450N-90500E	20	70	<10	<0.1	3250	<1	180	4	120	49
L-11450N-90525E	19	59	10	<0.1	3190	<1	180	7	56	121
L-11450N-90550E	5	103	10	<0.1	1630	<1	210	15	48	201
L-11450N-90575E	13	42	20	0.2	2080	<1	170	5	102	108
L-11450N-90600E	10	48	20	0.3	2190	<1	160	7	339	90
L-11450N-90625E	6	49	10	0.3	2510	<1	150	1	102	74
L-11450N-90650E	3	86	<10	<0.1	1880	<1	210	18	49	82
L-11450N-90675E	15	63	<10	<0.1	1410	<1	300	17	42	106
L-11450N-90700E	8	125	30	<0.1	4340	<1	110	7	161	81
L-11450N-90725E	9	76	20	<0.1	5200	<1	200	7	87	125
L-11450N-90750E	14	45	30	<0.1	2350	<1	210	5	167	63
L-11450N-90775E	9	63	20	<0.1	1820	<1	270	16	75	144
L-11450N-90800E	2	16	<10	<0.1	830	<1	420	37	12	44
L-11450N-90825E	5	23	90	0.1	830	<1	250	9	75	298
L-11450N-90850E	5	43	40	0.1	1030	<1	310	16	132	109
L-11250N-90125E	38	5	<10	1.0	3470	<1	550	15	10	69
L-11250N-90150E	21	17	10	0.6	1120	<1	320	8	199	49
L-11250N-90175E	17	29	20	0.4	2050	<1	250	2	70	85
L-11250N-90200E	12	7	<10	0.3	4430	<1	200	3	50	58
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Element Method Det.Lim.	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11250N-90225E	11	26	10	0.4	3870	<1	190	4	128	80
L-11250N-90250E	15	57	20	0.2	2030	<1	160	9	71	60
L-11250N-90275E	3	51	30	0.3	1830	<1	130	3	166	91
L-11250N-90300E	12	66	30	0.2	1940	<1	160	5	78	179
L-11250N-90325E	17	40	<10	0.2	2160	<1	250	2	27	23
L-11250N-90350E	18	66	20	0.2	2280	<1	130	4	203	78
L-11250N-90375E	10	52	20	0.2	3270	<1	150	5	48	216
L-11250N-90400E	17	57	<10	0.3	1640	<1	140	4	163	37
L-11250N-90425E	6	22	<10	<0.1	5310	<1	240	3	46	30
L-11250N-90450E	19	103	30	<0.1	2210	<1	140	4	70	76
L-11050N-90225E	14	6	<10	0.4	1130	<1	330	4	96	50
L-11050N-90250E	17	20	10	0.1	2350	<1	230	5	191	106
L-11050N-90275E	21	42	10	<0.1	5420	<1	180	3	69	64
L-11050N-90300E	12	128	20	<0.1	3430	<1	160	16	74	71
L-11050N-90325E	10	80	20	0.1	4370	<1	150	6	154	78
L-11050N-90350E	14	61	20	<0.1	8100	<1	190	6	111	124
L-11050N-90375E	9	77		0.5	4760	<1	110	3	168	78
L-11050N-90400E	146	108	50	<0.1	4290	<1	110	4	82	110
L-11050N-90425E	44	38	20	0.3	2110	<1	190	3	45	82
I-11050N-90450F	7	61	50	0.2	1790	<1	110	- 4	82	101
L-11000N-90250E	41	3	10	1.8	360	<1	60	1	<5	14
L-11000N-90275E	55	4	<10	1.1	1590	<1	340	6	54	116
I-11000N-90300F	13	49	10	0.1	3070	<1	330	- 16	45	56
L-11000N-90325E	14	68	10	<0.1	5060	<1	210	 6	59	86
1-11000N-90350F	20	26	20	0.1	2800	<1	220	7	29	99
I -11000N-90375F		138	770	0.2	2110	<1		16		326
1-11000N-90400F		123	30	<0.1	3780	<1	140	10	73	114
1-11000N-90425F	13	58	20	0.1	4890	<1	120	3	99	93
1-11000N-90450F	15	8	 <10	0.2	6230	<1	420	3	24	153
L-11100N-90200F	33	4	. د 10	0 1 N	1210	<1	350		37	101
L-11100N-90225F	q	8	<10 <10	1.0 0.2	3080	<1	260	3	147	71
L-11100N-90250F	23	34	<10	0.2	5230	<1	200	о 6	41	64
L-11100N-90275E	14	46	<10	0.0 <0.1	4380	 <1	200	6		59
-11100N-90300F	19		20	~0.1 <0.1	3970	<1	200	7	20	114
L-11100N-90325F	7	119	20 30	-0.1 <0.1	3900	י- <1	200 90	11		250
L-11100N-90350F	10	99	40	<0.1	4230	-' <1	110	2	104	91
L_11100N_90375F	19	78	30	<0.1	4610	<1	130	-	0-1 0-1	100
L-11100N-90400F	20	88	40	-0.1 0.2	3280	<1	160	- 6	57 57	87
L_11100N_90/25E	12	137		∠.د <01	2870	<1	100	4	112	108
L-11100N-90450E	16	107 Q1	20	-0.1 <0.1	3600	، - ح1	180	ד 7	112	110
*Dup L_11300N_90175E	11	07 07	20	-0.1	1820	ا - 1	00 00	7	64	96
*Dup L-11450N-90075E	25	20 28	20	0.1	31/10	ا - <1	260	، 12	0+ 31	50
*Dup L 11450N 90375E	10	JU //	20 ~10	0.4 <0.1	3720	ا ~ 1	200	12	54	56
*Dup 1-11450N-90575E	1 J 1 A	44 52	>10 ~10	~∪.1 ∩ 1	1620	ا ~ 1-	200 260	12 10	بەر 12	JU 108
*Dup L-11250N-002255	14 0	52 76	10	0.1	2200		200	ט. ר	42 127	100 67
*Dup L-11050N-90225E	19	20 16	20	-0.1	5360	-1	130	Л	70	63 10
*Dup L 11000N 903505	10	40 20	∠∪ ວ∩	-0.1 -0.1	2200		011 040	4 6	ט <i>ז</i> 20	03
*Dup L-11100N-9030E	10 21	29 00	∠U 20	>∪.1 ∠0.1	J∠OU /120	>   /1	240 140	U A	ວປ ດວ	94 110
Dup 1-1110019-903/3E	<b>∠1</b>	00	ა <b>ს</b>	<b>∿</b> ∪.1	4120	<b>~</b>	140	4	90	118

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	AI MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
*Std MMISRM14	17	47	10	41.8	110	<1	270	7	19	47
*Std MMISRM14	17	38	10	41.7	90	<1	240	7	17	47
*Std MMISRM14	17	38	10	43.1	110	<1	240	7	18	49
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Det.Lim. Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-11300N-90175E	300	190	8	3.8	2.1	83	9	36	<5	34
L-11300N-90200E	200	220	- 10	5.3	2.6	63	12	39	<5	40
L-11300N-90225E	200	190	11	5.0	2.5	78	11	26	<5	33
L-11300N-90250E	100	230	29	13.8	9.2	62	38	100	<5	69
L-11300N-90275E	100	200	14	7.2	3.0	56	15	32	<5	29
L-11300N-90300E	100	230	6	3.1	1.3	47	7	21	<5	91
L-11300N-90325E	<100	270	9	4.4	2.2	29	11	24	<5	87
L-11300N-90350E	200	220	14	6.6	4.1	55	18	43	<5	47
L-11300N-90375E	300	260	22	10.6	6.5	60	28	80	<5	53
L-11300N-90400E	100	230	11	5.2	2.6	30	13	35	<5	43
L-11300N-90425E	100	250	8	3.9	2.0	37	10	28	<5	58
L-11300N-90450E	100	300	50	20.9	15.0	32	68	209	<5	100
L-11450N-90075E	<100	260	5	2.5	1.3	42	6	18	<5	75
L-11450N-90100E	<100	300	15	7.5	3.8	30	19	38	<5	131
L-11450N-90125E	<100	420	8	5.1	1.1	47	7	14	<5	61
L-11450N-90150E	100	740	18	10.0	4.2	145	21	61	<5	84
L-11450N-90175E	200	180	12	5.9	3.3	72	15	50	<5	36
L-11450N-90200E	100	260	14	6.1	3.5	37	17	37	<5	52
L-11450N-90225E	<100	120	5	2.5	1.0	36	6	18	<5	28
L-11450N-90250E	400	170	17	8.5	3.7	133	19	57	6	41
L-11450N-90275E	200	170	6	2.9	1.5	60	7	27	<5	42
L-11450N-90300E	<100	80	5	2.5	1.1	39	6	18	<5	72
L-11450N-90325E	300	130	9	4.6	2.1	81	11	35	<5	40
L-11450N-90350E	<100	160	10	5.3	2.2	40	11	30	<5	91
L-11450N-90375E	<100	180	10	4.8	2.0	40	11	30	<5	95
L-11450N-90400E	200	190	7	3.7	1.7	64	9	27	<5	44
L-11450N-90425E	100	100	7	3.6	1.5	44	8	26	<5	28
L-11450N-90450E	<100	240	11	5.7	2.6	19	13	25	<5	150
L-11450N-90475E	<100	120	2	1.2	0.6	37	3	8	<5 	55
L-11450N-90500E	<100	120	29	13.9	5.6	26	31	55	<5	79
L-11450N-90525E	<100	150	8	3.9	1.9	41	10	28	<5	123
L-11450N-90550E	100	120	7	3.5	1.5	82	8	19	<5	105
L-11450N-90575E	<100	160	10	5.3	2.7	39	13	29	<5	123
L-11450N-90600E	200	180	23	10.9	5.3	42	26	63	<5	98
L-11450N-90625E	100	140	17	8.2	3.6	28	20	39	<5	72
L-11450N-90650E	<100	150	12	9.2	1.5	31	10	15	<5	58
L-11450N-90675E	<100	240	5	2.6	0.9	45	6	14	<5	95
L-11450N-90700E	200	180	15	7.8	3.1	83	19	/4	<5 -	81
L-11450N-90725E	100	110	10	5.2	1.8	61	11	36	<5	/2
L-11450N-90750E	<100	180	31	15.8	5.4	36	41	111	<5	97
L-11450N-90775E	100	270	20	10.8	3.0	42	23	42	رم اعد	134
L-11450N-90800E	<100	540	14	9.4	2.0	/ 50	13	9	10 1	100
L-1145UN-90823E	<100	1/40	12	/.0	2.6	52	16	43	21	1U2 جەن
L-1140UN-90800E	<100	1290	12	42.1	12.4	40	81	115	10	117
L-1120UN-90120E	<100	890	9	4.9	1.4	3	9	3 104	13	1/9
L-11200N-90100E	<100 400	450	41 7	19.3	12.2	21	00	104	<5 جد	113
L-1120UN-901/0E	100	170	/ F	3.1 2.4	1.6	34 11	ک م	19	<5 ~F	56
L-1123UN-90200E	<100	250	5	2.4	1.1	11	b	12	<5	96

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5	Eu MMI-M5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5	Mg MMI-M5 1
Det.Lim. Unite	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
1-11250N-90225F	100	290	10	4.8	22	32	11	30	<5	74
I -11250N-90250F	200	170	6	 3 0	1.5	58	7	23	<5	36
I -11250N-90275F	200	150	7	2.9	1.6	48	8	28	<5	35
1-11250N-90300F	200	180	7	3.4	1.5	63	8	24	<5	56
1-11250N-90325E	<100	150	7	3.9	1.6	24	7	10	<5	75
	200	290	21	9.5	54	53	26	87	<5	57
I -11250N-90375F	200	340	5	2.6	1 0	152		23	<5	66
L-11250N-90400E	<100	160	31	14.6	8.2	24	40	68	<5	27
L-11250N-90425E	<100	90	5	2.5	1.1	 21	6	22	<5	: 64
L-11250N-90450E	200	210	10	5.1	2.2	83	11	35	<5	34
I-11050N-90225E	<100	470	45	20.9	12.9	9	60	75	<5	129
L-11050N-90250E	100	270	12	5.6	2.8	21	13	25	<5	105
L-11050N-90275E	100	160	6	3.3	1.3	33	8	24	<5	52
L-11050N-90300E	300	160	8	3.8	1.8	88	9	36	6	35
L-11050N-90325E	200	120	- 12	5.9	2.8	68	- 14	37	<5	65
L-11050N-90350E	100	200	11	5.9	2.6	60	13	42	<5	58
L-11050N-90375E	200	130	12	6.0	3.3	60	16	77	<5	57
L-11050N-90400E	300	170	8	3.6	1.8	81	9	37	<5	50
L-11050N-90425E	<100	210	5	2.7	1.2	37	6	15	<5	43
L-11050N-90450E	200	170	7	3.7	1.8	59	9	25	<5	75
L-11000N-90250E	<100	1330	<1	<0.5	<0.5	1	<1	<1	11	177
L-11000N-90275E	<100	760	30	14.0	9.1	5	46	48	<5	121
L-11000N-90300E	<100	120	10	5.6	2.2	21	12	22	<5	61
L-11000N-90325E	100	140	8	3.8	1.7	52	9	27	<5	49
L-11000N-90350E	<100	1170	3	1.6	0.6	171	4	15	<5	51
L-11000N-90375E	300	260	6	3.2	1.0	144	6	13	7	63
L-11000N-90400E	300	190	8	4.0	1.8	93	9	32	<5	54
L-11000N-90425E	200	310	14	7.3	3.1	48	16	44	<5	85
L-11000N-90450E	<100	360	3	1.6	<0.5	17	3	9	<5	77
L-11100N-90200E	<100	870	20	10.5	5.4	6	29	26	<5	115
L-11100N-90225E	<100	260	21	10.0	5.6	9	27	48	<5	106
L-11100N-90250E	<100	220	4	2.3	0.8	33	5	14	<5	68
L-11100N-90275E	<100	140	4	2.0	0.6	32	4	11	<5	65
L-11100N-90300E	100	190	4	2.0	0.6	72	4	15	<5	69
L-11100N-90325E	200	200	9	4.6	1.7	84	10	29	<5	40
L-11100N-90350E	200	150	8	3.9	2.1	67	10	47	<5	57
L-11100N-90375E	200	210	10	4.8	2.3	70	11	36	<5	43
L-11100N-90400E	200	200	7	3.1	1.7	74	8	27	<5	34
L-11100N-90425E	200	170	12	5.9	3.0	80	13	48	<5	45
L-11100N-90450E	100	6530	15	6.3	3.5	77	19	53	<5	46
*Dup L-11300N-90175E	200	170	7	3.5	1.7	78	8	27	<5	37
*Dup L-11450N-90075E	<100	240	5	2.2	1.0	42	5	13	<5	60
*Dup L-11450N-90375E	<100	170	9	4.0	1.8	36	10	27	<5	71
*Dup L-11450N-90675E	<100	230	5	2.8	0.9	45	6	14	<5	72
*Dup L-11250N-90225E	100	250	10	5.2	2.4	32	11	31	<5	79
*Dup L-11050N-90275E	100	230	7	3.3	1.6	38	8	26	<5	52
*Dup L-11000N-90350E	100	760	3	1.8	0.6	147	4	15	<5	56
*Dup L-11100N-90375E	200	260	12	5.6	2.7	76	13	37	<5	43

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
*Std MMISRM14	<100	740	2	0.8	0.9	2	4	4	<5	43
*Std MMISRM14	<100	700	2	0.6	0.8	2	3	3	<5	33
*Std MMISRM14	<100	750	2	0.7	0.7	3	4	3	<5	33
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Мо ММІ-М5 5	Nb MMI-M5	Nd MMI-M5 1	Ni MMI-M5	Pb MMI-M5 10	Pd MMI-M5 1	Pr MMI-M5 1	Pt MMI-M5 1	Rb MMI-M5 5	Sb MMI-M5 1
Det.Lim. Unite	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
I -11300N-90175F	13	3.3	36	494	80	<1	9	<1	107	<1
L-11300N-90200E	7	4.2	44	822	70	<1	11	<1	157	<1
L-11300N-90225E	10	4.5	37	538	110	<1	9	<1	163	<1
L-11300N-90250E	7	4.0	136	1510	90	<1	32	<1	137	<1
L-11300N-90275E	6	2.5	45	984	60	<1		<1	117	<1
L-11300N-90300E	6	1.5	23	991	60	<1	6	<1	86	<1
L-11300N-90325E	5	0.9	34	1060	50	<1	8	<1	71	<1
L-11300N-90350E	- 10	2.2	61	533	30	<1	- 14	<1	80	<1
L-11300N-90375E	8	2.8	106	736	80	<1	25	<1	114	1
L-11300N-90400E	6	1.3	44	199	40	<1	10	<1	97	<1
L-11300N-90425E	6	1.4	33	360	50	<1	8	<1	127	<1
L-11300N-90450E	7	2.1	245	561	20	<1	58	<1	70	<1
L-11450N-90075E	7	1.5	23	1020	50	<1	5	<1	125	<1
L-11450N-90100E	8	2.4	55	620	40	<1	12	<1	79	<1
L-11450N-90125E	10	2.2	20	2330	20	<1	5	<1	106	<1
L-11450N-90150E	12	4.9	76	1360	50	<1	19	<1	75	<1
L-11450N-90175E	9	4.4	56	650	90	<1	14	<1	133	<1
L-11450N-90200E	7	1.6	53	771	50	<1	12	<1	94	<1
L-11450N-90225E	6	1.4	20	266	40	<1	5	<1	89	<1
L-11450N-90250E	11	5.9	71	1240	130	<1	18	<1	67	<1
L-11450N-90275E	8	2.2	27	530	60	<1	7	<1	128	<1
L-11450N-90300E	6	0.9	21	614	70	<1	5	<1	42	<1
L-11450N-90325E	8	3.3	41	657	90	<1	10	<1	130	<1
L-11450N-90350E	6	2.6	38	877	70	<1	9	<1	86	<1
L-11450N-90375E	5	2.3	35	881	70	<1	8	<1	110	<1
L-11450N-90400E	6	2.5	29	598	90	<1	7	<1	100	<1
L-11450N-90425E	5	2.1	31	402	70	<1	8	<1	184	<1
L-11450N-90450E	<5	<0.5	36	1420	50	<1	8	<1	49	<1
L-11450N-90475E	5	0.8	10	240	40	<1	2	<1	107	<1
L-11450N-90500E	6	1.6	83	570	90	<1	18	<1	100	<1
L-11450N-90525E	6	1.4	31	1130	80	<1	8	<1	100	<1
L-11450N-90550E	8	2.8	24	2010	110	<1	6	<1	127	<1
L-11450N-90575E	6	1.7	42	448	50	<1	9	<1	108	<1
L-11450N-90600E	6	2.2	87	570	60	<1	20	<1	112	<1
L-11450N-90625E	7	1.3	60	269	40	<1	14	<1	83	<1
L-11450N-90650E	5	0.7	22	869	130	<1	5	<1	113	<1
L-11450N-90675E	7	2.5	18	1100	70	<1	4	<1	125	<1
L-11450N-90700E	9	6.7	73	968	110	<1	19	<1	110	<1
L-11450N-90725E	6	5.5	38	773	90	<1	10	<1	137	<1
L-11450N-90750E	7	3.6	143	807	40	<1	35	<1	98	<1
L-11450N-90775E	9	3.9	64	1850	60	<1	14	<1	142	<1
L-11450N-90800E	10	<0.5	19	5800	<10	<1	4	<1	37	<1
L-11450N-90825E	21	6.2	56	2990	40	<1	13	<1	67	2
L-11450N-90850E	12	2.7	194	7580	40	<1	42	<1	61	<1
L-11250N-90125E	7	<0.5	9	910	40	<1	1	<1	22	<1
L-11250N-90150E	<5	<0.5	173	2320	30	<1	37	<1	43	<1
L-11250N-90175E	12	1.6	27	823	40	<1	6	<1	112	<1
L-11250N-90200E	8	2.3	17	575	20	<1	3	<1	30	<1

