

GEOCHEMICAL REPORT
ON A
MMI SOIL GEOCHEMISTRY SURVEY
OVER THE
NORTHERN PART
OF THE
COBALT AREA PROPERTY
GILLIES LIMIT NORTH TOWNSHIP
LARDER LAKE MINING DIVISION, ONTARIO

LOCATED: To the immediate south of the town of Cobalt, Ontario
47° 21' North Latitude, 79° 42' West Longitude
NTS: 31M/5

WRITTEN FOR: **INTERNATIONAL MILLENIUM MINING CORP**
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2.35596



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SUMMARY

MMI (mobile metal ion) soil sampling along with grid emplacement was carried out during the period of May 17th to July 10th, 2007 within two grid areas at the northern end of the Gillies Limit Claim Group, which is to the immediate south of the village of Cobalt. Work carried out from

The general purpose of exploration on this property is to (1) locate Cobalt-type silver-cobalt veins as has been historically mined, and (2) locate sulphide mineralization, which to date had not been mined in the area, but do occur.

The MMI survey consisted of 799 samples, which is a follow-up to 551 samples reported on in the writer's previous report. These were bagged and sent to SGS Laboratories in Toronto, Ontario for analysis where they were tested for 38 elements. The results for five of these, namely, silver, copper, cobalt, gold, and nickel, were divided by their respected mean background values to obtain a value called a response ratio. Stacked histograms were then made for each survey line for interpretation purposes and contour plans were also made for silver, cobalt, and copper, which are included in this report.

CONCLUSIONS

1. The MMI soil survey revealed 12 very strong anomalous responses and 12 anomalous responses that are not as strong, both types of responses that are indicative of Cobalt area-type arsenide silver-cobalt mineralization.
2. The MMI soil survey also revealed two anomalies that are indicative of sulphide-type mineralization.

RECOMMENDATIONS

1. Detail MMI sampling should be carried out around each of the anomalies, that is, sampling every 6.25 meters on lines 50 meters apart. This will help delineate the drill targets more accurately.
2. Induced polarization and resistivity surveying should be carried out across MMI anomalies that appear to be reflecting sulphide deposits. Geophysical surveying such as this will help determine depths as well as help define drill targets.

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INTRODUCTION AND GENERAL REMARKS

This report discusses survey procedure, compilation of data, interpretation methods, and the results of a mobile metal ion (MMI) survey carried out over the northern part of the Cobalt Property belonging to International Millennium Mining Corp. The property is located to the immediate south of Cobalt, Ontario.

The work was carried out by a Geotronics crew of 2 to 6 men, under supervision of the writer, during the period May 17th, to July 10th, 2007.

This report is a follow-up to a previous report on the property, dated June 21st, 2007, on a UTEM survey as well as 10 days of MMI surveying. This current report includes the results of the previous MMI sampling as well as the results from the additional work. MMI sampling is ongoing and the purpose, therefore, of this report is for assessment credits.

The general purpose of exploration on this property is to (1) locate Cobalt-type silver-cobalt veins as has been historically mined, and (2) locate sulphide mineralization, which to date, had not been mined in the area, but do occur.

Much of the following description of the property up to and including the property's geology, was taken from James Burns 43-101 report on the property dated April 13th, 2006.

PROPERTY AND OWNERSHIP

The Cobalt Area Project lies in northeastern Ontario (**Figure 1**). It consists of 18 patented, 10 leased and 118 staked mining claims, equivalent to 706 claim units for a total of 11,296 hectares. They were acquired under two primary option agreements from two local parties as

described by Douville (2001), and by staking. Since the 2001 report, one of these option agreements (S. Wareing & M. Simpson) was exercised in full.

Claim #	Recording Date	Due Date	Claim Units	Work Required	Township	Ownership
1140510	Mar 02/2004	2-Mar-2007	5	307	Gillies Limit (N)	Cabo Mining
3007687	Mar 12/2004	12-Mar-2007	16	6,400	Lorrain	Outcrop
3007688	Mar 12/2004	12-Mar-2007	15	6,000	Lorrain	Outcrop
3007685	Mar 17/2004	17-Mar-2007	8	1,810	Lorrain	Cabo Mining
3007686	Mar 17/2004	17-Mar-2007	16	6,400	Lorrain	Cabo Mining
1219335	Aug