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Element Method	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5
Det.Lim. Unito	PPB	PPB								
01115 1_11250NL_90225E	6	·· 21	35	951	50		8		65	
L-11250N-90250E	5	2.1	27	521	50	י- <1	6	<1	110	<1
L-11250N-90275E	2 8	2.0	20	502	00	<1	7	 <1	64	 1>
L_11250N_90300F	7	2.2	20	1220	80	<1	7	י <1	103	۰۱ 1>
L-11250N-90325E	' 6	0.7	10	614	30	י- <1	، ۸	י۔ <1	92	<1
L_11250N_90350F	5	29	Q1	840	an	<1	22	<1	78	<1
L-11250N-90375F	10	2.0	23	1090	70	-' <1	6	 <1	65	 1>
L-11250N-90400E	10	1.1	118	1000	07 60	יד 1>	24	י- 1>	73	ا۔ 1>
L-11250N-90425E	<5	ייי ח מ	22	211	30	יי 1>	47; 5;	י۔ 1>	73 50	۱- 1>
L-11250N-90450F	11	5.2	22	682	80	י - <1	q	 <1	121	<1
L-11050N-90225E	<5	<0.2	150	1670	20	י- <1	28	 <1	25	-1
L-11050N-90250E	 6	-0.3 <0.5	40	1350	20 50	יר 1>	20	יר 1>	23 42	ור 1>
L_11050N_90275E	5	1 3		342	70	<1	6	י <1	۲ <u>-</u> 84	<1
L-11050N-90273E	с 8	1.5	20	/78	80	، - 1 -	0	-1 -1	160	-1
L-11050N-90325E	7	1.8	48	485	90 90	ا - 1>	11	יר 1>	133	ا - 1>
L-11050N-90350E		2.0	40	828	an	<1	11	 <1	100	 <1
L-11050N-00375E	8	2.2	יד 63	520	130	ا - 1 -	16	، - 1 -	84	-1
L-11050N-90400E	8	2.5	34	601	130 QA	ا > 1>	10: Q	יר 1>	04 05	ור 1>
L-11050N-90425E	<5	<0.7	20	621	50	<1	4	<1	00 QQ	<1
L-11050N-90450E	5	0.0	20	962	80	<1	7	<1	70	<1
L-11000N-90250E	<5	0.0 <0.5	1	2/10	20	<1	י 1>	<1	13	 1>
L-11000N-90235E		-0.5 <0.5	106	1290	10	י- <1	19	יי 1>	11	ا۔ 1>
1-11000N-90300F	8	<0.5	30	1020	80	' <1	6	<1	53	<1
L-11000N-90325E	8	2.5	31	581	100	<1	7	<1	80	<1
L-11000N-90350E	12	2.5	15	376	60	<1	4	<1	104	<1
L-11000N-90375E		5.3	17	1640	110	<1	4	<1	94	7
L-11000N-90400E	- 8	3.8	33	951	100	<1	8	<1	128	<1
L-11000N-90425E	5	1.5	53	804	80	<1	12	<1	66	<1
I-11000N-90450F	<5	<0.5	9	654	280	<1	2	<1	14	<1
L-11100N-90200E		<0.5	65	1290	<10	<1		<1	9	
L-11100N-90225E	<5	<0.5	77	838	20	<1	15	<1	33	<1
L-11100N-90250E	7	0.6	17	653	40	<1	4	<1	123	<1
L-11100N-90275E	<5	<0.5	13	320	60	<1	3	<1	125	<1
L-11100N-90300E	7	2.8	15	413	70	<1	4	<1	163	<1
L-11100N-90325E	10	2.2	35	794	140	<1	9	<1	40	<1
L-11100N-90350E	9	4.0	45	756	100	<1	11	<1	128	<1
L-11100N-90375E	8	4.8	41	588	90	<1	10	<1	178	<1
L-11100N-90400E	8	2.3	30	473	90	<1	7	<1	103	<1
L-11100N-90425E	7	3.9	51	592	100	<1	13	<1	105	<1
L-11100N-90450E	6	4.6	58	630	60	<1	13	<1	144	<1
*Dup L-11300N-90175E	10	2.3	30	461	80	<1	8	<1	106	<1
*Dup L-11450N-90075E	7	1.0	19	951	50	<1	4	<1	107	<1
*Dup L-11450N-90375E	<5	1.7	31	756	70	<1	7	<1	98	<1
*Dup L-11450N-90675E	7	2.2	19	1080	70	<1	4	<1	126	<1
*Dup L-11250N-90225E	6	1.1	37	893	50	<1	9	<1	67	<1
*Dup L-11050N-90275E	5	1.9	27	389	90	<1	6	<1	86	<1
*Dup L-11000N-90350E	11	2.6	14	414	70	<1	4	<1	103	<1
*Dup L-11100N-90375E	7	5.8	45	695	100	<1	11	<1	175	<1

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb
Method	MMI-M5									
Det.Lim.	5	0.5	1	5	10	1	1	1	5	1
Units	PPB									
*Std MMISRM14	37	<0.5	13	290	110	46	2	<1	264	<1
*Std MMISRM14	36	<0.5	12	285	110	44	2	<1	262	<1
*Std MMISRM14	38	<0.5	13	297	120	48	2	<1	276	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	T MMI-M5
Det.LIM. Upite	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
1-11300N-90175E	36	8	1	220	<1	2	<10	15.4	724	<0.5
1-11300N-90200F	30	11	<1	300	<1	- 2	<10	15.1	555	<0.5
1-11300N-90225E	40	10	<1	200	<1	- 2	<10	15.2	944	<0.5
L-11300N-90250E	49	33	<1	450	<1	- 6	<10	17.7	750	<0.5
L-11300N-90275E	25	12	<1	200	<1	2	<10	13.9	383	<0.5
L-11300N-90300E	15	6	<1	490	<1	1	<10	7.7	316	<0.5
L-11300N-90325E	18	9	<1	490	<1	2	<10	9.4	109	<0.5
L-11300N-90350E	28	16	<1	370	<1	3	<10	17.5	400	<0.5
L-11300N-90375E	39	24	<1	330	<1	4	<10	17.7	726	<0.5
L-11300N-90400E	24	11	<1	410	<1	2	<10	10.5	255	<0.5
L-11300N-90425E	23	8	<1	390	<1	1	<10	10.9	273	<0.5
L-11300N-90450E	41	59	<1	820	<1	10	<10	15.7	690	<0.5
L-11450N-90075E	12	5	<1	720	<1	<1	<10	6.3	209	<0.5
L-11450N-90100E	23	15	<1	490	1	3	<10	10.5	438	<0.5
L-11450N-90125E	31	5	<1	770	<1	1	<10	8.4	339	<0.5
L-11450N-90150E	41	18	<1	420	<1	3	<10	22.2	910	<0.5
L-11450N-90175E	26	13	<1	280	<1	2	<10	15.8	1150	<0.5
L-11450N-90200E	20	14	<1	340	<1	3	<10	11.3	413	<0.5
L-11450N-90225E	7	5	<1	510	<1	<1	<10	6.6	327	<0.5
L-11450N-90250E	58	17	<1	180	<1	3	<10	32.4	1630	<0.5
L-11450N-90275E	17	6	<1	270	<1	1	<10	10.6	687	<0.5
L-11450N-90300E	10	5	<1	620	<1	<1	<10	7.0	176	<0.5
L-11450N-90325E	30	9	<1	330	<1	2	<10	15.9	756	<0.5
L-11450N-90350E	22	9	<1	380	<1	2	<10	11.7	870	<0.5
L-11450N-90375E	14	9	<1	660	<1	2	<10	8.4	674	<0.5
L-11450N-90400E	18	7	<1	410	<1	1	<10	11.2	803	<0.5
L-11450N-90425E	16	7	<1	390	<1	1	<10	8.6	657	<0.5
L-11450N-90450E	14	10	<1	880	<1	2	<10	10.0	174	<0.5
L-11450N-90475E	7	2	<1	820	<1	<1	<10	4.8	152	<0.5
L-11450N-90500E	41	23	<1	630	<1	5	<10	9.3	569	<0.5
L-11450N-90525E	13	8	<1	580	<1	2	<10	6.9	472	<0.5
L-11450N-90550E	15	6	<1	470	<1	1	<10	7.9	748	<0.5
L-11450N-90575E	15	11	<1	540	<1	2	<10	9.8	364	<0.5
L-11450N-90600E	46	21	<1	450	<1	4	<10	20.4	446	<0.5
L-11450N-90625E	24	16	<1	480	<1	3	<10	17.6	388	<0.5
L-11450N-90650E	10	6	<1	530	<1	2	<10	6.0	158	<0.5
L-11450N-90675E	11	5	<1	630	<1	<1	<10	8.6	274	<0.5
L-11450N-90700E	30	17	<1	430	<1	3	<10	24.4	1320	<0.5
L-11450N-90725E	15	9	<1	590	<1	2	<10	19.8	752	<0.5
L-11450N-90750E	13	37	<1	580	<1	6	<10	30.6	434	<0.5
L-11450N-90775E	21	18	<1	460	<1	3	<10	18.0	658	<0.5
L-11450N-90800E	<5	7	<1	710	<1	2	<10	2.0	19	<0.5
L-11450N-90825E	24	13	<1	370	<1	2	<10	24.3	515	0.6
L-11450N-90850E	51	59	<1	480	<1	13	<10	29.2	191	0.6
L-11250N-90125E	<5	4	<1	900	<1	1	<10	1.8	5	<0.5
L-11250N-90150E	30	46	<1	570	<1	8	<10	15.1	91	<0.5
L-11250N-90175E	15	7	1	630	<1	1	<10	11.4	164	<0.5
L-11250N-90200E	12	5	<1	700	<1	<1	<10	7.0	80	<0.5

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Element Method Det Lim	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	TI MMI-M5 0.5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-11250N-90225E	26	9	<1	740	<1	2	<10	12.2	279	<0.5
L-11250N-90250E	 22	6	<1	410	<1	1	<10	10.2	317	<0.5
1-11250N-90275E		7	<1	330	<1	1	<10	14.6	472	<0.5
1-11250N-90300E	21	6	<1	350	<1	1	<10	10.4	442	<0.5
L-11250N-90325E	- 15	5	<1	640	<1	1	<10	5.0	111	<0.5
-11250N-90350F	31	- 21	<1	530	<1	4	<10	15.7	1130	<0.5
1-11250N-90375E	27	 5	<1	470	<1	<1	<10	10.5	1010	 <0.5
1-11250N-90400F	 45	32	<1	430	<1	6	<10 <10	4 7	322	o.c ح10 5
1-11250N-90425E	12	5	<1	800	<1	ر <1	<10	4 7	326	<0.5
1-11250N-90450E	29	g	<1	300	<1	2	<10	12.5	1560	<0.0 <0.5
1-11050N-90225E	20	45	<1	910	<1	- 9	<10	11.5	27	0.5 <0 5
L-11050N-90250E	20	 11	<1	630	<1	2	<10	11.0	184	-0.0 <0 5
-11050N-90275E	 14	6	<1	580	<1	1	، ہ 10 <	8 D	494	o.c 1 5 (1)
L_11050N_90300E	۲-۱ 41	о Я	<1	470	<1	1	<10	13.7	 060	0.0 <0.5
L-11050N-90325E	41	12	<1	510	<1	2	<10 <10	13.7	492	-0.5 <0.5
L-11050N-90350E		11	، ہ 1>	950	ر اح 1>	2 2	<10 <10	13.1 Q N	402 605	-0.5 <0.5
L-11050N-90375E	23	12	 	500	-1	ב ר	-10 ~10	0.0 16.0	1170	-0.5 <0.5
L-11050N-90400E	20	7	-1 -1	180	ر ۲۱ اح	ے 1	<10 <10	10.0	1300	-0.5 <0.5
L-11050N-90400E	15	5	~1	400 550	-1	-1	<10	10.7	1000	~0.5
L-11050N-90423E	13	0	~1	270		ור 1	~10	4.0	242	~0.5
L-11030N-90430E	۲۱ ک ۲۰	0 1	>1 ~1	200	_ا < 1	۱ ۲-۱	-10 -10	0.5	342 0	-0.0 -0.5
L-11000N-90230E		22 22	>1 /1	290	>1 ~1	ا ~ م	<10 <10	~0.0 5.0	0 16	<0.0 <0.5
L-11000N-90273E	14	JJ 0	~1	600 600	~1	0 2	~10	3.0	10	~0.5
L-11000N-90300E	17	3	>1 -1	620	>1 >1	ے 1	>10 ~10	3.3	050	-0.0 -0.5
L-11000N-90323E	12	0	>1 -1	560	>1 ~1	ا 1-	<10 <10	0.0 5.0	000 574	-0.3 -0.5
	<b>ال</b> ار 14	Э Е	> I : 	000 410		<	>10 ~10	0.U 10.7	374 1000	-0.0 -0.5
L-11000N-90373E	41	D 0	۲۲ اح	410	_ا ؟ اح	ا ~ ۱	<10 ~10	10.7	1220	<0.0 <0.5
L-11000N-90400E	30	0	>1 -1	500	>1 ~1	ا د	<10 <10	10.0	1000	<0.0 <0.5
	40	ເວ າ	>1; ~1	1020	>1 >1	ر 1-	>10 ~10	10.8	000 17	~0.0 ~0.5
	0	ے محمد محمد محمد محمد م	> I 	1230	-1- 		>10 -10	2.4 محمد المحمد ا	∑ 1 ∠ • • • • • • • • • • • • • • • • • • •	0.0~ -0.5
L-11100N-90200E	ย <sub>ั</sub> วง	20	>1 -1	010	>I /1	4	<10 <10	4.1	10 70	>0.0 ∠0.5
L-11100N-90223E	2 I 10	20	>1; >4	000	N	4	>10 ~10	(.) / 7	100	~0.0 ~0.5
L-11100N-90250E	10	4	NI	090	: ۱۲ ۱۱۰	۱ ~ اد	<10 <10	4.7	109	<0.5 <0.5
L-11100N-90275E	12	ى 1	S   	960	<u>ا</u> ؟	~	-10 -10	2.1 F F	070	<0.0
L-11100N-90300E	17. 20	4	S   	200	۲۱. ۱۰	~ ר	≤10 ~10	0.0 11 7	0/0	<0.5 ∠0.5
L-11100N-90323E	20	0	۲ <b>۲</b>	390	, I ح اد د	2	<10 -10	11.7	1000	<0.5 -0.5
L-11100N-90350E	24	9	>	620	>	2	<10 <10	9.9	1320	<0.5
L-11100N-90375E	21	1U 7	: I الاس	490	: ۱ ×	۷	<10 <10	10.8	1300	<0.5 ∠0.5
L-11100N-90400E	20	1	51	010	۱ <i>۲</i>	1	-10 -10	0.4	120	<0.0
L-11100N-90423E	30	11	>	390	> 	2	<10 -10	13.0	1250	<0.5
L-11100N-90450E	23	15	>   -	690		ۍ ۱	<10 -10	13.0	1110	<0.5
Dup L-11300N-90175E	33	1		220	~	 	UI> -10	11.8	092	<0.5
"Dup L-11450N-90075E	1.5	4		000	[> 	< ] ^	-10 -10	4.7	193	0.5> ۵.۲
"Dup L-11450N-90375E	15	8	<1	680	<1	2	<10	6.2 7 ^	5/6	<u.5< td=""></u.5<>
Dup L-11450N-90075E	14	5	<1	6/U	<]	<1	<1U	1.3	245	<0.5
Dup L-11250N-90225E	25	10	<1	/10	<1	2	<10	14./	293	<0.5
Dup L-11050N-90275E	15	7	<1	580	<1	1	<10	9.9	564	<0.5
Dup L-11000N-90350E	15	3	<1	630	<1	<1	<10	6.6	553	<0.5
"Dup L-11100N-90375E	24	11	<1	440	<1	2	<10	13.4	1600	<0.5

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Element Method	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5	Te MMI-M5	Th MMI-M5	Ti MMI-M5	TI MMI-M5
Det.Lim.	5 PPB	1 PPB	1 PPB	10 PPB	1 PPB	1 PPB	10 PPB	0.5 PPB	3 PPB	0.5 PPB
*Std MMISRM14	5	4	<1	460	<1	<1	<10	18.7	5	<0.5
*Std MMISRM14	9	4	<1	470	<1	<1	<10	17.0	6	<0.5
*Std MMISRM14	9	4	<1	500	<1	<1	<10	18.7	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	0.7	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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DetLim. Units         I         1         5         1         20         5           L11300N-90175E         9         <1         37         3         60         41           L11300N-90226E         7         <1         60         4         70         37           L11300N-90226E         14         2         156         10         280         40           L11300N-90226E         14         2         156         30         22         80         111           L11300N-90236E         14         136         22         80         111           L11300N-9035E         14         168         5         30         22           L11300N-90436E         22         1         245         30         22           L11300N-90436E         22         1         245         30         22           L11450N-90100E         7         <1         29         2         10         10           L11450N-90100E         16         1         104         8         100         42           L11450N-90175E         8         2         33         4         100         42           L11450N-90175E         8	Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
L         1         37         3         80         41           L-11300N-9020E         7         -1         60         4         70         37           L-11300N-9020E         8         -1         48         4         130         400           L-11300N-9025E         8         -1         87         5         150         280         400           L-11300N-9030DE         3         1         36         2         80         111           L-11300N-9030DE         14         1         68         5         50         322           L-11300N-9037E         9         1         119         8         50         48           L-11300N-9040DE         7         <1         60         4         40         25           L-11430N-9045DE         2         1         245         13         30         277           L-11450N-9045DE         7         <1         2         90         16         16         10         25           L-11450N-9045DE         16         1         104         8         100         42           L-11450N-9045DE         16         1         104         10         42	Det.Lim. Units	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
L-11300N-90200E         7         <1         60         4         70         37           L-11300N-90225E         B         <1	L-11300N-90175E	9	<1	37	3	80	41
L-11300N-9025E         B         <1         48         4         130         40           L-11300N-90250E         14         2         156         10         280         40           L-11300N-9025E         8         1         37         5         150         26           L-11300N-9030E         3         1         36         2         80         11           L-11300N-9035E         6         1         17         3         40         10           L-11300N-9035E         9         1         18         50         48           L-1130N-9040E         7         <1	L-11300N-90200E	7	<1	60	- 4	70	37
L-11300N-90250E         14         2         156         10         280         40           L-11300N-3007E         8         1         87         5         150         26           L-11300N-3030E         3         36         2         80         11           L-11300N-3030E         14         16         5         50         32           L-11300N-3030E         9         118         8         50         48           L-11300N-3037E         9         118         8         50         48           L-11300N-30400E         22         1245         3         30         27           L-11450N-30107E         8         <1	L-11300N-90225E	8	<1	48	4	130	40
L-11300N-903075E         B         I         F7         5         150         26           L-11300N-90300E         3         1         36         2         80         111           L-11300N-90300E         5         5         5         5         3         40         10           L-11300N-90300E         14         168         5         50         32           L-11300N-9030E         9         1         119         8         50         48           L-11300N-90450E         7         60         4         40         24           L-11300N-90450E         7         7         29         22         10           L-11450N-9010E         9         198         5         50         15           L-11450N-9010E         16         1         48         110         42           L-11450N-9010E         16         1         48         110         42           L-11450N-9010E         16         1         48         110         42           L-11450N-9020E         10         <17	L-11300N-90250E	14	2	156	10	280	40
L-11300N-90300E       3       1       36       2       80       11         L-11300N-90325E       5       <1	L-11300N-90275E	8	- 1	87	5	150	26
L11300N-90325E         S         <1         S1         3         40         10           L11300N-90350E         14         1         68         5         32           L1130N-90350E         9         1         119         8         50         48           L1130N-90400E         7         <	L-11300N-90300E	3	1	36	2	80	11
L-11300N-90350E       14       1       68       5       50       32         L-11300N-90375E       9       1       119       8       50       48         L-1130N-90425E       8       <1	L-11300N-90325E	- 5	<1	51	3	40	10
L11300N-90400E       7       -1       60       4       40       24         L1130N-90400E       7       -1       60       4       40       24         L1130N-90450E       22       1       245       3       30       27         L1145N-9075E       7       -1       29       2       120       10         L1145N-9012E       8       -1       46       5       320       25         L1145N-9012E       8       -1       46       5       320       25         L1145N-9012E       8       -2       63       4       100       42         L1145N-90200E       10       -1       71       5       90       25         L1145N-90200E       10       2       86       7       140       76         L1145N-9020E       4       -1       31       2       80       33         L1145N-9020E       4       -1       5       4       119       140       18         L1145N-9020E       4       -1       10       3       30       28       240       111         L1145N-9020E       5       -1       12       130       10	L-11300N-90350E	14	1	68	5	50	32
L-11300N-90425E       60       40       24         L-1130N-90425E       8       <1	L-11300N-90375E	9	1	119	8	50	48
L-11300N-90425E       8       <1	L-11300N-90400E	7	<1	60	4	40	24
L11300N-90450E       22       1       245       13       40       25         L11450N-90075E       7       -1       29       2       120       10         L11450N-90125E       8       -1       46       5       320       225         L11450N-90150E       16       1       104       8       110       42         L11450N-90175E       8       2       63       4       100       42         L11450N-90200E       10       -1       71       5       90       25         L11450N-9020E       3       -1       72       240       118         L11450N-90250E       3       -1       72       240       118         L11450N-90300E       4       -1       2       80       33         L11450N-90350E       7       -1       50       4       60       29         L11450N-90350E       7       -1       50       4       40       19         L11450N-90350E       7       -1       50       4       40       19         L11450N-90350E       4       -1       13       150       25       1       62       4       100      <	L-11300N-90425E	8	<1	45	3	30	27
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L11450N-90100E919855015L11450N-90125E8 $<1$ 46532025L11450N-90175E8263410042L11450N-90202E10 $<1$ 7159025L11450N-90225E3 $<1$ 2724018L11450N-90250E10286714076L11450N-90275E4 $<1$ 3128033L11450N-9030E4 $<1$ 28224011L11450N-9035E8249318042L11450N-9035E7 $<1$ 5045029L11450N-9035E5 $<1$ 55414019L11450N-9035E5 $<1$ 6246010L11450N-9040E314038028L11450N-9045E4 $<1$ 12113010L11450N-9045E4 $<1$ 1211010L11450N-905DE4 $<1$ 13101017L11450N-905DE4 $<1$ 131301816L11450N-905DE4 $<1$ 131301816L11450N-905DE4 $<1$ 131301816L11450N-905DE4 $<1$ 131301816L11450N-905DE5 $<1$ 2925161	L-11450N-90075E	7	<1	29	2	120	10
L-11450N-90125E         8         <1         46         5         320         25           L-11450N-90175E         8         2         63         4         100         42           L-11450N-90200E         10         <1	L-11450N-90100E	9	1	98	5	50	15
L-11450N-90150E         16         1         104         8         110         42           L-11450N-9020E         10         <1	L-11450N-90125E	8	<1	46	- 5	320	25
L 11450N-90175E8263410042L-11450N-90200E10<1	L-11450N-90150E	16	1	104	8	110	42
L-11450N-90200E10-17159025L-11450N-9025E3-12724018L-11450N-9025E10286714076L-11450N-90300E4-128224011L-11450N-90300E4-128224011L-11450N-90300E6249318042L-11450N-9030E7-15045029L-11450N-9035E5-155414019L-11450N-9040E314038028L-11450N-9042E4-112113010L-11450N-9042E4-112113010L-11450N-9042E4-112113010L-11450N-9045E4-1137313018L-11450N-9055E4-1137313018L-11450N-9055E11-15545015L-11450N-90650E5-12923509L-11450N-90650E5-12923509L-11450N-9075E5-12923509L-11450N-9075E5-12923509L-11450N-9075E5-12923509L-11450N-9075E5-12923509 <tr< td=""><td>L-11450N-90175E</td><td>8</td><td>2</td><td>63</td><td>4</td><td>100</td><td>42</td></tr<>	L-11450N-90175E	8	2	63	4	100	42
L-11450N-90225E3-12724018L-11450N-90250E10286714076L-11450N-90275E4-13128033L-11450N-9030DE4-128224011L-11450N-90325E8249318042L-11450N-90350E7-15045029L-11450N-90375E5-155414019L-11450N-90400E314038028L-11450N-90425E4-112113010L-11450N-90450E5-1624010L-11450N-90450E8-111194017L-11450N-9050E8-114194017L-11450N-9050E8-114194017L-11450N-9050E4-137313018L-11450N-9055E11-15545015L-11450N-9065E20-18871109L-11450N-9065E5-12923509L-11450N-9075E5-1123919023L-11450N-9075E5-1123919023L-11450N-9075E33-1123919023L-11450N-9075E25-1123919023<	L-11450N-90200E	- 10	- <1	71	5	90	25
L-11450N-90250E1026671076L-11450N-90275E4<1	L-11450N-90225E	3	<1	27	2	40	18
L-11450N-90275EL-11450N-9050E <t< td=""><td>L-11450N-90250E</td><td>- 10</td><td>2</td><td>86</td><td>- 7</td><td>140</td><td>76</td></t<>	L-11450N-90250E	- 10	2	86	- 7	140	76
L-11450N-90300E         4         -1         28         2         240         111           L-11450N-90325E         8         2         49         3         180         42           L-11450N-90350E         7         <1	L-11450N-90275E	4	<1	31	. 2	80	33
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L11450N-90375E       5       -1       55       4       140       19         L11450N-90400E       3       1       40       3       80       28         L-11450N-90425E       4       -1       41       3       150       25         L-11450N-90450E       5       <1	I-11450N-90350F	7	<1	50	- 4	50	29
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L-11450N-90475E4-112110L-11450N-90500E8<1	L-11450N-90450E	5	<1	62	4	60	10
L-11450N-90500E       8       <1       141       9       40       17         L-11450N-90525E       4       <1	L-11450N-90475E	4	<1	12	1	130	10
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L-11450N-90600E16<110384026L-11450N-90625E20<1	L-11450N-90575E	11	<1	55	4	50	15
L-11450N-90625E20<1827<2019L-11450N-90650E5<1	L-11450N-90600E	16	<1	103	8	40	26
L-11450N-90650E5<18871109L-11450N-90675E5<1	L-11450N-90625E	20	<1	82	7	<20	19
L-11450N-90675E5<12923509L-11450N-90700E11183610039L-11450N-90725E10<1	L-11450N-90650E	5	<1	88	7	110	9
L-11450N-90700E11183610039L-11450N-90725E10<1	L-11450N-90675E	5	<1	29	2	350	9
L-11450N-90725E10<156411023L-11450N-90750E33<1	L-11450N-90700E	11	1	83	6	100	39
L-11450N-90750E33<1174125016L-11450N-90775E25<1	L-11450N-90725E	10	<1	56	4	110	23
L-11450N-90775E25<1123919023L-11450N-90800E24<1	L-11450N-90750E	33	<1	174	12	50	16
L-11450N-90800E24<1100880<5L-11450N-90825E36<1	L-11450N-90775E	25	<1	123	9	190	23
L-11450N-90825E36<18376022L-11450N-90850E641462358022L-11250N-90125E7<1	L-11450N-90800E	24	<1	100	8	80	<5
L-11450N-90850E         64         1         462         35         80         22           L-11250N-90125E         7         <1	L-11450N-90825E	36	<1	83	7	60	22
L-11250N-90125E         7         <1         56         4         80         <5           L-11250N-90150E         11         <1	L-11450N-90850E	64	1	462	35	80	22
L-11250N-90150E11<1224143014L-11250N-90175E72353<20	L-11250N-90125E	7	<1	56	4	80	<5
L-11250N-90175E 7 2 35 3 <20 14 L-11250N-90200E 4 <1 26 2 <20 8	L-11250N-90150E	11	<1	224	14	30	14
L-11250N-90200E 4 <1 26 2 <20 8	L-11250N-90175E	7	2	35	3	<20	14
	L-11250N-90200E	4	<1	26	2	<20	8

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim.	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
1_11250N_00225E	6	<1	52		30	
L-11250N-90250E	5	<1	34		100	23
L-11250N-90275F	5	<1	32	2	290	34
L_11250N_90300F	5	<1	37	- 3	200 40	27
L-11250N-90325E	15	<1	37	3	20	14
L-11250N-90350F	6	<1	113	7	50	35
I-11250N-90375F	6	<1	28	2	100	34
L-11250N-90400E	12	<1	163	- 10	30	20
L-11250N-90425E	3	<1	29	2	40	
L-11250N-90450E	- 7	<1		- 4	90	45
I-11050N-90225E	14	<1	261	15	40	10
L-11050N-90250E	7	<1	54	4	70	19
L-11050N-90275E	3	<1	35	2	30	18
L-11050N-90300E	5	<1	41	- 3	560	51
L-11050N-90325E	7	<1	64	- 5	80	35
L-11050N-90350E	4	<1	74	5	80	26
L-11050N-90375E	6	<1	69	5	70	35
L-11050N-90400E	4	<1	40	- 3	70	40
L-11050N-90425E	6	<1	27	2	40	13
L-11050N-90450E	4	<1	40	3	100	18
L-11000N-90250E	6	<1	<5	<1	20	<5
L-11000N-90275E	12	<1	193	10	30	- 6
L-11000N-90300E	4	<1	71	4	320	6
L-11000N-90325E	4	<1	43	3	60	30
L-11000N-90350E	5	<1	19	1	90	20
L-11000N-90375E	4	<1	33	3	180	37
L-11000N-90400E	4	<1	44	3	490	44
L-11000N-90425E	6	<1	78	5	50	30
L-11000N-90450E	2	<1	19	1	60	7
L-11100N-90200E	13	<1	151	8	50	7
L-11100N-90225E	7	<1	122	7	30	14
L-11100N-90250E	4	<1	26	2	90	13
L-11100N-90275E	3	<1	20	2	60	11
L-11100N-90300E	3	<1	21	2	120	23
L-11100N-90325E	6	<1	47	4	120	28
L-11100N-90350E	4	<1	45	3	50	38
L-11100N-90375E	5	<1	53	4	70	49
L-11100N-90400E	4	<1	36	3	90	29
L-11100N-90425E	6	<1	65	5	160	53
L-11100N-90450E	4	<1	77	4	90	28
*Dup L-11300N-90175E	8	<1	36	3	90	38
*Dup L-11450N-90075E	7	<1	27	2	100	11
*Dup L-11450N-90375E	4	<1	50	3	80	19
*Dup L-11450N-90675E	5	<1	31	2	320	10
*Dup L-11250N-90225E	7	<1	52	4	30	25
*Dup L-11050N-90275E	4	<1	38	2	60	21
*Dup L-11000N-90350E	5	<1	19	2	120	20
*Dup L-11100N-90375E	5	<1	60	5	70	57

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Element	U	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB	PPB
*Std MMISRM14	36	<1	8	<1	320	10
*Std MMISRM14	34	<1	8	<1	320	11
*Std MMISRM14	36	<1	9	<1	320	11
*BIk BLANK	<1	<1	<5	<1	<20	<5
*Blk BLANK	<1	<1	<5	<1	<20	<5
*BIK BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 095338

Date: Oct 25, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	Project: Blind
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	79
Date Submitted	Aug 30, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 79 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. 	= Insufficient Sample = No result
	*INF = Composition of this sample makes detection in	npossible by this	method
	M after a result denotes ppb to ppm conversion, % denot	es ppm to % con	version
	Methods marked with an asterisk (e.g. *NAA08V) were su	lbcontracted	
	Subject to SGS Ger	eral Terms and (	Conditions

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Element Method Det.Lim.	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5 5	Co MMI-M5 5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-11600N-90300E	13	13	<10	0.6	1790	<1	320	10	180	187
L-11600N-90325E	12	55	20	0.1	2020	<1	120	11	208	114
L-11600N-90350E	8	48	10	0.3	1020	<1	100	2	219	44
L-11600N-90375E	17	37	<10	0.1	3070	<1	220	5	54	81
L-11600N-90400E	11	83	30	0.2	1530	<1	60	2	158	102
L-11600N-90425E	32	71	10	0.2	2610	<1	160	13	59	96
L-11600N-90450E	21	48	20	0.9	2430	<1	160	9	129	70
L-11600N-90475E	7	45	20	0.2	1950	<1	120	4	71	47
L-11600N-90500E	15	9	<10	0.4	6810	<1	300	2	40	287
L-11600N-90525E	11	17	<10	0.2	5780	<1	260	2	64	51
L-11600N-90550E	18	84	30	0.2	2040	<1	100	5	74	91
L-11600N-90575E	11	58	10	0.2	1910	<1	170	7	91	76
L-11600N-90600E	17	41	10	0.2	4230	<1	200	2	47	70
L-11600N-90625E	12	5	<10	0.1	3730	<1	410	3	38	42
L-11600N-90650E	16	56	50	<0.1	3550	<1	170	4	55	104
L-11600N-90675E	15	47	<10	0.1	2480	<1	240	10	33	21
L-11600N-90700E	10	79	30	0.2	2450	<1	120	4	74	128
L-11600N-90725E	5	37	20	0.1	890	<1	260	12	40	71
L-11600N-90750E	23	18	30	1.2	1710	<1	570	9	155	314
L-11600N-90775E	6	3	<10	0.2	750	<1	460	4	<5	24
L-11600N-90800E	3	2	20	0.1	720	<1	400	16	<5	85
L-11600N-90825E	7	3	<10	0.6	1110	<1	770	24	<5	40
L-11600N-90850E	10	4	<10	0.4	1070	<1	810	29	<5	27
L-11600N-90875E	5	2	10	0.3	370	<1	350	6	<5	183
L-11600N-90900E	1	1	<10	0.1	370	<1	390	9	<5	38
L-11600N-90925E	4	2	<10	0.2	450	<1	460	18	<5	27
L-11600N-90950E	2	2	<10	<0.1	450	<1	470	24	<5	6
L-11600N-90975E	3	5	<10	<0.1	970	<1	920	8	<5	22
L-11600N-91000E	8	4	<10	0.2	1000	<1	430	5	24	38
L-11600N-91025E	7	2	<10	0.2	550	<1	490	10	5	43
L-11600N-91050E	2	2	<10	0.2	390	<1	430	9	<5	46
L-11550N-90200E	19	71	20	<0.1	1930	<1	120	10	82	97
L-11550N-90225E	6	85	20	<0.1	2940	<1	110	6	166	92
L-11550N-90250E	13	138	20	<0.1	3180	<1	110	28	106	77
L-11550N-90275E	18	85	20	<0.1	2750	<1	140	22	72	123
L-11550N-90300E	25	87	50	0.1	1930	<1	160	17	59	77
L-11550N-90325E	14	62	90	<0.1	2390	<1	120	7	105	74
L-11550N-90350E	10	51	10	0.2	4010	<1	120	5	362	119
L-11550N-90375E	9	38	10	0.3	3060	<1	90	3	158	86
L-11550N-90400E	16	92	<10	<0.1	3220	<1	140	29	106	174
L-11550N-90425E	45	2	<10	0.8	2480	<1	360	4	11	112
L-11550N-90450E	12	92	20	<0.1	2130	<1	110	5	122	116
L-11550N-90475E	10	92	20	<0.1	1900	<1	100	5	62	93
L-11550N-90500E	16	29	<10	0.1	3220	<1	300	6	18	45
L-11550N-90525E	26	29	<10	<0.1	3360	<1	280	5	22	41
L-11550N-90550E	22	141	40	<0.1	1840	<1	110	14	115	234
L-11550N-90575E	39	76	<10	1.7	1020	<1	140	3	572	31
L-11550N-90600E	12	50	30	0.3	2990	<1	160	7	159	67

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L-11550N-90625E	12	58	20	<0.1	2250	<1	170	7	55	67
L-11550N-90650E	17	75	10	0.2	2620	<1	140	4	60	195
L-11550N-90675E	10	46	10	0.1	3470	<1	180	5	107	95
L-11550N-90700E	4	118	30	<0.1	1660	<1	130	48	117	289
L-11550N-90725E	17	22	<10	2.1	680	<1	280	6	<5	192
L-11550N-90750E	3	6	<10	0.6	760	<1	330	14	<5	90
L-11550N-90775E	48	9	<10	0.4	1230	<1	1000	26	6	29
L-11550N-90800E	1	<1	<10	0.3	710	<1	410	8	<5	77
L-11550N-90825E	2	2	<10	0.5	800	<1	430	23	<5	43
L-11550N-90850E	3	1	<10	0.5	660	<1	410	21	<5	46
L-11550N-90875E	5	3	<10	0.4	900	<1	800	24	<5	28
L-11550N-90900E	2	2	<10	0.1	450	<1	380	10	<5	27
L-11550N-90925E	1	1	20	0.3	490	<1	420	4	<5	51
L-11550N-90950E	1	<1	<10	<0.1	400	<1	420	18	<5	11
L-11550N-90975E	8	3	<10	<0.1	1110	<1	1000	52	<5	64
L-11550N-91000E	16	51	<10	0.3	1390	<1	890	21	14	96
L-11550N-91025E	5	76	<10	<0.1	1190	<1	260	11	73	75
L-11550N-91050E	12	2	<10	0.6	990	<1	520	7	10	57
L-11200N-90150E	16	6	<10	0.3	1330	<1	270	3	75	39
L-11200N-90175E	29	46	<10	0.2	3020	<1	210	5	29	57
L-11200N-90200E	22	14	<10	0.4	3020	<1	230	3	8	67
L-11200N-90225E	11	151	<10	<0.1	3510	<1	140	25	102	125
L-11200N-90250E	17	51	20	0.2	1940	<1	190	8	94	166
L-11200N-90275E	16	64	10	<0.1	3040	<1	210	14	48	116
L-11200N-90300E	12	40	<10	0.2	3340	<1	190	4	62	105
L-11200N-90325E	10	41	<10	0.2	3060	<1	160	3	143	131
L-11200N-90350E	31	33	20	0.1	3820	<1	160	7	50	116
L-11200N-90375E	13	54	20	0.5	3490	<1	160	5	58	86
L-11200N-90400E	12	85	<10	<0.1	2370	<1	230	15	72	180
L-11200N-90425E	10	117	20	0.2	3620	<1	140	4	140	111
L-11200N-90450E	21	21	<10	0.9	3240	<1	170	3	30	53
*Dup L-11600N-90300E	12	12	<10	0.8	2350	<1	320	8	175	209
*Dup L-11600N-90600E	18	44	10	0.2	4160	<1	210	3	54	84
*Dup L-11600N-90900E	1	<1	<10	0.2	430	<1	400	7	<5	36
*Dup L-11550N-90325E	14	64	90	0.3	2270	<1	120	7	105	84
*Dup L-11550N-90625E	12	60	10	<0.1	2170	<1	170	8	54	62
*Dup L-11550N-90925E	1	<1	10	0.4	740	<1	410	3	<5	58
*Dup L-11200N-90300E	12	33	<10	0.2	2960	<1	180	3	37	92
*Std MMISRM14	19	35	10	41.2	100	<1	250	7	16	40
*Std MMISRM14	19	34	10	38.8	110	<1	240	6	17	41
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIK BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-11600N-90300E	<100	1160	23	13.7	3.7	22	23	52	<5	46
L-11600N-90325E	200	210	19	9.0	5.0	 47	22	72	<5	61
L-11600N-90350E	100	170	29	12.9	6.3	31	32	76	<5	48
L-11600N-90375E	<100	170	8	3.9	1.5	40	9	27	<5	85
L-11600N-90400E	200	120	14	7.2	3.4	70	16	53	<5	22
L-11600N-90425E	100	230	7	3.8	1.5	67	8	26	<5	35
L-11600N-90450E	100	150	10	4.8	2.3	46	11	27	<5	40
L-11600N-90475E	100	140	9	5.5	1.5	42	9	17	<5	36
L-11600N-90500E	<100	350	9	5.0	1.0	15	8	17	<5	79
L-11600N-90525E	<100	180	9	4.1	1.6	23	9	26	<5	72
L-11600N-90550E	200	170	10	5.2	2.4	64	10	29	<5	37
L-11600N-90575E	100	180	11	5.2	2.5	53	13	35	<5	79
L-11600N-90600E	<100	110	8	4.4	1.6	31	8	28	<5	88
L-11600N-90625E	<100	130	11	6.1	1.6	6	11	13	<5	83
L-11600N-90650E	100	120	8	4.3	1.5	41	9	25	<5	88
L-11600N-90675E	<100	100	8	4.1	1.5	13	8	14	<5	66
L-11600N-90700E	200	150	8	4.0	2.0	70	9	35	<5	77
L-11600N-90725E	<100	160	10	5.6	1.8	43	10	15	15	82
L-11600N-90750E	<100	2500	20	10.9	4.8	114	24	48	16	175
L-11600N-90775E	<100	680	2	1.7	<0.5	5	3	1	<5	68
L-11600N-90800E	<100	2290	<1	0.6	<0.5	12	<1	<1	16	77
L-11600N-90825E	<100	4420	7	4.6	1.0	11	7	4	5	165
L-11600N-90850E	<100	4940	7	5.2	1.3	11	8	5	7	185
L-11600N-90875E	<100	2730	2	2.1	<0.5	8	2	2	6	54
L-11600N-90900E	<100	680	<1	<0.5	<0.5	1	<1	<1	5	86
L-11600N-90925E	<100	750	2	1.6	<0.5	2	2	<1	6	96
L-11600N-90950E	<100	210	<1	0.8	<0.5	2	<1	<1	6	117
L-11600N-90975E	<100	80	<1	0.6	<0.5	3	<1	<1	<5	328
L-11600N-91000E	<100	280	8	4.1	2.0		11	9	5	92
L-11600N-91025E	<100	380	2	1.1	<0.5	6	2	2	17	93
L-11600N-91050E	<100	1880	<1	0.9	<0.5	6	<1	<1	<5	42
L-11550N-90200E	200	200	9	4.3	2.4	59	11	34	<5	34
L-11550N-90225E	200	110	11	5.4	2.3	57	13	45	<5	29
L-11550N-90250E	200	190	13	6.7	3.0	97	15	55	7	34
L-11550N-90275E	200	160	8	4.2	1.8	78	9	33	<5	48
L-11550N-90300E	100	130	7	3.4	1.7	70	8	26	<5	26
L-11550N-90325E	100	130	8	4.0	1.9	48	9	37	<5	40
L-11550N-90350E	200	280	43	20.1	10.0	51	49	119	<5	59
L-1155UN-90375E	<100	140	19	8.3	4.4	26	20	51	<5	34
L-11550N-90400E	200	180	12	6.3	2.6	/8	14	45	<5	82
L-1150UN-90425E	<100	240	11	5.8	1.8	3	12	1	<5	125
	200	210	12	5.3	1.9	84	14	52	<5	28
L-1155UN-904/5E	200	110	6	2.8	1.4	64 10	6	26	<5 	25
	<100	160	4	2.2	U./	18	4	9	<5	72
	<100	120	4	2.0	U.8	25	4	11	<5 -	82
	300	250	12	5.3 100	3.0	137	14	46	5	35
L-1150UN-905/5E	<100	3240	254 1 <i>5</i>	132	55.8 2 r	28	297	522	<5 	53
L-110000-90000E	IUU	120	15	0.1	J.5	43	17	51	<5	57

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L-11550N-90625E	<100	100	5	2.7	1.4	46	6	25	<5	90
L-11550N-90650E	100	270	5	2.4	1.5	107	6	27	<5	56
L-11550N-90675E	100	120	10	4.8	2.4	43	12	42	<5	90
L-11550N-90700E	200	270	14	7.1	3.2	98	15	42	<5	68
L-11550N-90725E	<100	14000	4	4.0	<0.5	23	3	5	<5	19
L-11550N-90750E	<100	4580	<1	1.3	<0.5	9	<1	1	8	18
L-11550N-90775E	<100	790	6	4.0	0.8	6	5	3	9	125
L-11550N-90800E	<100	2970	<1	0.7	<0.5	3	<1	<1	<5	76
L-11550N-90825E	<100	2260	2	1.7	<0.5	7	1	<1	9	47
L-11550N-90850E	<100	2170	5	4.7	<0.5	4	4	2	6	71
L-11550N-90875E	<100	4550	5	3.5	0.8	4	5	2	10	196
L-11550N-90900E	<100	1260	<1	0.6	<0.5	2	<1	<1	6	54
L-11550N-90925E	<100	3420	<1	0.5	<0.5	3	<1	<1	<5	69
L-11550N-90950E	<100	160	<1	<0.5	<0.5	1	<1	<1	5	142
L-11550N-90975E	<100	100	<1	0.7	<0.5	4	<1	<1	<5	155
L-11550N-91000E	<100	1730	28	22.8	2.4	8	19	8	10	50
L-11550N-91025E	<100	170	20	11.8	3.6	47	20	25	<5	99
L-11550N-91050E	<100	1320	10	5.7	1.5	6	10	6	21	106
L-11200N-90150E	<100	410	28	15.0	6.7	7	33	36	<5	116
L-11200N-90175E	100	240	8	4.3	1.5	36	8	16	<5	98
L-11200N-90200E	<100	260	4	2.4	0.6	6	4	3	<5	78
L-11200N-90225E	100	160	14	7.4	3.0	94	14	42	<5	35
L-11200N-90250E	100	310	10	5.3	2.5	57	11	29	<5	73
L-11200N-90275E	100	200	7	3.7	1.5	74	8	26	<5	52
L-11200N-90300E	200	210	17	9.5	3.0	25	17	24	<5	76
L-11200N-90325E	<100	230	13	6.4	3.1	33	15	40	<5	89
L-11200N-90350E	<100	140	4	2.0	1.1	35	5	21	<5	55
L-11200N-90375E	200	200	7	3.5	1.7	56	8	31	<5	50
L-11200N-90400E	100	220	10	5.8	1.9	83	10	28	<5	53
L-11200N-90425E	200	160	13	6.3	2.3	94	17	66	6	36
L-11200N-90450E	<100	140	4	2.1	1.0	27	5	15	<5	89
*Dup L-11600N-90300E	100	1230	22	13.7	3.1	16	21	47	<5	46
*Dup L-11600N-90600E	100	110	9	5.2	1.6	32	10	32	<5	83
*Dup L-11600N-90900E	<100	930	<1	<0.5	<0.5	1	<1	<1	5	78
*Dup L-11550N-90325E	100	140	8	4.2	1.9	52	9	37	<5	42
*Dup L-11550N-90625E	<100	100	6	2.9	1.4	43	7	23	<5	94
*Dup L-11550N-90925E	<100	3130	<1	<0.5	<0.5	3	<1	<1	<5	72
*Dup L-11200N-90300E	100	200	16	9.7	2.6	21	16	14	<5	61
*Std MMISRM14	<100	700	2	0.6	0.9	2	3	3	<5	32
*Std MMISRM14	<100	660	2	0.7	0.8	2	3	3	<5	31
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Мо ММІ-М5 5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5
Det.Lim.	PPB	PPR	PPR	PPR	PPB	PPR	PPB	PPR	PPB	PPR
	10	<0.5	71	1200	30	-1	17	-1	10	1 1
L-11600N-90325E	<5	-0.5 2.8	02 02	883	80	، د 1>	22	ا - 1 ح	12	<1
L-11600N-90350E	~5	2.0 1 3	118	/1/	50	יד 1>	22	، ا- 1>	100	יר 1
1-11600N-90375E	<5	1.5	31	713	70	יד 1>	7	۱- 1>	114	י <1
L-11600N-90400F		1.0 4 N	65	387	90	 <1	, 16	<1	133	<1
I_11600N_90425E	<5	7.U 3.Q	30	705	100	<1	7	<1	156	<1
1-11600N-90450E	-5 ~5	1.5	30	366	100	יד 1>	، ع	، ۱- 1>	100	۱ - 1 >
1-11600N-90475E	-5	1.5 2 N	26	243	40	יד 1-2	6	ı - 1ء	104	-1
L-11600N-90500E	~5 ~5	2.0 <0.5	20 10	24J 756	40	יר בו	4	، ۱ اح	21	ا ۲ 1 ح
L-11000N-90500E	~5	~0.J	20	106	40	-1	7	-1	21 62	-1
L-11600N-90523E	-5	0.7	J2 40	200	40	-1	, 0	-1	151	-1
L-11600N-90530E	6	4.4	42	509	0 i 60	>1 /1	3 11	۱ ~ 1 /	131 257	-1
L-11600N-30373E	U ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	J.I 15	40 20	520	90	۱ - 1 -	7	-1	2J7 115	-1
L-11600N-90600E	-5 -5	1.0	29 10	552	40	ا < 1 /	1	~1	110	-1
L-11000N-90023E	C< ح	~U.J 1 G	19	610	40	۱۲ ۱۰	4	>1 	13 110	ا < 1 ر
	_⊃ ∠E	-0.5	20	010	00	۱۲ اد	1	۱۲ اند	110	ı < اد
L-11000N-90073E	~5 ~E	-0.5 2.0	21	932	40	۱< اح	4		105	ı < ۱-
L-11000N-90700E	<b>-0</b> ح	۷.۶ ۱۰	37 27	014	9U 50	~ 	9	~  -	100	~
L-11000N-90725E	/ 20	1.0	21	2420	50	۱> ۱-	10	>I	127	~ I
L-11000N-90750E	20	-0.5	84 2	4900	40	>  -	19	>	137	ა ე
L-11800N-90773E	11	<0.5	ა ი	0050	UI~	<b>/</b>	S	~	9	2
L-11600N-90800E	17	0.0 -0.5	2	10400	UI>	> 	< ] ^	>	42	
L-11600N-90825E	19	<0.5	8	18400	UI>	>	2	>	19	4
L-11600N-90850E	13	<0.5	12	20400	<10	<1	2	<1	18	2
L-11600N-90875E	24	<0.5	4	9500	<1U	[>	<1	[>	36	3
L-11600N-90900E	25	<0.5	<] •	5230	U1>	> 	<]	[>	20	2
L-11600N-90925E	11	<0.5	 افت	4550	UI>	>	>	>	18	2
L-11600N-90950E	11	<0.5	<1	5940	<10	> 	<]	[> 	24	1
L-11600N-90975E	9	<0.5	2	2350	10	[> 	<1	[> 	9	2
L-11600N-91000E	<5	<0.5	23	879	U[>	<1 •	4	[> •	21	[>
L-11600N-91025E	10	<0.5	4	1980	U1>	[>	[>	[>	16	<1 ^
L-11600N-91050E	9	<0.5	1	4390	<10	<1	<1	<1	26	2
L-11550N-9020UE	<5	1.8	42	974	60	<1	10	<1	101	[>
L-1155UN-90225E	5	3.2	52	504	90	<1	13	<1	130	<1
L-11550N-90250E	5	8.2	58	/35	110	[>	14	[>	103	[>
L-11550N-90275E	<5	2.9	35	1070	100	<1	9	<1	89	<
L-1155UN-90300E	<5	2.9	31	525	70	<1	8	<1	130	<1
L-1155UN-90325E	<5	2.5	40	554	7U	[>	10	<1	136	3
L-11550N-90350E	<5 -	1.3	1/4	1290	50	<]	40	<1 	70	[>
L-11550N-90375E	5	1.5	/3	2/4	50	<1	17	<1	87	<1
L-11550N-90400E	<5	2.9	53	2020	110	<1	13	<1	80	<1
L-1155UN-90425E	<5	<0.5	1/	826	<10	<1	3	<1	14	<1
L-11550N-90450E	7	4.8	61	447	70	<1	15	<1	115	<1
L-11550N-90475E	6	3.4	26	274	60	<1	7	<1	110	<1
L-11550N-90500E	<5	0.6	12	453	30	<1	3	<1	113	<1
L-11550N-90525E	<5	0.6	14	562	50	<1	3	<1	122	<1
L-11550N-90550E	7	5.6	53	785	140	<1	13	<1	117	<1
L-11550N-90575E	<5	2.3	914	3030	50	<1	198	<1	161	<1
L-11550N-90600E	<5	1.8	61	941	70	<1	15	<1	97	<1

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Pt MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB
L-11550N-90625E	<5	2.7	28	719	70	<1	7	<1	85	<1
L-11550N-90650E	<5	3.1	25	523	60	<1	6	<1	112	<1
L-11550N-90675E	<5	1.4	48	867	90	<1	12	<1	111	<1
L-11550N-90700E	<5	3.2	57	1410	160	<1	14	<1	65	<1
L-11550N-90725E	34	<0.5	8	4710	<10	<1	2	<1	41	2
L-11550N-90750E	54	<0.5	2	6140	<10	<1	<1	<1	13	3
L-11550N-90775E	7	<0.5	6	6400	<10	<1	1	<1	18	3
L-11550N-90800E	10	<0.5	<1	4350	<10	<1	<1	<1	8	1
L-11550N-90825E	25	<0.5	2	6030	10	<1	<1	<1	30	3
L-11550N-90850E	8	<0.5	4	7180	<10	<1	<1	<1	19	2
L-11550N-90875E	24	<0.5	5	19700	<10	<1	<1	<1	24	3
L-11550N-90900E	35	<0.5	<1	5100	<10	<1	<1	<1	21	3
L-11550N-90925E	26	<0.5	<1	4750	<10	<1	<1	<1	19	3
L-11550N-90950E	5	<0.5	<1	3580	<10	<1	<1	<1	22	<1
L-11550N-90975E	33	<0.5	<1	2620	10	<1	<1	<1	19	1
L-11550N-91000E	<5	<0.5	18	7560	30	<1	3	<1	10	2
L-11550N-91025E	<5	1.2	52	1440	60	<1	11	<1	21	<1
L-11550N-91050E	9	<0.5	14	1560	<10	<1	2	<1	30	<1
L-11200N-90150E	<5	<0.5	73	1050	20	<1	14	<1	20	<1
L-11200N-90175E	<5	1.1	21	864	70	<1	5	<1	112	<1
L-11200N-90200E	<5	<0.5	6	479	50	<1	1	<1	118	<1
L-11200N-90225E	<5	3.2	55	982	130	<1	13	<1	114	<1
L-11200N-90250E	<5	0.8	38	1690	70	<1	9	<1	90	<1
L-11200N-90275E	<5	2.7	27	1120	90	<1	6	<1	122	<1
L-11200N-90300E	<5	0.7	40	1140	40	<1	8	<1	44	<1
L-11200N-90325E	<5	0.7	54	1010	60	<1	12	<1	110	<1
L-11200N-90350E	<5	1.1	22	295	50	<1	5	<1	72	<1
L-11200N-90375E	<5	2.9	31	543	80	<1	8	<1	83	<1
L-11200N-90400E	7	3.4	36	745	140	<1	8	<1	94	<1
L-11200N-90425E	6	7.6	72	538	90	<1	18	<1	107	<1
L-11200N-90450E	<5	0.9	17	414	70	<1	4	<1	88	<1
*Dup L-11600N-90300E	10	<0.5	61	1220	20	<1	14	<1	9	1
*Dup L-11600N-90600E	<5	1.3	33	551	90	<1	8	<1	116	<1
*Dup L-11600N-90900E	22	<0.5	<1	5310	<10	<1	<1	<1	19	1
*Dup L-11550N-90325E	<5	2.5	42	537	80	<1	10	<1	141	3
*Dup L-11550N-90625E	<5	2.3	28	717	80	<1	7	<1	90	<1
*Dup L-11550N-90925E	23	<0.5	<1	4880	<10	<1	<1	<1	18	2
*Dup L-11200N-90300E	<5	<0.5	25	1040	40	<1	5	<1	44	<1
*Std MMISRM14	31	<0.5	12	255	100	39	2	<1	295	<1
*Std MMISRM14	29	<0.5	12	253	110	39	2	<1	282	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method Det Lim	Sc MMI-M5 5	Sm MMI-M5 1	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5 10	Th MMI-M5 0.5	Ti MMI-M5 3	TI MMI-M5 0.5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-11600N-90300E	18	17	<1	710	<1	4	<10	9.9	22	<0.5
L-11600N-90325E	35	20	<1	410	<1	4	<10	19.9	946	<0.5
L-11600N-90350E	40	30	<1	290	<1	5	<10	22.6	381	<0.5
L-11600N-90375E	14	7	<1	680	<1	1	<10	8.6	326	<0.5
L-11600N-90400E	41	15	<1	170	<1	3	<10	22.7	856	<0.5
L-11600N-90425E	25	7	<1	520	<1	1	<10	15.8	633	<0.5
L-11600N-90450E	31	9	<1	350	<1	2	<10	12.5	226	<0.5
L-11600N-90475E	32	8	<1	280	<1	2	<10	15.8	407	<0.5
L-11600N-90500E	10	5	<1	860	<1	1	<10	6.0	71	<0.5
L-11600N-90525E	13	8	<1	810	<1	2	<10	7.1	157	<0.5
L-11600N-90550E	43	10	2	260	<1	2	<10	16.3	1140	<0.5
L-11600N-90575E	24	11	<1	370	<1	2	<10	12.0	664	<0.5
L-11600N-90600E	14	7	<1	600	<1	1	<10	6.9	404	<0.5
L-11600N-90625E	9	6	<1	1490	<1	2	<10	2.4	10	<0.5
L-11600N-90650E	15	7	<1	480	<1	1	<10	6.6	421	<0.5
L-11600N-90675E	9	6	<1	670	<1	1	<10	3.0	81	<0.5
L-11600N-90700E	20	9	<1	340	<1	1	<10	11.2	722	<0.5
L-11600N-90725E	20	8	<1	410	<1	2	<10	11.0	130	<0.5
L-11600N-90750E	33	21	<1	960	<1	4	<10	23.0	163	<0.5
L-11600N-90775E	<5	1	<1	840	<1	<1	<10	<0.5	<3	<0.5
L-11600N-90800E	<5	<1	<1	750	<1	<1	<10	0.9	16	<0.5
L-11600N-90825E	<5	4	<1	1440	<1	1	<10	<0.5	<3	<0.5
L-11600N-90850E	6	4	<1	1540	<1	1	<10	<0.5	<3	<0.5
L-11600N-90875E	<5	1	<1	630	<1	<1	<10	0.9	<3	<0.5
L-11600N-90900E	<5	<1	<1	860	<1	<1	<10	<0.5	<3	<0.5
L-11600N-90925E	<5	<1	<1	1050	<1	<1	<10	<0.5	<3	<0.5
L-11600N-90950E	<5	<1	<1	1040	<1	<1	<10	<0.5	<3	<0.5
L-11600N-90975E	<5	<1	<1	2020	<1	<1	<10	<0.5	5	<0.5
L-11600N-91000E	7	7	<1	830	<1	2	<10	1.7	<3	<0.5
L-11600N-91025E	<5	1	<1	910	<1	<1	<10	0.9	<3	<0.5
L-11600N-91050E	<5	<1	<1	890	<1	<1	<10	<0.5	<3	<0.5
L-11550N-90200E	26	10	<1	270	<1	2	<10	12.3	611	<0.5
L-11550N-90225E	21	12	<1	320	<1	2	<10	28.1	698	<0.5
L-11550N-90250E	35	13	<1	220	<1	2	<10	19.7	2170	<0.5
L-11550N-90275E	21	8	<1	370	<1	1	<10	9.9	1140	<0.5
L-11550N-90300E	24	7	<1	330	<1	1	<10	11.4	643	<0.5
L-11550N-90325E	22	9	<1	270	<1	1	<10	14.8	504	<0.5
L-11550N-90350E	66	44	<1	440	<1	8	<10	22.2	491	<0.5
L-11550N-90375E	37	18	<1	350	<1	3	<10	11.5	656	<0.5
L-11550N-90400E	29	12	<1	350	<1	2	<10	13.6	761	<0.5
L-11550N-90425E	7	7	<1	820	<1	2	<10	1.4	<3	<0.5
L-11550N-90450E	30	15	<1	230	<1	2	<10	25.8	1120	<0.5
L-11550N-90475E	29	6	<1	200	<1	<1	<10	14.1	952	<0.5
L-11550N-90500E	8	3	<1	780	<1	<1	<10	3.1	142	<0.5
L-11550N-90525E	8	3	<1	720	<1	<1	<10	2.9	171	<0.5
L-11550N-90550E	42	12	<1	230	<1	2	<10	20.2	1500	<0.5
L-11550N-90575E	214	239	<1	210	<1	46	<10	39.3	320	<0.5
L-11550N-90600E	27	14	<1	520	<1	3	<10	12.9	409	<0.5
					ana			****		*****

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Element Method	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5	Te MMI-M5	Th MMI-M5	Ti MMI-M5	TI MMI-M5
Det.Lim.	D D	PPR	PPB	PPB	PPB	PPR	PPB	U.S PPB	ن PPR	U.5 PPR
01115 1_11550N_90625E	12	6	<1	500	<1	-1	<10	71	651	<05
L-11550N-90650E	20	5	<1	400	<1	<1	<10	8.1	732	~0.5 <0.5
1-11550N-90675E	20	ت 10	<1	680	<1	2	<10 <10	9.1	536	-0.0 <0.5
1_11550N_90700E	37	13	<1	320	<1	2	<10 <10	14.5	1050	0.0 105 <
1-11550N-90725E	<5		<1	620	<1	- <1	<10 <10	1.0	4	1.1
1-11550N-90750E	<5	- <1	<1	680	<1	<1	<10	<0.5	<3	0.7
L_11550NL90775E	<5	2	<1	1750	<1	<1	<10	0.0 0 6	11	ייים 10 ב
1_11550N_90800F	<5	<1	<1	890	<1	<1	<10 <10	0.0 <0.5	<3	~0.0 <0.5
1-11550N-90825E	<5	י <1	<1	920	<1	' <1	<10 <10	0.0 <0.5	<3	0.0 <0.5
1-11550N-90850F	<5	2	· <1	860	<1	<1	<10	<0.5	<3	<0.0
L_11550NL90875E	7	- 2	<1	1530	<1	<1	<10	0.0 <0.5	q	0.0 <0.5
1-11550N-90900F	<5	- <1	<1	880	<1	<1	<10	<0.5	<3	۵.۵ 1 0 S
1-11550N-90925F	<5	<1	<1	960	<1	<1	<10	<0.5	<3	<0.5
L-11550N-90950F	<5	<1	<1	950	<1	<1	<10	<0.0 <0.5	<3	<0.0 <0.5
1-11550N-90975E	8	- <1	<1	2040	<1	<1	<10	<0.5	<3	<0.5
1-11550N-91000F	5	7	<1	2070	<1	4	<10	<0.5	4	<0.5
1-11550N-91025F	18	15	<1	490	<1	3	<10	9.8	221	<0.5
I -11550N-91050F	5		<1	1030	<1	2	<10	1.9	<3	<0.5
1-11200N-90150F	18	24	<1	810	<1	- 5	<10	6.3	42	<0.5
	16	6	<1	560	<1	1	<10	4 3	395	<0.5
1-11200N-90200F	7	2	<1	660	<1	<1	<10	1.0	44	<0.5
1-11200N-90225F	24	- 13	<1	310	<1	2	<10	13.9	786	<0.0
	23	9	<1	490	<1	- 2	<10	9.8	436	<0.5
L-11200N-90275E	16	- 6	<1	550	<1	- 1	<10	6.7	829	<0.5
L-11200N-90300E	43	12	<1	740	<1	3	<10	5.5	246	<0.5
L-11200N-90325E	22	13	<1	580	<1	2	<10	9.6	325	<0.5
L-11200N-90350E	8	5	<1	500	<1	<1	<10	5.4	598	<0.5
L-11200N-90375E	18	7	<1	510	<1	1	<10	10.2	999	<0.5
L-11200N-90400E	18	9	<1	490	<1	2	<10	9.6	902	<0.5
L-11200N-90425E	23	16	<1	390	<1	3	<10	20.2	2010	<0.5
L-11200N-90450E	10	4	<1	540	<1	<1	<10	4.0	337	<0.5
*Dup L-11600N-90300E	16	15	<1	690	<1	4	<10	6.3	20	<0.5
*Dup L-11600N-90600E	17	7	<1	590	<1	2	<10	7.6	380	<0.5
*Dup L-11600N-90900E	<5	<1	<1	880	<1	<1	<10	<0.5	<3	<0.5
*Dup L-11550N-90325E	21	9	<1	270	<1	2	<10	16.5	517	<0.5
*Dup L-11550N-90625E	14	6	<1	500	<1	1	<10	6.3	610	<0.5
*Dup L-11550N-90925E	<5	<1	<1	950	<1	<1	<10	<0.5	<3	<0.5
*Dup L-11200N-90300E	32	9	<1	720	<1	3	<10	2.8	106	<0.5
*Std MMISRM14	8	3	<1	450	<1	<1	<10	17.4	<3	<0.5
*Std MMISRM14	8	3	<1	440	<1	<1	<10	17.4	<3	<0.5
*BIk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim. Units	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
L-11600N-90300E	18	<1	101	12	70	<5
L-11600N-90325E	10	<1	92	7	140	34
L-11600N-90350E	21	<1	118	9	30	35
L-11600N-90375E	5	<1	46	3	60	13
L-11600N-90400E	13	1	73	5	50	47
L-11600N-90425E	6	<1	36	3	170	34
L-11600N-90450E	10	<1	50	4	140	27
L-11600N-90475E	17	<1	54	5	40	32
L-11600N-90500E	6	<1	52	4	20	<5
L-11600N-90525E	4	<1	50	3	40	10
L-11600N-90550E	13	<1	48	4	60	59
L-11600N-90575E	11	<1	62	4	160	26
L-11600N-90600E	7	<1	54	3	50	11
L-11600N-90625E	4	<1	60	4	20	<5
L-11600N-90650E	4	<1	45	3	100	13
L-11600N-90675E	3	<1	42	3	50	<5
L-11600N-90700E	4	<1	46	3	80	27
L-11600N-90725E	24	<1	59	5	30	8
L-11600N-90750E	36	<1	117	10	30	31
L-11600N-90775E	38	<1	18	1	<20	<5
L-11600N-90800E	19	<1	6	<1	250	<5
L-11600N-90825E	65	<1	56	5	40	<5
L-11600N-90850E	62	<1	68	5	70	<5
L-11600N-90875E	8	<1	22	3	<20	<5
L-11600N-90900E	19	<1	<5	<1	30	<5
L-11600N-90925E	26	<1	18	1	540	<5
L-11600N-90950E	34	<1	9	<1	60	<5
L-11600N-90975E	26	<1	7	<1	90	<5
L-11600N-91000E	10	<1	43	3	<20	<5
L-11600N-91025E	22	<1	12	1	40	<5
L-11600N-91050E	13	<1	8	<1	<20	<5
L-11550N-90200E	7	<1	43	3	70	32
L-11550N-90225E	8	<1	57	4	40	47
L-11550N-90250E	7	1	85	5	260	72
L-11550N-90275E	4	<1	48	3	190	20
L-11550N-90300E	5	<1	35	3	130	32
L-11550N-90325E	6	<1	41	3	80	34
L-11550N-90350E	23	<1	204	15	60	30
L-11550N-90375E	12	<1	88	6	40	26
L-11550N-90400E	7	<1	71	5	520	24
L-11550N-90425E	19	<1	65	4	<20	<5
L-11550N-90450E	8	<1	60	4	200	43
L-11550N-90475E	6	<1	26	2	110	40
L-1155UN-905UUE	3	<1	23	2	80	<5 _
L-1155UN-90525E	2	<1	24	1	80	5
L-11550N-90550E	8	<1	64	5	200	48
L-1155UN-90575E	202	<1	1520	96 -	20	46
L-1155UN-90600E	7	<1	83	5	60	20

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Element	U	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1 DDB	1 900	5	1 900	20	5 900
		FFD 	20	רד <b>ט</b>		ГГ <b>Б</b> 20
L-11550N-90625E	ు	<li>&lt;1</li>	30	2	90	20
L-11550N-90050E	3	۱> اح	24 50	2	100	23 10
L-11550N-90075E	4	[> •	53	3	90	01 70
L-11550N-90700E	6	[>	/5	6	170	27
L-11550N-90725E	36	[>	33	4	<20	<5 -5
L-11550N-90750E	20	<1	10	1	20	<5 -
L-11550N-90775E	21	<1	40	3	100	<5
L-11550N-90800E	28	<1	<5	<1	<20	<5
L-11550N-90825E	1/	<1	13	2	20	<5
L-11550N-90850E	11	<1	48	5	<20	<5
L-11550N-90875E	41	<1	50	3	30	<5
L-11550N-90900E	59	<1	6	<1	30	<5
L-11550N-90925E	45	<1	<5	<1	<20	<5
L-11550N-90950E	11	<1	<5	<1	760	<5
L-11550N-90975E	75	<1	6	<1	250	<5
L-11550N-91000E	28	<1	227	19	50	<5
L-11550N-91025E	39	<1	124	10	50	15
L-11550N-91050E	13	<1	69	5	<20	<5
L-11200N-90150E	10	<1	152	11	40	<5
L-11200N-90175E	4	<1	43	3	60	10
L-11200N-90200E	1	<1	21	2	40	<5
L-11200N-90225E	6	<1	90	6	160	44
L-11200N-90250E	6	<1	53	4	90	18
L-11200N-90275E	3	<1	44	3	110	20
L-11200N-90300E	12	<1	85	7	40	16
L-11200N-90325E	9	<1	65	5	50	18
L-11200N-90350E	3	<1	23	2	30	15
L-11200N-90375E	3	<1	38	3	90	32
L-11200N-90400E	6	<1	54	5	320	24
L-11200N-90425E	4	<1	63	5	80	53
L-11200N-90450E	3	<1	23	2	50	11
*Dup L-11600N-90300E	19	<1	93	12	60	<5
*Dup L-11600N-90600E	8	<1	58	4	50	12
*Dup L-11600N-90900E	19	<1	<5	<1	<20	<5
*Dup L-11550N-90325E	7	<1	42	3	70	36
*Dup L-11550N-90625E	3	<1	32	2	100	20
*Dup L-11550N-90925E	37	<1	<5	<1	<20	<5
*Dup L-11200N-90300E	10	<1	76	8	20	7
*Std MMISRM14	32	<1	8	<1	330	10
*Std MMISRM14	33	<1	8	<1	320	9
*Blk BLANK	<1	<1	<5	<1	<20	<5
*BIK BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 096395

Date: Nov 22, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	PROJECT: BLIND
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	80
Date Submitted	Oct 17, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 80 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient Sample = No result
	*INF = Composition of this sample makes detection	n impossible by this method
	<i>M</i> after a result denotes ppb to ppm conversion, % de	notes ppm to % conversion
	Methods marked with an asterisk (e.g. *NAA08V) were	e subcontracted
	Subject to SGS	General Terms and Conditions

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Element Method	Ag MMI-M5 1	AI MMI-M5 1	As MMI-M5 10	Au MMI-M5 0.1	Ba MMI-M5 10	Bi MMI-M5 1	Ca MMI-M5 10	Cd MMI-M5 1	Ce MMI-M5	Co MMI-M5
Det.Lim. Unite	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
1-0+00E-0+00N	4	108	<10	0.1	1770	<1	160	8	317	21
1-0+00E-0+25N	3	199	<10	<0.1	670	<1	160	24	168	125
1-0+00E-0+50N	5	116	<10	0.2	1090	<1	270	 18	153	 60
L-0+00E-0+75N	13	79	<10	0.3	2480	<1	260	7	200	22
L-0+00E-1+00N	.0	164	<10	0.1	1650	<1	180	8	335	
L-0+00E-1+25N	3	102	<10	<0.1	1930	<1	200	- 8	252	13
L-0+00E-1+50N	3	30	<10	0.3	2250	<1	210	5	72	<5
L-0+00E-1+75N	3	208	<10	<0.1	1160	<1	120	14	191	38
L-0+00E-2+00N	11	44	<10	0.3	2890	<1	270	8	250	55
L-0+00E-2+25N	4	136	<10	<0.1	1550	<1	210	28	439	24
L-0+00E-2+50N	4	132	<10	0.1	1400	<1	210	8	329	20
L-0+00E-2+75N	3	54	<10	<0.1	1790	<1	270	7	114	 12
L-0+00E-3+00N	4	140	<10	0.1	1960	<1	170	3	430	33
L-0+00E-3+25N	4	61	<10	0.2	1570	<1	240	7	118	10
L-0+00E-3+50N	6	66	<10	<0.1	1170	<1	310	37	407	52
L-0+00E-3+75N	3	9	<10	<0.1	290	<1	130	3	12	82
L-0+00E-4+00N	5	7	<10	0.3	340	<1	80	3	15	
L-0+00E-4+25N	2	17	<10	<0.1	320	<1	90	14	31	
L-0+00E-4+50N	6	2	<10	0.4	310	<1	140	9	9	9
L-0+00E-4+75N	3	7	<10	<0.1	210	<1	130	7	20	24
L-0+00E-5+00N	4	<1	<10	0.1	340	<1	200	11	<5	38
L-0+00E-5+25N	2	13	<10	<0.1	300	<1	140	10	15	281
L-0+00E-5+50N	2	8	<10	<0.1	190	<1	140	7	8	46
L-0+00E-5+75N	3	1	<10	<0.1	350	<1	140	10	9	18
L-0+00E-6+00N	4	98	<10	<0.1	310	<1	240	17	35	83
L-0+00E-6+25N	7	75	<10	<0.1	510	<1	220	4	82	102
L-0+00E-6+50N	6	111	<10	<0.1	580	<1	260	15	90	42
L-0+00E-6+75N	5	90	<10	<0.1	650	<1	230	5	181	99
L-0+00E-7+00N	6	82	<10	<0.1	490	<1	300	10	134	17
L-0+00E-7+25N	2	141	<10	<0.1	700	<1	190	7	183	39
L-0+00E-7+50N	2	139	<10	<0.1	680	<1	170	9	179	37
L-0+00E-7+75N	3	108	<10	<0.1	650	<1	180	9	122	37
L-0+00E-8+00N	3	148	<10	<0.1	390	<1	220	6	306	25
L-0+00E-8+25N	3	139	<10	<0.1	500	<1	180	2	402	38
L-0+00E-8+50N	3	>300	<10	<0.1	630	<1	90	5	442	57
L-0+00E-8+75N	3	51	<10	<0.1	800	<1	240	9	183	22
L-0+00E-9+00N	3	101	<10	<0.1	540	<1	230	8	352	78
L-0+00E-9+25N	7	33	<10	0.1	870	<1	390	7	12	<5
L-0+00E-9+50N	17	8	<10	0.2	1140	<1	600	19	<5	<5
L-0+00E-9+75N	4	24	<10	<0.1	670	<1	300	7	22	10
L-0+00E-10+00N	2	39	<10	<0.1	590	<1	270	11	45	31
L-0+00E-10+25N	7	45	<10	0.2	980	<1	300	13	211	34
L-0+00E-10+50N	3	123	<10	<0.1	930	<1	230	6	350	40
L-0+00E-10+75N	13	90	<10	0.2	1190	<1	360	6	266	<5
L-0+00E-11+00N	3	132	<10	<0.1	920	<1	150	9	589	49
L-0+00E-11+25N	20	13	<10	3.1	880	<1	670	12	10	17
L-0+00E-11+50N	6	38	<10	0.2	1020	<1	350	9	109	9
L-0+00E-11+75N	6	35	<10	0.1	1270	<1	300	6	66	6

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Element Method	Ag MMI-M5	AI MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
Det Lim	1	1	10	0.1	10	1	10	1	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-0+00E-12+00N	5	44	<10	0.1	980	<1	200	6	255	35
L-0+00E-12+25N	5	25	<10	0.1	570	<1	160	7	32	11
L-0+00E-12+50N	5	5	<10	0.1	550	<1	180	6	9	16
L-10700N-90400E	69	73	<10	<0.1	1290	<1	320	37	42	50
L-10700N-90425E	15	86	30	<0.1	1810	<1	190	9	36	78
L-10700N-90450E	34	92	20	<0.1	2450	<1	200	18	43	105
L-10700N-90475E	19	59	20	<0.1	2840	<1	170	7	44	106
L-10700N-90500E	24	11	10	<0.1	2960	<1	350	6	12	44
L-10700N-90525E	5	3	<10	0.2	1120	<1	400	62	<5	55
L-10700N-90550E	36	2	10	0.9	2220	<1	570	9	7	188
L-10700N-90575E	15	10	<10	0.3	1700	<1	490	9	<5	7
L-10700N-90600E	9	18	<10	0.1	6760	<1	640	29	14	25
L-10700N-90625E	7	25	10	0.3	4960	<1	440	7	11	141
L-10700N-90650E	10	114	100	<0.1	3090	1	160	7	114	139
L-10700N-90675E	L.N.R.									
L-10700N-90700E	16	8	<10	0.3	4590	<1	530	8	18	31
L-10700N-90725E	9	73	110	<0.1	3710	<1	210	6	41	183
L-10700N-90750E	30	45	20	0.1	2770	<1	480	27	43	55
L-10700N-90775E	L.N.R.									
L-10700N-90800E	4	54	<10	<0.1	8020	<1	710	8	17	164
L-10500N-90525E	28	62	50	0.3	2030	<1	300	8	121	100
L-10500N-90550E	16	29	20	0.2	1690	<1	340	6	11	47
L-10500N-90575E	22	35	<10	0.1	4170	<1	400	13	8	166
L-10500N-90600E	17	16	<10	<0.1	3070	<1	310	8	8	48
L-10500N-90625E	17	68	20	0.1	4220	<1	420	24	62	31
L-10500N-90650E	6	96	<10	<0.1	2510	<1	480	37	59	69
L-10500N-90675E	3	10	<10	<0.1	1420	<1	490	51	<5	28
L-10500N-90700E	13	41	50	0.2	1830	<1	400	11	53	86
L-10500N-90725E	13	13	<10	<0.1	1940	<1	480	22	<5	21
L-10500N-90750E	9	130	30	0.3	3570	15	850	22	104	177
L-10500N-90775E	11	14	<10	0.8	2950	<1	500	11	10	26
L-10500N-90800E	10	19	<10	0.6	4940	<1	480	7	24	41
*Dup L-0+00E-0+00N	3	104	<10	<0.1	1910	<1	160	6	315	21
*Dup L-0+00E-3+00N	4	140	<10	0.1	1980	<1	170	3	400	43
*Dup L-0+00E-6+00N	3	95	<10	<0.1	360	<1	230	22	36	87
*Dup L-0+00E-9+00N	3	98	<10	<0.1	630	<1	220	8	485	95
*Dup L-0+00E-12+00N	6	44	<10	<0.1	1020	<1	210	8	284	43
*Dup L-10700N-90625E	6	20	10	0.2	4760	<1	440	9	7	112
*Dup L-10500N-90625E	17	81	30	<0.1	4290	<1	410	23	66	43
*Std MMISRM14	22	43	<10	45.8	80	<1	320	9	16	45
*Std MMISRM14	23	45	10	46.1	260	<1	310	9	15	48
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Dat Lim	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-0+00E-0+00N	100	460	62	29.0	16.0	18	77	171	<5	64
L-0+00E-0+25N	300	470	27	13.4	6.6	63	31	63	<5	36
L-0+00E-0+50N	<100	700	32	16.3	7.5	34	36	57	<5	62
L-0+00E-0+75N	<100	800	241	132	67.4	12	311	441	<5	61
L-0+00E-1+00N	<100	700	78	35.1	20.8	21	97	190	<5	60
L-0+00E-1+25N	<100	340	47	21.8	13.2	16	61	158	<5	55
L-0+00E-1+50N	<100	410	34	17.1	8.9	6	44	64	<5	76
L-0+00E-1+75N	200	210	35	16.0	8.1	40	36	84	<5	26
L-0+00E-2+00N	<100	740	120	68.5	27.7	10	148	189	<5	88
L-0+00E-2+25N	<100	390	76	35.7	17.5	23	84	174	<5	73
L-0+00E-2+50N	100	440	117	61.4	28.0	27	131	174	<5	48
L-0+00E-2+75N	<100	240	78	46.0	16.8	12	80	78	<5	46
L-0+00E-3+00N	<100	350	98	49.3	23.1	23	107	244	<5	32
L-0+00E-3+25N	<100	370	78	45.8	16.6	13	86	83	<5	58
L-0+00E-3+50N	<100	1280	129	75.7	26.7	17	136	117	<5	71
L-0+00E-3+75N	100	150	23	12.7	5.4	4	27	12	<5	242
L-0+00E-4+00N	<100	160	19	10.0	4.8	2	23	14	<5	263
L-0+00E-4+25N	<100	190	22	9.4	6.6	3	30	20	<5	283
L-0+00E-4+50N	<100	370	17	8.7	4.8	1	22	9	<5	300
L-0+00E-4+75N	<100	320	9	4.3	3.0	6	14	14	<5	226
L-0+00E-5+00N	<100	550	25	14.3	4.7	2	25	4	<5	395
L-0+00E-5+25N	<100	280	14	7.0	3.1	4	16	6	<5	255
L-0+00E-5+50N	<100	140	25	13.3	5.9	2	29	6	<5	242
L-0+00E-5+75N	<100	160	23	10.2	6.1	1	29	6	<5	357
L-0+00E-6+00N	<100	300	46	26.6	8.0	16	41	18	<5	141
L-0+00E-6+25N	<100	430	53	28.2	11.5	10	58	56	<5	139
L-0+00E-6+50N	<100	470	97	53.7	17.0	13	86	50	<5	127
L-0+00E-6+75N	<100	360	66	31.5	17.2	8	80	115	<5	157
L-0+00E-7+00N	<100	460	60	28.5	16.4	8	74	95	<5	160
L-0+00E-7+25N	100	150	36	16.3	10.1	26	42	77	<5	93
L-0+00E-7+50N	200	90	29	13.1	8.4	32	36	76	<5	89
L-0+00E-7+75N	<100	140	34	15.9	9.0	19	40	52	<5	130
L-0+00E-8+00N	<100	220	54	23.4	17.1	34	72	137	<5	90
L-0+00E-8+25N	<100	170	48	19.3	15.4	20	64	191	<5	76
L-0+00E-8+50N	<100	280	90	36.8	25.6	50	103	170	<5	31
L-0+00E-8+75N	<100	280	39	17.1	13.1	13	57	118	<5	95
L-0+00E-9+00N	100	340	58	24.6	19.7	20	82	185	<5	90
L-0+00E-9+25N	<100	490	9	3.7	3.7	7	16	20	<5	33
L-0+00E-9+50N	<100	790	12	9.4	2.2	3	13	6	<5	103
L-0+00E-9+75N	<100	470	13	6.1	4.4	7	20	27	<5	85
L-0+00E-10+00N	<100	300	28	14.1	7.5	7	33	33	<5	142
L-0+00E-10+25N	100	710	98	48.1	24.6	9	122	214	<5	118
L-0+00E-10+50N	<100	280	48	21.3	14.0	48	64	169	<5	105
L-0+00E-10+75N	<100	940	108	50.8	38.0	13	159	249	<5	79
L-0+00E-11+00N	300	360	72	32.4	23.1	37	97	275	<5	26
L-0+00E-11+25N	<100	1910	5	2. <b>8</b>	1.9	6	9	8	<5	32
L-0+00E-11+50N	<100	780	41	20.5	14.9	9	64	95	<5	81
L-0+00E-11+75N	<100	430	41	19.5	15.1	7	62	102	<5	89

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Element Method Det.Lim.	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-0+00E-12+00N	100	490	68	31.7	24.3	15	100	209	<5	110
L-0+00E-12+25N	100	470	46	23.2	14.7	4	65	47	<5	210
L-0+00E-12+50N	100	300	35	17.4	9.5	2	44	16	<5	310
L-10700N-90400E	<100	180	6	2.6	1.4	38	7	17	<5	64
L-10700N-90425E	200	140	4	1.8	0.9	85	5	20	6	29
L-10700N-90450E	200	210	5	2.7	1.2	101	6	22	<5	31
L-10700N-90475E	100	160	5	2.3	1.1	54	6	19	<5	38
L-10700N-90500E	<100	160	2	0.9	<0.5	12	2	4	<5	133
L-10700N-90525E	<100	1270	2	2.0	<0.5	5	2	1	9	71
L-10700N-90550E	<100	1590	4	3.1	<0.5	6	3	4	11	91
L-10700N-90575E	<100	580	7	4.6	1.0	6	6	3	15	111
L-10700N-90600E	<100	300	11	8.4	1.3	7	8	6	<5	137
L-10700N-90625E	<100	340	7	4.8	0.8	6	6	5	<5	232
L-10700N-90650E	500	180	12	6.2	3.2	114	14	49	8	123
L-10700N-90675E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90700E	<100	230	23	16.1	2.9	3	20	8	<5	141
L-10700N-90725E	200	140	6	3.2	1.3	67	7	19	<5	133
L-10700N-90750E	<100	320	10	4.7	1.9	30	12	17	<5	70
L-10700N-90775E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90800E	<100	140	9	7.7	1.0	8	8	9	<5	89
L-10500N-90525E	200	190	14	6.6	3.7	52	18	40	<5	133
L-10500N-90550E	<100	100	3	1.7	<0.5	17	3	4	<5	147
L-10500N-90575E	<100	180	6	4.3	0.7	7	5	3	<5	143
L-10500N-90600E	<100	140	4	2.2	<0.5	6	3	3	<5	178
L-10500N-90625E	<100	220	12	6.3	2.6	27	14	32	<5	53
L-10500N-90650E	<100	190	11	6.9	2.3	37	12	19	<5	91
L-10500N-90675E	<100	570	6	5.6	0.7	7	4	1	18	97
L-10500N-90700E	<100	220	5	2.4	1.3	29	6	13	<5	63
L-10500N-90725E	<100	160	<1	0.5	<0.5	10	<1	<1	<5	121
L-10500N-90750E	<100	960	31	18.2	6.4	117	32	28	13	208
L-10500N-90775E	<100	1010	9	6.0	1.5	11	9	5	11	119
L-10500N-90800E	<100	1340	13	7.5	2.1	12	13	12	7	129
*Dup L-0+00E-0+00N	100	440	55	25.5	14.7	18	67	171	<5	64
*Dup L-0+00E-3+00N	100	350	86	43.3	20.4	28	95	228	<5	34
*Dup L-0+00E-6+00N	<100	310	46	26.7	7.6	16	38	18	<5	127
*Dup L-0+00E-9+00N	200	360	59	23.9	22.3	31	90	238	<5	100
*Dup L-0+00E-12+00N	100	550	68	31.8	24.5	16	102	212	<5	117
*Dup L-10700N-90625E	<100	310	7	4.6	0.8	4	5	3	<5	198
*Dup L-10500N-90625E	100	230	13	7.0	2.7	34	15	34	<5	53
*Std MMISRM14	<100	800	1	0.6	0.6	2	3	3	<5	39
*Std MMISRM14	<100	840	1	0.5	0.7	2	3	3	<5	41
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5 5	Nb MMI-M5	Nd MMI-M5 1	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5 1	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5 1
Det.Lim.	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
	<5	1 /	264	330	10	-1	50	5	60	
1_0+00E_0+25N	~5 <5	1.4	20 <del>4</del> 02	350	70	ا - 1 ح	21	ا - 1 ح	108	ا ۲ 1>
1-0+00E-0+50N	<5	4.0 0 7	100	523	50 50	 <1	21	<1	100	 <1
1_0+00E_0+75N	<5	<0.7	877	348	50	۱- 1>	173	۱- 1>		 1>
1_0+00E_1+00N	~5 <5	0.0 0.6	318	341	60	ا- 1>	70	<1	74	י۔ 1>
L-0+00E-1+25N	<5	0.0	216	130	40	<1	۲۵ ۸۹	<1	57	<1
1_0+00E_1+20N	<5	0.0 <0.5	127	55		 <1		 <1	36	 <1
-0+00E-1+75N	-5	-0.5	112	218	10	ا- 1ء	27	، ا- 1-2	50	-1
1_0+00E-2+00N	-J ~5	2.1 <0.5	386	210 50/	40 30	، ا 21	20 71	יר ר <i>י</i>	20	ا ۲ 1 ح
0+00E 2+25N	-5	-0.5	270	104 /0/	40	-1	61	-1	52	-1
L-0+00E-2+23N	~5 ~5	1.2	270	434 010	40	ı - 1-	72	ı < اح	72	-1
1 0+00E 2+75N	~J 	-0.5	182	212 52	30 20	، اح 1 ح	7 J 2/	۱ - ۲۰	7 J 20	۱ ~ 1 ~
0.000E-2:7314		-0.5	222	116	20	-1	74	-1	53	ı < 1 //
L-0+00L-3+00N	~5	1.5	10/	62	20	-1	74 25	ا ۲ ا ح	04 16	~1
L-0+00E-3+20N	>5 ~5	-0.5	200	572	20	-1 -1	50		40	~1
L-0+00E-3+35N	~5	~0.5	12	12400	-10	ı - 1/	7	-1	+J 20	-1
	~J ~E	~0.J ~0.5	4J 47	12400	~10	-1	1	-1	23 24	-1
	-) ~5	~0.J ~0.5	47 70	10200	>10 10	-۱ 1-	0 11	- ۱ ۲۱ -	24 16	ı < 1 /
	~J ~5	~0.5	27	10200	/10	-1		-1	10	~1
	~J ~E	~0.5	27	5700	~10	-1	5	-1	41	ı < 1 ح
	>3 ∠E	>0.5 <0.5	37 14	15200	>10 ~10	-1	י ר	۱< 1-	37 10	-1
	C> حد	<0.5 <0.5	14	10000	<10 10	۱> اد	2	۲ اد	19 11	۲ 1 د
	~⊃ ∠5	<0.5 <0.5	01 77	12600	10 ~10	۱~ ۲-	ی ۱	۱۲ ۲۰	7	ا < 1 ہے
	-5 -5	~U.3 -0.5	21	7610	10	۱ <i>۲</i> اد	4	<u>  </u>	1	~
	C~	<0.5 0.7	3U 40	1450	10	> 	4	1>	20	~ 1~
	C^ حد	U.7	40	1400	40 70	~	0 20	<b>/</b>	0 20	~ 
	C^ حد	<0.5 <0.5	110	1000	7U 20	۲ اح	20	۲ اد	20 27	< 1 -
	<>> ~E	<0.5	100	1690	30	> _1	21	> /1	31 65	> /1
	~5 ~5	>0.5 -0.5	199	1000	3U 10	~  -	00 20		00 60	ı < 1-
	50; 	5U.3	190	901	1U: 40	> 	30: 20:		0U 00	> 
	C> حد	1.7	104	090	40	۲ امر	29	۱ <i>۲</i> اد	09	۲ 1- د
	~5 ~5	1.0	124	1170	40	۱ <i>۲</i> ام	20	S   	100	~
L-0+00E-7+75N	<0	0.7	108	1170	3U	>	21	~	120	> 
	<->	2.0	202	/09	20	~	50	~	03	~
	<0. ~5	2.1	204	479	ას <sub>:</sub> ეი:	~  -	00 70	~  -	100	~  ~
	<->	4.0	349	703	30	~	/ 3	<i>۲</i>	109	~ 1 د
L-0+00E-8+75N	<>	0.5	208	181	40	>	42	>	83	>
	<0 ~5	U.8 -0.5	298	1010	2U ~10	~	CO	<b> </b> 	/ I E A	~
L-0+00E-9+23N	~o -r	×0.5 مەر	00	199	VI ~	~	9	<i>۲</i>	04 40	~
L-0+00E-9+50N	<5 -5	<0.5 -0.5	14 57	208	< U	>	2 10	>	13	> 4-
L-0+00E-9+75N	<5 ~5	<0.5	57	339	<10	[> **	10	>	44	> ••
	<5 	<0.5 -0.5	200	3730	20	[> در	13	[> 	12	[> امہر
L-U+UUE-1U+25N	<5	<0.5	308	3790	20	<1	54	<1	29	<1
L-U+UUE-1U+5UN	<5 - F	1.4	248	628 FF4	30	<1 	56	<1 	82	<1 
L-U+UUE-TU+/5N	<5	<0.5	494	551	20	[> در	97	<1	90	<1 
L-U+UUE-11+UUN	<5	3.1	386	848	40	<1	91	<1	111	<1
L-U+UUE-11+25N	<5	<0.5	18	246	<10	1	3	<1	9	<1
L-U+UUE-11+5UN	<5	0.7	197	603	10	<1	37	<1	48	<1
L-U+UUE-11+/5N	<5	<0.5	200	259	<10	<1	38	<1	89	<1

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Element	Mo Manal Nac		Nd Manal Mas	Ni Manal Mas	Pb MANAL MAS	Pd	Pr MADAL DAS	Pt MANAL NAS	Rb	Sb
Method	1011011-1015			1011011-1010					1011011-1015	1111111111111
Det.Lim. Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L-0+00E-12+00N	<5	0.7	351	1380	20	<1	73	<1	84	<1
L-0+00E-12+25N	<5	<0.5	136	5090	<10	<1	22	<1	45	<1
L-0+00E-12+50N	<5	<0.5	62	11500	40	<1	8	<1	15	<1
L-10700N-90400E	8	3.4	20	549	50	<1	5	<1	222	<1
L-10700N-90425E	8	3.3	18	485	90	<1	5	<1	132	<1
L-10700N-90450E	7	2.9	22	891	110	<1	6	<1	125	<1
L-10700N-90475E	7	1.5	19	678	70	<1	5	<1	119	<1
L-10700N-90500E	<5	<0.5	5	734	<10	<1	1	<1	84	<1
L-10700N-90525E	<5	<0.5	1	2950	<10	<1	<1	<1	12	5
L-10700N-90550E	8	<0.5	6	9580	<10	<1	1	<1	72	3
L-10700N-90575E	<5	<0.5	6	8500	<10	<1	1	<1	167	1
L-10700N-90600E	<5	<0.5	10	2050	30	<1	2	<1	145	<1
L-10700N-90625E	<5	<0.5	7	3640	20	<1	1	<1	60	<1
L-10700N-90650E	10	5.2	52	1600	90	<1	13	<1	261	2
L-10700N-90675E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90700E	<5	<0.5	16	3040	20	<1	3	<1	14	<1
L-10700N-90725E	<5	3.3	23	1450	40	<1	6	<1	147	2
L-10700N-90750E	11	0.7	32	1450	20	<1	6	<1	511	<1
L-10700N-90775E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90800E	<5	<0.5	12	1070	10	<1	3	<1	143	<1
L-10500N-90525E	5	1.4	56	2290	80	<1	13	<1	102	1
L-10500N-90550E	<5	<0.5	5	2020	30	<1	1	<1	103	<1
L-10500N-90575E	<5	<0.5	4	3380	70	<1	<1	<1	82	<1
L-10500N-90600E	<5	<0.5	4	3940	30	<1	<1	<1	147	<1
L-10500N-90625E	<5	1.0	45	970	40	<1	10	<1	525	<1
L-10500N-90650E	<5	0.7	31	910	50	<1	7	<1	130	<1
L-10500N-90675E	7	<0.5	3	6250	40	<1	<1	<1	38	<1
L-10500N-90700E	<5	1.3	17	399	20	<1	4	<1	270	<1
L-10500N-90725E	<5	<0.5	<1	637	10	<1	<1	<1	77	<1
L-10500N-90750E	21	1.2	64	5780	50	<1	12	<1	76	3
L-10500N-90775E	<5	<0.5	10	6440	10	<1	2	<1	43	<1
L-10500N-90800E	<5	<0.5	21	3500	<10	<1	4	<1	63	<1
*Dup L-0+00E-0+00N	<5	0.7	245	343	30	<1	56	<1	55	<1
*Dup L-0+00E-3+00N	<5	1.9	300	112	30	<1	68	<1	60	<1
*Dup L-0+00E-6+00N	<5	0.6	50	1430	30	<1	9	<1	6	<1
*Dup L-0+00E-9+00N	<5	1.3	364	1580	20	<1	82	<1	69	<1
*Dup L-0+00E-12+00N	<5	0.6	356	1620	20	<1	75	<1	87	<1
*Dup L-10700N-90625E	<5	<0.5	5	3290	20	<1	<1	<1	60	<1
*Dup L-10500N-90625E	<5	1.5	46	998	50	<1	11	<1	540	<1
*Std MMISRM14	40	<0.5	11	251	80	50	2	<1	309	<1
*Std MMISRM14	40	<0.5	11	270	80	51	2	<1	303	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method	Sc MMI-M5 5	Sm MMI-M5	Sn MMI-M5 1	Sr MMI-M5 10	Ta MMI-M5 1	Tb MMI-M5 1	Te MMI-M5	Th MMI-M5	Ti MMI-M5 2	TI MMI-M5
Det.Lim.	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
1-0+00F-0+00N	102	67	<1	530	<1	12	<10	12 7	516	<0.5
1-0+00F-0+25N	106	25	<1	320	<1		<10	14 1	3150	<0.5
-0+00F-0+50N	66	 28	<1	550	<1	6	<10	8.9	231	<0.5
- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	116	235	<1	1260	<1	44	<10	11.4	111	<0.5
L-0+00E-1+00N	87	82	<1	510	<1	15	<10	15.4	286	<0.5
L-0+00E-1+25N	46	51	<1	760		9	<10	8.4	574	<0.5
I -0+00F-1+50N	21	33	<1	1030	<1	- 6	<10	3 1	178	<0.5
 L-0+00E-1+75N	80	31	<1	260	<1	6	<10	13.2	1410	<0.5
L-0+00E-2+00N	63	106	<1	1390	<1	21	<10	6.2	96	<0.5
L-0+00E-2+25N	105	68	<1	650	<1	14	<10	10.5	630	<0.5
L-0+00E-2+50N	152	102	<1	670	<1	20	<10	11.2	1500	<0.5
L-0+00E-2+75N	79	55	<1	1050		13	<10	2.8	618	<0.5
L-0+00E-3+00N	156	85	<1	600	<1	17	<10	10.8	1350	<0.5
L-0+00E-3+25N	75	58	<1	860	<1	13	<10	4.4	773	<0.5
L-0+00E-3+50N	92	93	<1	780	<1	22	<10	5.0	240	<0.5
L-0+00E-3+75N	37	17	<1	250	<1	4	<10	<0.5	<3	<0.5
L-0+00E-4+00N	41	16	<1	210	<1	3	<10	0.7	<3	<0.5
L-0+00E-4+25N	12	24	<1	180	<1	4	<10	<0.5	<3	<0.5
L-0+00E-4+50N	9	15	<1	240	<1	3	<10	<0.5	<3	<0.5
L-0+00E-4+75N	7	11	<1	150	<1	2	<10	1.0	3	<0.5
L-0+00E-5+00N	7	11	<1	270	<1	4	<10	<0.5	<3	<0.5
L-0+00E-5+25N	10	10	<1	230	<1	2	<10	<0.5	<3	<0.5
L-0+00E-5+50N	6	17	<1	250	<1	4	<10	<0.5	<3	<0.5
L-0+00E-5+75N	7	18	<1	360	<1	4	<10	<0.5	<3	<0.5
L-0+00E-6+00N	26	21	<1	550	<1	7	<10	1.0	139	<0.5
L-0+00E-6+25N	16	35	<1	540	<1	9	<10	0.7	21	<0.5
L-0+00E-6+50N	34	46	<1	770	<1	15	<10	1.8	36	<0.5
L-0+00E-6+75N	25	54	<1	580	<1	12	<10	1.2	20	<0.5
L-0+00E-7+00N	17	52	<1	810	<1	11	<10	0.8	40	<0.5
L-0+00E-7+25N	23	33	<1	510	< <u>1</u>	6	<10	4.6	449	<0.5
L-0+00E-7+50N	20	29	<1	470	<1	5	<10	5.2	450	<0.5
L-0+00E-7+75N	16	30	<1	520	<1	6	<10	2.3	136	<0.5
L-0+00E-8+00N	23	60	<1	520	<1	10	<10	5.1	388	<0.5
L-0+00E-8+25N	20	55	<1	460	<1	9	<10	5.1	644	<0.5
L-0+00E-8+50N	49	84	<1	280	<1	16	<10	8.5	1050	0.8
L-0+00E-8+75N	9	47	<1	710	<1	8	<10	2.8	73	<0.5
L-0+00E-9+00N	25	68	<1	460	<1	11	<10	4.9	147	<0.5
L-0+00E-9+25N	<5	14	<1	570	<1	2	<10	1.9	14	<0.5
L-0+00E-9+50N	<5	5	<1	1220	<1	2	<10	<0.5	<3	<0.5
L-0+00E-9+75N	8	15	<1	670	<1	3	<10	2.4	24	<0.5
L-0+00E-10+00N	15	21	<1	500	<1	5	<10	<0.5	6	<0.5
L-0+00E-10+25N	27	84	<1	890	<1	17	<10	2.2	14	<0.5
L-0+00E-10+50N	26	54	<1	600	<1	9	<10	7.9	342	<0.5
L-0+00E-10+75N	27	124	<1	1000	<1	21	<10	4.4	24	<0.5
L-0+00E-11+00N	68	88	<1	310	<1	14	<10	22.4	820	<0.5
L-0+00E-11+25N	7	6	<1	1380	<1	1	<10	1.4	<3	<0.5
L-0+00E-11+50N	12	49	<1	930	<1	8	<10	7.1	21	<0.5
L-0+00E-11+75N	15	50	<1	830	<1	8	<10	4.0	30	<0.5

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Element	Sc	Sm	Sn	Sr	Та	Tb	Те	Th	Ti	TI
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
	35	 83	<1	590	<1	12	<10	18	121	<05
L-0+00E-12+25N	20	45	<1	410	<1	13 Q	<10	4.0	<2	~0.0 <0.5
I -0+00E-12+50N	11		<1	380	<1	6 6	<10	 <በ 5	<3	0.0 <0.5
1-10700N-90400F	12	 6	<1	610	<1	1	<10	4 4	779	-0.0 <0.5
L-10700N-90425E	21	4	<1	440	<1	<1	<10	6.1	1340	<0.5
L-10700N-90450E	24	5	<1	540	<1	<1	<10	7.2	839	<0.5
L-10700N-90475E	11	5	<1	480	<1	<1	<10	4.9	572	<0.5
L-10700N-90500E	<5	2	<1	850	<1	<1	<10	1.5	90	<0.5
L-10700N-90525E	<5	1	<1	980	<1	<1	<10	<0.5	<3	<0.5
L-10700N-90550E	<5	2	<1	1170	<1	<1	<10	<0.5	<3	<0.5
L-10700N-90575E	<5	3	<1	900	<1	1	<10	<0.5	<3	<0.5
L-10700N-90600E	6	4	<1	1610	<1	1	<10	0.5	<3	0.8
L-10700N-90625E	<5	3	<1	2190	<1	<1	<10	<0.5	<3	0.9
L-10700N-90650E	32	12	<1	460	<1	2	<10	9.2	1810	<0.5
L-10700N-90675E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90700E	7	9	<1	1090	<1	3	<10	<0.5	<3	<0.5
L-10700N-90725E	19	6	<1	460	<1	1	<10	4.6	842	<0.5
L-10700N-90750E	12	9	<1	630	<1	2	<10	5.3	150	<0.5
L-10700N-90775E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90800E	7	4	<1	2050	<1	1	<10	<0.5	<3	0.7
L-10500N-90525E	25	14	<1	880	<1	3	<10	6.3	526	<0.5
L-10500N-90550E	7	2	<1	900	<1	<1	<10	1.0	60	<0.5
L-10500N-90575E	8	2	<1	1330	<1	<1	<10	<0.5	21	<0.5
L-10500N-90600E	7	2	<1	1080	<1	<1	<10	<0.5	36	<0.5
L-10500N-90625E	10	11	<1	510	<1	2	<10	3.8	244	<0.5
L-10500N-90650E	14	9	<1	540	<1	2	<10	3.3	184	<0.5
L-10500N-90675E	<5	2	<1	1110	<1	<1	<10	<0.5	11	0.6
L-10500N-90700E	9	5	<1	510	<1	<1	<10	3.6	284	<0.5
L-10500N-90725E	<5	<1	<1	950	<1	<1	<10	<0.5	30	<0.5
L-10500N-90750E	44	22	<1	1730	<1	5	<10	4.5	301	1.0
L-10500N-90775E	6	5	<1	890	<1	1	<10	<0.5	5	<0.5
L-10500N-90800E	8	7	<1	1030	<1	2	<10	1.1	12	<0.5
*Dup L-0+00E-0+00N	98	60	<1	510	<1	10	<10	9.5	602	<0.5
*Dup L-0+00E-3+00N	151	76	<1	580	<1	15	<10	11.2	2090	<0.5
<sup>*</sup> Dup L-0+00E-6+00N	29	21	<1	630	<1	7	<10	1.0	160	<0.5
*Dup L-0+00E-9+00N	29	81	<1	440	<1	12	<10	6.6	204	<0.5
*Dup L-0+00E-12+00N	38	83	<1	5/0	<1	14	<10	3.8	131	0.6
Dup L-10700N-90625E	<5	2	<1	2150	<1	<1	<10	<0.5	<3	0.7
Dup L-10500N-90625E	16	12	<1	490	<1	2	<10	4.7	392	<0.5
	6	3	۲> ۱	630	<1	1>	<10	14.3	<3	<0.5
	6	3	<1	010	[>	<1	<1U -10	14.3	<3	<0.5
	<5 	[>	[1>	UI>	[>	[> •	<1U -10	<0.5 -0.5	<3	<0.5
	<2	<1	<1	<10	<1	<1	<10	<0.5	< ک	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim. Units	PPB	PPB	PPB	י PPB	20 PPB	PPB
L-0+00E-0+00N	14	1	313	22	110	33
L-0+00E-0+25N	7	1	140	10	210	54
L-0+00E-0+50N	8	<1	168	12	450	25
L-0+00E-0+75N	38	1	1590	98	160	30
L-0+00E-1+00N	15	<1	374	24	230	28
L-0+00E-1+25N	7	<1	254	15	170	35
L-0+00E-1+50N	6	<1	213	11	60	14
L-0+00E-1+75N	6	<1	161	11	170	53
L-0+00E-2+00N	15	<1	741	50	120	21
L-0+00E-2+25N	10	<1	386	25	410	38
L-0+00E-2+50N	15	<1	612	49	100	56
L-0+00E-2+75N	8	<1	484	36	90	26
L-0+00E-3+00N	9	<1	550	36	60	59
L-0+00E-3+25N	8	<1	507	35	90	34
L-0+00E-3+50N	10	<1	822	56	230	36
L-0+00E-3+75N	2	<1	142	10	30	<5
L-0+00E-4+00N	4	<1	129	8	40	<5
L-0+00E-4+25N	2	<1	105	7	130	<5
L-0+00E-4+50N	3	<1	99	7	60	<5
L-0+00E-4+75N	3	<1	56	3	60	<5
L-0+00E-5+00N	3	<1	144	12	50	<5
L-0+00E-5+25N	<1	<1	66	5	80	<5
L-0+00E-5+50N	<1	<1	128	9	60	<5
L-0+00E-5+75N	<1	<1	107	6	60	<5
L-0+00E-6+00N	<1	<1	247	18	550	<5
L-0+00E-6+25N	<1	<1	286	17	50	<5
L-0+00E-6+50N	2	<1	544	33	170	<5
L-0+00E-6+75N	<1	<1	328	19	70	<5
L-0+00E-7+00N	1	<1	306	17	140	<5
L-0+00E-7+25N	2	<1	171	10	130	12
L-0+00E-7+50N	4	<1	149	8	200	11
L-0+00E-7+75N	1	<1	165	9	130	<5
L-0+00E-8+00N	2	<1	272	14	100	12
L-0+00E-8+25N	3	<1	224	11	50	19
L-0+00E-8+50N	3	<1	418	22	110	21
L-0+00E-8+75N	3	<1	198	10	60	6
L-0+00E-9+00N	3	<1	278	15	60	11
L-0+00E-9+25N	10	<1	51	2	50	10
L-0+00E-9+50N	2	<1	60	7	90	<5
L-0+00E-9+75N	4	<1	79	4	70	12
L-0+00E-10+00N	1	<1	146	9	110	<5
L-0+00E-10+25N	6	<1	544	31	80	<5
L-0+00E-10+50N	3	<1	237	13	120	14
L-0+00E-10+75N	16	<1	641	30	50	20
L-0+00E-11+00N	7	<1	352	22	170	53
L-0+00E-11+25N	5	<1	38	2	40	7
L-0+00E-11+50N	6	<1	265	- 14	60	13
L-0+00E-11+75N	5	<1	251	12	60	13

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Element	U MANAL MAS	W MANAL NAS	Y MMI M5	Yb MMI M5	Zn MMI M5	Zr MMU M5
Method Det Lim	1	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB	PPB
L-0+00E-12+00N	5	<1	418	21	60	20
L-0+00E-12+25N	3	<1	280	16	50	<5
L-0+00E-12+50N	2	<1	185	13	70	<5
L-10700N-90400E	4	<1	31	2	380	30
L-10700N-90425E	3	<1	21	2	240	35
L-10700N-90450E	4	<1	32	2	160	38
L-10700N-90475E	2	<1	26	2	120	24
L-10700N-90500E	2	<1	10	<1	70	<5
L-10700N-90525E	4	<1	15	2	80	<5
L-10700N-90550E	5	<1	23	3	40	<5
L-10700N-90575E	4	<1	41	4	30	<5
L-10700N-90600E	1	<1	78	7	60	<5
L-10700N-90625E	<1	<1	43	4	70	<5
L-10700N-90650E	3	1	69	5	60	28
L-10700N-90675E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90700E	3	<1	104	12	40	<5
L-10700N-90725E	3	1	35	3	70	16
L-10700N-90750E	46	<1	54	3	240	10
L-10700N-90775E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L-10700N-90800E	<1	<1	57	6	70	<5
L-10500N-90525E	7	<1	77	5	70	25
L-10500N-90550E	2	<1	15	1	50	<5
L-10500N-90575E	<1	<1	33	3	80	<5
L-10500N-90600E	<1	<1	20	2	50	<5
L-10500N-90625E	4	<1	83	5	70	15
L-10500N-90650E	4	<1	81	5	110	11
L-10500N-90675E	5	<1	47	5	90	<5
L-10500N-90700E	3	<1	28	2	40	15
L-10500N-90725E	2	<1	<5	<1	440	<5
L-10500N-90750E	58	<1	198	14	90	30
L-10500N-90775E	4	<1	56	5	70	<5
L-10500N-90800E	8	<1	71	6	90	<5
*Dup L-0+00E-0+00N	12	<1	273	19	90	32
*Dup L-0+00E-3+00N	9	<1	493	31	70	63
*Dup L-0+00E-6+00N	<1	<1	246	18	670	<5
*Dup L-0+00E-9+00N	5	<1	285	14	70	16
*Dup L-0+00E-12+00N	6	<1	416	20	70	20
*Dup L-10700N-90625E	<1	<1	42	4	60	<5
*Dup L-10500N-90625E	5	<1	87	5	70	19
*Std MMISRM14	31	<1	7	<1	360	11
*Std MMISRM14	31	<1	7	<1	360	11
*BIK BLANK	<1	<1	<5	<1	<20	<5
*BIk BLANK	<1	<1	<5	<1	<20	<5

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# **Certificate of Analysis**

Work Order: 096396

Date: Nov 19, 2007

#### To: Geotronics Consulting Inc.

Attn: David G.Mark 6204 - 125th Street SURREY BC V3X 2E1

P.O. No.	PROJECT: BLIND
Project No. <sup>:</sup>	DEFAULT
No. Of Samples	75
Date Submitted	Oct 17, 2007
Report Comprises	Pages 1 to 11
	(Inclusive of Cover Sheet)

#### Distribution of unused material:

STORE: 75 Soils

Russ Calow, B.Sc., C.Chem. Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Certified By :

Report Footer:	L.N.R. = Listed not received n.a. = Not applicable	I.S. = Insufficient Sample = No result
	*INF = Composition of this sample makes detection	n impossible by this method
	<i>M</i> after a result denotes ppb to ppm conversion, % de	notes ppm to % conversion
	Methods marked with an asterisk (e.g. *NAA08V) were	e subcontracted
	Subject to SGS	General Terms and Conditions

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Element Method	Ag MMI-M5	AI MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
Det.Lim. Unite	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
L-0+00S-0+00E	23	11	<10	0.3	740	<1	100	56	45	44
L-0+00S-0+50E	5	32	<10	0.2	660	1	110	52	74	963
L-0+00S-0+75E	2	14	<10	0.2	450	<1	130	44	29	317
L-0+00S-1+00E	8	52	10	0.2	1270	2	70	56	198	81
L-0+00S-1+25E	20	17	<10	0.3	1390	<1	80	96	115	16
L-0+00S-1+50E	14	66	<10	0.2	1140	2	70	80	291	94
L-0+00S-1+75E	17	23	<10	0.2	1790	<1	70	57	95	11
L-0+00S-2+00E	9	35	<10	0.2	1200	1	70	114	229	98
L-0+00S-2+25E	6	9	<10	<0.1	620	<1	70	74	12	23
L-0+00S-2+50E	83	1	<10	1.0	1030	<1	60	18	<5	12
L-0+00S-2+75E	96	49	<10	3.0	790	<1	360	434	92	103
L-0+00S-3+00E	85	83	<10	1.5	1300	10	310	112	107	83
L-0+00S-3+25E	113	77	<10	1.8	1170	<1	320	281	50	11
L-0+00S-3+50E	24	115	<10	1.4	680	6	270	240	128	20
L-0+00S-3+75E	156	29	<10	0.8	1370	<1	390	130	16	25
L-0+00S-4+00E	25	123	<10	0.4	1920	<1	460	262	23	52
L-0+00S-4+25E	15	127	<10	<0.1	1040	<1	170	15	109	23
L-0+00S-4+50E	40	12	<10	0.6	2340	<1	470	12	14	10
L-0+00S-4+75E	13	27	<10	0.1	840	<1	230	8	15	18
L-0+00S-5+00E	4	12	<10	0.3	630	<1	150	15	106	110
L-0+00S-5+25E	13	3	<10	0.3	690	<1	260	14	<5	47
L-0+00S-5+50E	7	3	<10	0.3	190	<1	50	15	10	41
L-0+00S-5+75E	20	4	<10	0.8	260	<1	70	10	12	89
L-0+00S-6+00E	20	3	<10	0.5	570	<1	180	13	11	29
L-0+00S-6+25E	56	<1	<10	1.5	340	<1	100	3	<5	11
L-0+00S-6+50E	167	<1	<10	2.4	570	<1	140	38	<5	9
L-0+00S-6+75E	8	1	<10	0.3	270	<1	50	6	<5	21
L-0+00S-7+00E	12	2	<10	0.5	130	<1	30	5	10	144
L-0+00S-7+25E	27	3	<10	0.6	170	<1	40	8	7	73
L-0+00S-7+75E	13	3	<10	0.4	240	<1	40	10	17	113
L-0+00S- 8+00E	19	1	<10	0.8	180	<1	40	5	<5	57
L-0+00S- 8+25E	25	<1	<10	<0.1	370	<1	130	<1	<5	24
L-0+00S- 8+50E	131	<1	<10	2.9	270	<1	70	13	<5	15
L-0+00S- 8+75E	54	1	<10	4.9	830	<1	100	7	<5	33
L-0+00S- 9+00E	6	3	<10	0.4	860	<1	60	13	18	15
L-0+00S- 9+25E	4	3	<10	<0.1	450	<1	70	22	5	33
L-0+00S- 9+50E	4	8	<10	0.1	1050	<1	50	17	162	33
L-0+00S- 9+75E	3	3	<10	<0.1	490	<1	40	21	19	13
L-0+00S-10+00E	6	<1	<10	0.2	780	<1	110	28	5	11
L-0+00S-10+25E	17	4	<10	1.4	240	<1	60	8	12	128
L-0+00S-10+50E	31	1	<10	2.7	60	<1	30	5	<5	30
L-0+00S-10+75E	12	2	<10	1.2	40	<1	20	1	<5	68
L-0+00S-11+00E	4	10	<10	<0.1	180	<1	60	3	6	114
L-0+00S-11+25E	8	9	<10	0.1	600	<1	490	3	<5	14
L-0+00S-11+50E	7	1	<10	0.3	30	<1	70	<1	<5	73
L-0+00S-11+75E	6	20	<10	0.2	460	<1	450	5	6	14
L-10600N-90475E	30	4	30	2.3	2700	<1	410	11	8	93
L-10600N-90550E	4	83	30	0.1	2640	<1	270	22	75	143

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Element Method	Ag MMI-M5	AI MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
Det.Lim.	PPB	PPM	PPB	U.1 PPB	PPB	PPB	PPM	PPB	э РРВ	э РРВ
1_10600N-90575E	6	47	20	0.2	4610	<1	160	11	93	126
I -10600N-90600F	36	3	10	3.2	1510	<1	450	5	6	51
L-10600N-90625E	7	64	20	0.3	2320	<1	380	8	96	41
L-10600N-90650E	<1	5	90	<0.1	890	<1	420	2	<5	 85
L-10600N-90675E	2	11	70	<0.1	1310	<1	740	9	<5	96
L-10600N-90700E	18	4	30	1.6	2170	<1	530	3	8	21
L-10600N-90725E	8	43	20	0.1	1050	<1	410	6	14	98
L-10600N-90750E	29	9	10	0.5	640	<1	650	9	9	13
L-10600N-90775E	14	72	30	<0.1	2990	<1	430	9	93	68
L-10600N-90800E	7	37	<10	0.1	4120	<1	400	12	17	74
L-10800N-90400E	31	14	<10	0.3	1450	<1	520	3	33	18
L-10800N-90425E	34	23	10	0.2	2310	<1	300	2	17	43
L-10800N-90450E	19	148	30	<0.1	5640	<1	190	8	80	130
L-10800N-90475E	23	102	20	0.5	5070	<1	180	4	76	44
L-10800N-90500E	13	92	40	<0.1	4030	<1	170	7	55	129
L-10800N-90525E	18	10	<10	0.3	6660	<1	250	1	13	40
L-10800N-90550E	16	118	10	0.2	4770	<1	310	18	34	252
L-10800N-90575E	<1	2	<10	<0.1	1370	<1	460	4	<5	76
L-10800N-90600E	19	119	30	<0.1	3470	<1	250	11	50	1340
L-10800N-90625E	10	7	<10	<0.1	9250	<1	580	7	<5	87
L-10800N-90650E	9	1	<10	0.6	4770	<1	630	4	7	155
L-10800N-90675E	3	17	<10	<0.1	1820	<1	820	29	11	55
L-10800N-90700E	9	13	30	0.2	2670	<1	400	4	13	93
L-10800N-90725E	19	17	<10	0.1	4170	<1	400	4	9	132
L-10800N-90750E	12	>300	60	0.3	5190	<1	610	105	251	143
L-10800N-90775E	8	20	<10	0.5	4840	<1	370	4	51	193
L-10800N-90800E	12	59	<10	<0.1	7340	<1	480	18	26	35
*Dup L-0+00S-0+00E	25	14	<10	0.3	1030	<1	110	58	49	55
*Dup L-0+00S-3+25E	114	86	<10	2.0	1380	<1	350	290	52	9
*Dup L-0+00S-6+25E	54	<1	<10	1.6	450	<1	110	4	<5	12
*Dup L-0+00S- 9+50E	4	7	<10	<0.1	990	<1	50	15	36	30
*Dup L-10600N-90575E	7	48	20	<0.1	4700	<1	170	11	103	103
*Dup L-10800N-90450E	19	146	20	<0.1	5430	<1	190	8	78	116
*Dup L-10800N-90750E	8	232	60	0.4	5480	<1	790	83	158	128
*Std MMISRM14	21	41	<10	43.0	80	<1	290	8	14	42
*Std MMISRM14	18	47	10	39.0	120	<1	270	7	17	44
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*BIk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det Lim	Cr MMI-M5 100	Cu MMI-M5 10	Dy MMI-M5 1	Er MMI-M5 0.5	Eu MMI-M5 0.5	Fe MMI-M5 1	Gd MMI-M5 1	La MMI-M5 1	Li MMI-M5 5	Mg MMI-M5 1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L-0+00S-0+00E	<100	350	30	13.6	8.7	11	40	30	<5	240
L-0+00S-0+50E	100	1460	13	7.9	3.5	92	15	31	<5	184
L-0+00S-0+75E	<100	1120	8	5.1	1.8	81	8	14	<5	202
L-0+00S-1+00E	300	420	43	20.4	12.4	47	49	93	<5	129
L-0+00S-1+25E	<100	840	50	23.7	15.1	9	62	47	<5	229
L-0+00S-1+50E	200	470	50	23.2	15.5	42	63	138	<5	193
L-0+00S-1+75E	<100	400	45	21.4	13.0	11	56	60	<5	260
L-0+00S-2+00E	<100	620	75	37.6	20.5	22	89	107	<5	246
L-0+00S-2+25E	<100	170	12	5.4	4.1	3	18	7	<5	347
L-0+00S-2+50E	<100	410	28	13.9	8.7	<1	38	11	<5	524
L-0+00S-2+75E	<100	2340	19	8.5	8.8	11	28	27	<5	74
L-0+00S-3+00E	<100	1370	55	24.8	20.7	14	69	58	<5	33
L-0+00S-3+25E	<100	420	17	8.0	7.9	8	26	46	<5	38
L-0+00S-3+50E	<100	420	21	9.0	9.0	11	32	63	<5	36
L-0+00S-3+75E	<100	1240	28	15.3	10.7	5	36	20	<5	144
L-0+00S-4+00E	<100	350	24	17.2	4.4	12	19	9	<5	138
L-0+00S-4+25E	<100	200	24	10.8	6.9	17	28	43	<5	94
L-0+00S-4+50E	<100	480	26	12.6	8.6	7	37	24	<5	379
L-0+00S-4+75E	<100	160	12	5.4	3.1	5	15	9	<5	230
L-0+00S-5+00E	<100	270	50	23.1	18.1	11	69	61	<5	372
L-0+00S-5+25E	<100	70	6	2.9	1.9	3	8	3	<5	334
L-0+00S-5+50E	<100	170	12	5.2	4.6	2	20	12	<5	436
L-0+00S-5+75E	<100	100	10	4.3	4.5	2	17	9	<5	402
L-0+00S-6+00E	<100	430	18	7.7	10.2	3	30	12	<5	393
L-0+00S-6+25E	<100	220	7	3.3	3.5	<1	10	2	<5	879
L-0+00S-6+50E	<100	110	12	5.4	7.3	<1	23	4	8	840
L-0+00S-6+75E	<100	50	8	3.3	2.3	1	11	7	<5	449
L-0+00S-7+00E	<100	180	4	2.1	1.2	4	6	6	<5	307
L-0+00S-7+25E	<100	60	7	3.1	1.9	2	10	7	<5	412
L-0+00S-7+75E	<100	130	5	2.4	1.7	3	8	8	<5	346
L-0+00S- 8+00E	<100	280	3	1.6	1.0	2	5	4	<5	456
L-0+00S- 8+25E	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	580
L-0+00S- 8+50E	<100	70	1	0.9	<0.5	1	1	<1	<5	557
L-0+00S- 8+75E	<100	150	15	5.4	8.9	<1	30	12	<5	693
L-0+00S- 9+00E	<100	70	12	4.4	5.4	2	21	11	<5	617
L-0+00S- 9+25E	<100	90	4	1.7	1.7	4	6	3	<5	461
L-0+00S- 9+50E	<100	370	23	8.1	11.2	3	45	64	<5	618
L-0+00S- 9+75E	<100	70	9	3.6	3.4	4	14	8	<5	575
L-0+00S-10+00E	<100	30	4	1.7	1.8	2	7	3	<5	506
L-0+00S-10+25E	<100	130	8	3.3	3.0	2	13	10	<5	341
L-0+00S-10+50E	100	130	4	1.9	1.2	2	5	4	<5	210
L-0+00S-10+75E	100	130	6	3.3	1.4	2	7	5	<5	211
L-0+00S-11+00E	<100	510	8	4.7	1.7	2	9	4	<5	315
L-0+00S-11+25E	<100	1220	19	9.0	4.7	4	24	12	<5	169
L-0+00S-11+50E	<100	170	3	2.2	<0.5	3	2	2	<5	231
L-0+00S-11+75E	200	890	16	9.5	3.9	6	20	16	<5	129
L-10600N-90475E	<100	690	4	2.2	1.3	4	6	6	<5	72
L-10600N-90550E	100	120	9	4.5	2.1	57	10	27	7	127

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Element Method Det.Lim. Unite	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
1_10600N_90575E	<100	160	 В	13	1.6	24	<u></u>	16	<5	170
L-10600N-90600F	<100	1210	12	7.0	2.7	4	13	5		176
L-10600N-90625E	<100	1210	29	15 3	6.8	- 28	34	56	<5	97
L_10600N_90650E	<100	240	<1	۲0.5 <0.5	0.5 <0.5	20 6	<1	<1	<5	77
L-10600N-90675E	<100	270	<1	0.5	<0.0	53	<1	3	~ <5	207
L-10600N-90700F	<100	880	3	1 7	0.0 0.8	7	5	5	<5	133
I -10600N-90725E	<100	530	5	32	0.0 0.8	26	5	7	<5	121
I -10600N-90750F	<100	1030	17	11.3	3.6		20	21	~ <5	17
L-10600N-90775E	<100	230	15	8.2	3.8	- 33		38	<5	63
L-10600N-90800E	<100	200	4	2.3	0.8	20	4	8	<5	126
L-10800N-90400E	<100	230	6	2.6	1.2	8	7	9	<5	129
L-10800N-90425E	<100	230	2	0.8	<0.5	26	2	7	<5	63
L-10800N-90450E	200	250	9	4.3	2.1	96	11	46	9	80
L-10800N-90475E	300	250	8	3.7	1.9	104	9	37	15	85
L-10800N-90500E	200	170	5	2.6	1.1	105	6	20	10	65
L-10800N-90525E	<100	130	4	2.2	0.8	5	5	6	<5	225
L-10800N-90550E	<100	160	6	3.5	1.0	40	6	13	<5	149
L-10800N-90575E	<100	320	<1	<0.5	<0.5	3	<1	<1	<5	73
L-10800N-90600E	100	780	16	10.4	2.2	61	13	15	11	212
L-10800N-90625E	<100	100	5	3.0	<0.5	5	4	2	<5	200
L-10800N-90650E	<100	1200	4	2.1	<0.5	5	3	2	16	175
L-10800N-90675E	<100	80	5	2.9	0.8	13	5	4	<5	228
L-10800N-90700E	<100	180	2	1.1	<0.5	11	2	3	<5	197
L-10800N-90725E	<100	80	3	1.6	<0.5	6	3	3	<5	286
L-10800N-90750E	<100	3130	134	83.7	23.7	77	126	131	<5	163
L-10800N-90775E	<100	370	70	41.3	12.0	5	69	39	<5	186
L-10800N-90800E	<100	690	42	28.1	4.5	8	29	13	12	117
*Dup L-0+00S-0+00E	<100	380	30	13.5	9.0	11	40	30	<5	274
*Dup L-0+00S-3+25E	<100	420	18	8.2	8.2	8	27	48	<5	45
*Dup L-0+00S-6+25E	<100	240	7	3.3	3.3	<1	11	2	<5	888
*Dup L-0+00S- 9+50E	<100	280	19	6.7	9.3	2	35	16	<5	525
*Dup L-10600N-90575E	<100	150	8	4.3	1.8	25	9	19	<5	189
*Dup L-10800N-90450E	200	260	9	4.2	2.1	88	11	47	8	83
*Dup L-10800N-90750E	<100	2570	79	45.4	15.7	69	79	81	<5	197
*Std MMISRM14	<100	710	1	<0.5	0.7	2	3	4	<5	40
*Std MMISRM14	<100	690	2	0.7	0.9	2	4	3	<5	37
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5 1	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Pt MMI-M5	Rb MMI-M5	Sb MMI-M5
Det.Lim. Unite	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
1_0+00\$_0+00F	<5	<0.5	87	8020	60	<1	14	<1	10	<1
1-0+00S-0+50F	7	0.8	51	10200	60	<1	11	<1	10	<1
1-0+00S-0+75E	<5	<0.5	25	11700	50	<1	5	<1	5	<1
L-0+00S-1+00E	<5	1.8	155	6450	170	<1	33	<1	51	1
L-0+00S-1+25E	<5	<0.5	139	6960	200	<1	23	<1	42	<1
L-0+00S-1+50E	<5	0.9	214	8000	190	<1	49	<1	48	<1
L-0+00S-1+75E	<5	<0.5	147	9390	80	<1	27	<1	32	<1
L-0+00S-2+00E	<5	<0.5	221	17700	150	<1	43	<1	30	<1
L-0+00S-2+25E	<5	<0.5	36	12900	30	<1	5	<1		<1
L-0+00S-2+50E	<5	<0.5	63	7460	20	<1	8	<1	12	<1
L-0+00S-2+75E	<5	<0.5	71	1080	500	<1	13	<1	63	<1
L-0+00S-3+00E	<5	<0.5	152	538	410	<1	27	<1	128	<1
L-0+00S-3+25E	<5	<0.5	87	182	2150	<1	17	<1	127	<1
L-0+00S-3+50E	<5	<0.5	120	312	180	<1	25	<1	105	<1
L-0+00S-3+75E	<5	<0.5	56	704	1170	<1	9	<1	44	<1
L-0+00S-4+00E	<5	<0.5	23	451	11700	<1	4	<1	191	<1
L-0+00S-4+25E	<5	<0.5	80	599	580	<1	17	<1	92	<1
L-0+00S-4+50E	<5	<0.5	66	9210	40	<1	11	<1	6	<1
L-0+00S-4+75E	<5	<0.5	29	5880	20	<1	5	<1	33	<1
L-0+00S-5+00E	<5	<0.5	146	26400	60	<1	26	<1	31	<1
L-0+00S-5+25E	<5	<0.5	9	8870	10	<1	1	<1	14	<1
L-0+00S-5+50E	<5	<0.5	55	19200	10	<1	8	<1	14	<1
L-0+00S-5+75E	<5	<0.5	41	13600	20	<1	6	<1	14	<1
L-0+00S-6+00E	<5	<0.5	49	12000	20	<1	6	<1	9	<1
L-0+00S-6+25E	<5	<0.5	14	3810	10	<1	1	<1	10	<1
L-0+00S-6+50E	<5	<0.5	39	319	20	<1	3	<1	7	<1
L-0+00S-6+75E	<5	<0.5	29	16100	<10	<1	4	<1	12	<1
L-0+00S-7+00E	<5	<0.5	16	14200	20	<1	3	<1	20	<1
L-0+00S-7+25E	<5	<0.5	27	13200	20	<1	4	<1	18	<1
L-0+00S-7+75E	<5	<0.5	26	12700	30	<1	5	<1	11	<1
L-0+00S- 8+00E	<5	<0.5	11	13800	<10	<1	2	<1	31	<1
L-0+00S- 8+25E	<5	<0.5	<1	218	<10	<1	<1	<1	311	<1
L-0+00S- 8+50E	<5	<0.5	2	3390	<10	<1	<1	<1	245	<1
L-0+00S- 8+75E	<5	<0.5	64	8120	<10	<1	8	<1	7	<1
L-0+00S- 9+00E	<5	<0.5	56	13200	20	<1	8	<1	7	<1
L-0+00S- 9+25E	<5	<0.5	13	14200	30	<1	2	<1	7	<1
L-0+00S- 9+50E	<5	<0.5	164	16000	40	<1	31	<1	16	<1
L-0+00S- 9+75E	<5	<0.5	38	9450	10	<1	6	<1	18	<1
L-0+00S-10+00E	<5	<0.5	15	12000	20	<1	2	<1	8	<1
L-0+00S-10+25E	<5	<0.5	39	11100	10	<1	6	<1	12	<1
L-0+00S-10+50E	<5	<0.5	14	6130	<10	<1	2	<1	29	<1
L-0+00S-10+75E	<5	<0.5	17	5870	10	<1	3	<1	9	<1
L-0+00S-11+00E	<5	<0.5	17	5720	<10	<1	3	<1	18	<1
L-0+00S-11+25E	<5	<0.5	31	8950	<10	<1	5	<1	14	<1
L-0+00S-11+50E	<5	<0.5	4	10100	<10	<1	<1	<1	8	<1
L-0+00S-11+75E	<5	<0.5	39	2750	<10	<1	6	<1	27	<1
L-10600N-90475E	7	<0.5	14	1020	20	<1	2	<1	6	<1
L-10600N-90550E	7	9.1	35	2070	90	<1	8	<1	187	1

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb
Method	IVI IVI - IVI 5	ININI-INI5			10	IVI IVII-IVI5 1			IVI IVII-IVI5	ININI-NI5
Det.Lim.	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
	-5	0.8	· ·	3550	110	-1	5	-1	156	-1
1-106000N-90600F	~5 <5	0.0 <0.5	23 17	3890	<10	י ~ <1	2	<1	130	<1
1_10600N_90625E	<5	1.0	88	1270	30	<1	10	<1	50	<1
1_10600N_90650E	-5	<0.5	<1	3330	50 <10	י - 1>	<1	יי <1	26	ו- כ
L-10600N-90675E	61	-0.5 <0.5	3	5140	10	<1	<1	<1	20 19	- 3
1-10600N-90700F	<5	<0.5	10	963	<10	<1	2	<1	32	1
L-10600N-90725E	<5	-0.0 <0.5	10	1060	20	<1	2	<1	202	י <1
1_10600N_90750F	7	<0.0 <0.5	41	1320	20 <10	<1	7	<1	82	<1
1-10600N-90775E	5	0.7	58	1460	30	- <1	12	<1	152	-' <1
-10600N-90800F	<5	<0.5	10	1340	40	<1	2	<1	204	<1
-10800N-90400F	<5	<0.5	16	1110	20	<1	-	<1		<1
L-10800N-90425E	<5	1.1	8	399		<1	2	<1	206	<1
L-10800N-90450E	6	5.0	47	839	100	<1	12	<1	91	1
L-10800N-90475E	12	5.9	38	860	50	<1	9	<1	153	1
L-10800N-90500E	7	6.5	22	688	90	<1	5	<1	207	1
L-10800N-90525E	<5	<0.5	10	822	10	<1	2	<1	68	<1
L-10800N-90550E	<5	1.0	16	2320	70	<1	4	<1	27	<1
L-10800N-90575E	10	<0.5	<1	774	<10	<1	<1	<1	16	4
L-10800N-90600E	<5	1.1	25	3480	150	<1	5	<1	240	<1
L-10800N-90625E	<5	<0.5	3	1360	10	<1	<1	<1	175	<1
L-10800N-90650E	<5	<0.5	4	2170	<10	<1	<1	<1	9	1
L-10800N-90675E	7	<0.5	10	1360	50	<1	2	<1	12	<1
L-10800N-90700E	<5	<0.5	6	1820	10	<1	1	<1	65	<1
L-10800N-90725E	<5	<0.5	5	1220	20	<1	<1	<1	104	<1
L-10800N-90750E	5	1.4	265	28800	50	<1	51	<1	397	5
L-10800N-90775E	<5	<0.5	71	3210	30	<1	12	<1	15	<1
L-10800N-90800E	<5	<0.5	26	2650	20	<1	5	<1	87	<1
*Dup L-0+00S-0+00E	<5	<0.5	90	8810	60	<1	15	<1	10	<1
*Dup L-0+00S-3+25E	<5	<0.5	91	183	2210	<1	19	<1	132	<1
*Dup L-0+00S-6+25E	<5	<0.5	14	5660	20	<1	1	<1	10	<1
*Dup L-0+00S- 9+50E	<5	<0.5	89	13600	30	<1	12	<1	17	<1
*Dup L-10600N-90575E	<5	0.7	26	3560	100	<1	6	<1	168	<1
*Dup L-10800N-90450E	5	4.3	47	870	100	<1	12	<1	82	<1
*Dup L-10800N-90750E	7	1.2	167	25000	30	<1	33	<1	299	4
*Std MMISRM14	36	<0.5	11	256	80	44	2	<1	282	<1
*Std MMISRM14	36	<0.5	14	287	110	41	2	<1	266	<1
*BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*BIk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

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Element Method	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5	Te MMI-M5	Th MMI-M5	Ti MMI-M5	TI MMI-M5
Det.Lim. Units	PPB	PPB	PPB							
L-0+00S-0+00E	13	29	<1	270	<1	6	<10	2.7	49	<0.5
L-0+00S-0+50E	38	12	<1	250	<1	2	<10	3.2	172	<0.5
L-0+00S-0+75E	25	6	<1	330	<1	1	<10	1.1	44	<0.5
L-0+00S-1+00E	75	40	<1	240	<1	8	<10	8.5	688	0.7
L-0+00S-1+25E	29	46	<1	380	<1	9	<10	1.4	72	0.6
L-0+00S-1+50E	76	53	<1	190	<1	9	<10	9.9	435	0.6
L-0+00S-1+75E	35	44	<1	290	<1	8	<10	2.2	81	0.6
L-0+00S-2+00E	81	66	<1	200	<1	13	<10	5.5	153	0.6
L-0+00S-2+25E	7	14	<1	210	<1	2	<10	<0.5	10	<0.5
L-0+00S-2+50E	8	27	<1	370	<1	5	<10	<0.5	<3	<0.5
L-0+00S-2+75E	7	22	<1	1110	<1	4	<10	1.1	19	0.7
L-0+00S-3+00E	19	48	<1	1610	<1	10	<10	2.0	34	1.1
L-0+00S-3+25E	12	21	<1	1760	<1	3	<10	1.6	10	1.5
L-0+00S-3+50E	13	28	<1	1050	<1	4	<10	2.9	54	1.2
L-0+00S-3+75E	<5	22	<1	1900	<1	5	<10	<0.5	<3	0.5
L-0+00S-4+00E	25	9	<1	3010	<1	3	<10	0.6	10	2.1
L-0+00S-4+25E	22	22	<1	750	<1	4	<10	4.5	193	0.8
L-0+00S-4+50E	<5	23	<1	910	<1	5	<10	<0.5	<3	<0.5
L-0+00S-4+75E	<5	11	<1	680	<1	2	<10	<0.5	<3	<0.5
L-0+00S-5+00E	21	49	<1	560	<1	9	<10	1.5	<3	<0.5
L-0+00S-5+25E	<5	5	<1	570	<1	1	<10	<0.5	<3	<0.5
L-0+00S-5+50E	8	17	<1	200	<1	2	<10	<0.5	<3	<0.5
L-0+00S-5+75E	9	14	<1	220	<1	2	<10	0.6	<3	<0.5
L-0+00S-6+00E	<5	23	<1	570	<1	4	<10	<0.5	<3	<0.5
L-0+00S-6+25E	<5	7	<1	470	<1	1	<10	<0.5	<3	<0.5
L-0+00S-6+50E	<5	17	<1	790	<1	2	<10	<0.5	<3	<0.5
L-0+00S-6+75E	10	10	<1	180	<1	2	<10	<0.5	<3	<0.5
L-0+00S-7+00E	10	5	<1	90	<1	<1	<10	0.9	<3	<0.5
L-0+00S-7+25E	15	8	<1	120	<1	1	<10	1.2	<3	0.6
L-0+00S-7+75E	13	8	<1	110	<1	1	<10	1.4	<3	<0.5
L-0+00S- 8+00E	13	3	<1	90	<1	<1	<10	<0.5	<3	0.9
L-0+00S- 8+25E	<5	<1	<1	410	<1	<1	<10	<0.5	<3	<0.5
L-0+00S- 8+50E	<5	<1	<1	450	<1	<1	<10	<0.5	<3	3.4
L-0+00S- 8+75E	<5	26	<1	590	<1	3	<10	<0.5	<3	0.8
L-0+00S- 9+00E	9	20	<1	320	<1	3	<10	<0.5	<3	<0.5
L-0+00S- 9+25E	8	6	<1	240	<1	<1	<10	<0.5	<3	<0.5
L-0+00S- 9+50E	21	44	<1	260	<1	5	<10	1.9	3	<0.5
L-U+UUS- 9+75E	11	13	<1	190	<1	2	<10	<0.5	<ر>	<0.5
L-0+00S-10+00E	<5	1	<1	330	<1	<1	<10	<0.5	<3	<0.5
L-0+00S-10+25E	8	12	<1	160	<1	2	<10	1.0	<3	<0.5
L-0+00S-10+50E	6	4	<1	6U 20	[>	[> **	<10	<0.5	ر>	0.9
L-U+UUS-1U+/5E	11 •••	5	[> 	30	<1	<1	-10 -10	U./	<3	U.6
L-0+000-11+00E	21	Б 	: ۲>	12U	<1	1	-10 -10	U.5- - ۵ ۲	<3 -^	<0.5
L-U+UUS-11+25E	<5	14	[> ارد	550	> بر	د م	<1U	<u.5< td=""><td>د&gt; </td><td>&lt;0.5</td></u.5<>	د> 	<0.5
	18	1	۲> اد	100	ا>	<1	<10	<0.5	< S _ n	<0.5
L-UTUUO-11+/JE	10	13	_1> ادر	570	_[> ادر	ۍ 1-	<10 -10	U.9	< 5 	5.U> مەت
	0	4	_1> ابر	030	> •-	۲> م	<10 -10	2.1	< ئ 	5.U> مەر
L-10000N-90000E	∠3	9	<u>۶۱</u>	040	51	2	× ا U	0.9	222U	S.U.>

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Element	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	TI
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5 900	1 ססס	1 900	10 000	1 900	ן פסס	10 000	U.5	3	U.5 900
	ггр	FFD -	FFD	FFD	FFD	FFD	FFD	FFD		FFD
L-10600N-90575E	16	1	<1	610	<1	2	<10	5.0	2/4	<0.5
L-10600N-90600E	10	1	<] 	800	<]	2	<10	1.1	< 3	<0.5
L-10600N-90625E	24	24	<1	710	<1	5	<10	5.4	223	<0.5
L-10600N-90650E	<5	<1	<1	//0	<1	<1	<10	<0.5	4	<0.5
L-10600N-90675E	8	<1	<1	1150	<1	<1	<10	<0.5	28	<0.5
L-10600N-90700E	<5	3	<1	460	<1	<1	<10	1.4	5	<0.5
L-10600N-90725E	5	3	<1	380	<1	<1	<10	0.6	127	<0.5
L-10600N-90750E	10	12	<1	250	<1	3	<10	1.6	34	<0.5
L-10600N-90775E	13	14	<1	530	<1	3	<10	4.4	182	<0.5
L-10600N-90800E	8	3	<1	640	<1	<1	<10	1.4	60	<0.5
L-10800N-90400E	5	5	<1	1110	<1	<1	<10	1.8	11	<0.5
L-10800N-90425E	5	2	<1	840	<1	<1	<10	1.9	378	<0.5
L-10800N-90450E	36	10	<1	520	<1	2	<10	9.1	1/40	<0.5
L-10800N-90475E	43	9	<1	790	<1	1	<10	9.7	1870	<0.5
L-10800N-90500E	32	5	<1	540	<1	<1	<10	9.0	1590	<0.5
L-10800N-90525E	5	3	<1	1120	<1	<1	<10	0.7	19	<0.5
L-10800N-90550E	12	4	<1	1080	<1	1	<10	2.1	195	<0.5
L-10800N-90575E	<5	<1	<1	960	<1	<1	<10	<0.5	<3	<0.5
L-10800N-90600E	41	8	<1	1100	<1	2	<10	4.5	206	<0.5
L-10800N-90625E	<5	2	<1	2240	<1	<1	<10	<0.5	<3	<0.5
L-10800N-90650E	<5	2	<1	1020	<1	<1	<10	<0.5	<3	<0.5
L-10800N-90675E	6	4	<1	1360	<1	<1	<10	<0.5	35	<0.5
L-10800N-90700E	<5	2	<1	960	<1	<1	<10	0.8	32	<0.5
L-10800N-90725E	<5	2	<1	980	<1	<1	<10	<0.5	18	<0.5
L-10800N-90750E	114	84	<1	1030	<1	21	<10	13.0	247	1.8
L-10800N-90775E	26	34	<1	1110	<1	11	<10	1.0	7	<0.5
L-10800N-90800E	14	12	<1	1240	<1	6	<10	0.5	27	1.0
*Dup L-0+00S-0+00E	15	30	<1	290	<1	6	<10	1.3	49	<0.5
*Dup L-0+00S-3+25E	13	22	<1	1820	<1	4	<10	1.5	15	1.3
*Dup L-0+00S-6+25E	6	8	<1	510	<1	1	<10	<0.5	<3	<0.5
*Dup L-0+00S- 9+50E	18	33	<1	270	<1	4	<10	<0.5	<3	<0.5
*Dup L-10600N-90575E	17	7	<1	620	<1	2	<10	4.9	273	<0.5
*Dup L-10800N-90450E	30	10	<1	530	<1	2	<10	8.3	1460	<0.5
*Dup L-10800N-90750E	77	54	<1	1350	<1	13	<10	7.8	178	1.3
*Std MMISRM14	6	3	<1	550	<1	<1	<10	12.8	<3	<0.5
*Std MMISRM14	7	4	<1	520	<1	<1	<10	15.2	<3	<0.5
*Blk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIk BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

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Element Method	U MMI-M5	W MMI-M5	Y MMI-M5	Yb MMI-M5	Zn MMI-M5	Zr MMI-M5
Det.Lim.	1 PPB	1 PPB	5 PPB	1 PPB	20 PPB	5 PPB
1_0+00S_0+00F	6	<1	150	9	350	<5
L-0+00S-0+50E	0 10	<1	67	7	210	11
1-0+00S-0+75E	9	<1	42	5	190	<5
1-0+00S-1+00F	9	<1	217	15	450	22
L-0+00S-1+25E	7	<1	272	17	460	 <5
L-0+00S-1+50E	10	<1	256	16	540	- 21
1-0+00S-1+75F	7	<1	243	15	260	<5
L-0+00S-2+00E	11	<1	414	27	490	10
L-0+00S-2+25E	2	<1	58	 4	230	<5
L-0+00S-2+50E	4	<1	183	10	70	<5
L-0+00S-2+75E	6	<1	97	5	600	9
L-0+00S-3+00E	4	<1	313	15	200	12
L-0+00S-3+25E	4	<1	100	5	440	10
L-0+00S-3+50E	4	<1	115	6	350	11
L-0+00S-3+75E	5	<1	174	10	680	<5
L-0+00S-4+00E	1	<1	157	13	1120	<5
L-0+00S-4+25E	3	<1	114	7	70	14
L-0+00S-4+50E	3	<1	144	9	40	<5
L-0+00S-4+75E	1	<1	59	4	70	<5
L-0+00S-5+00E	4	<1	307	16	60	<5
L-0+00S-5+25E	<1	<1	30	2	130	<5
L-0+00S-5+50E	2	<1	62	4	70	<5
L-0+00S-5+75E	3	<1	53	3	100	<5
L-0+00S-6+00E	2	<1	95	5	130	<5
L-0+00S-6+25E	<1	<1	43	3	40	<5
L-0+00S-6+50E	4	<1	80	3	130	<5
L-0+00S-6+75E	3	<1	39	3	60	<5
L-0+00S-7+00E	1	<1	27	2	100	<5
L-0+00S-7+25E	3	<1	42	3	90	<5
L-0+00S-7+75E	4	<1	29	2	130	<5
L-0+00S- 8+00E	<1	<1	24	1	70	<5
L-0+00S- 8+25E	<1	<1	<5	<1	30	<5
L-0+00S- 8+50E	<1	<1	12	1	60	<5
L-0+00S- 8+75E	5	<1	73	4	50	<5
L-0+00S- 9+00E	3	<1	54	3	40	<5
L-0+00S- 9+25E	1	<1	18	1	120	<5
L-0+00S- 9+50E	5	<1	104	6	50	6
L-0+00S- 9+75E	4	<1	43	2	80	<5
L-0+00S-10+00E	3	<1	20	1	100	<5
L-0+00S-10+25E	2	<1	40	3	60	<5
L-0+00S-10+50E	<1	<1	25	2	60	<5
L-0+00S-10+75E	<1	<1	41	3	40	<5
L-0+00S-11+00E	2	<1	47	4	60	<5
L-0+00S-11+25E	1	<1	84	6	40	<5
L-0+00S-11+50E	<1	<1	25	2	30	<5
L-0+00S-11+75E	4	<1	98	8	40	7
L-10600N-90475E	8	<1	35	2	80	<5
L-10600N-90550E	5	<1	50	4	200	60

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SGS Canada Inc.



Element		W MANI ME	Y NABAL NAS	Уb	Zn MMI M5	Zr Manal Nas
Method Det Lim	1	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB	PPB
L-10600N-90575E	5	<1	44	3	70	11
L-10600N-90600E	4	<1	86	6	<20	<5
L-10600N-90625E	18	<1	177	11	40	14
L-10600N-90650E	4	<1	<5	<1	<20	<5
L-10600N-90675E	5	<1	7	<1	60	9
L-10600N-90700E	4	<1	25	2	20	<5
L-10600N-90725E	2	<1	36	2	60	<5
L-10600N-90750E	4	<1	198	9	30	7
L-10600N-90775E	5	<1	104	6	60	12
L-10600N-90800E	2	<1	25	2	50	<5
L-10800N-90400E	5	<1	25	2	60	<5
L-10800N-90425E	2	<1	9	<1	40	10
L-10800N-90450E	3	<1	50	3	230	48
L-10800N-90475E	5	<1	41	3	120	71
L-10800N-90500E	4	<1	26	2	140	52
L-10800N-90525E	2	<1	23	2	20	<5
L-10800N-90550E	1	<1	38	3	120	<5
L-10800N-90575E	7	<1	<5	<1	30	<5
L-10800N-90600E	2	<1	97	9	70	<5
L-10800N-90625E	<1	<1	26	2	50	<5
L-10800N-90650E	3	<1	18	2	<20	<5
L-10800N-90675E	3	<1	31	2	220	13
L-10800N-90700E	2	<1	11	<1	50	<5
L-10800N-90725E	<1	<1	14	1	30	<5
L-10800N-90750E	106	2	1050	60	1590	38
L-10800N-90775E	5	<1	428	30	30	<5
L-10800N-90800E	2	<1	259	21	170	<5
*Dup L-0+00S-0+00E	6	<1	153	10	380	<5
*Dup L-0+00S-3+25E	4	<1	101	5	390	9
*Dup L-0+00S-6+25E	<1	<1	42	3	40	<5
*Dup L-0+00S- 9+50E	3	<1	85	5	50	<5
*Dup L-10600N-90575E	5	<1	42	3	70	13
*Dup L-10800N-90450E	3	<1	51	3	200	41
*Dup L-10800N-90750E	121	1	581	35	1180	34
*Std MMISRM14	31	<1	6	<1	330	11
*Std MMISRM14	37	<1	8	<1	310	12
*BIk BLANK	<1	<1	<5	<1	<20	<5
*BIk BLANK	<1	<1	<5	<1	<20	<5

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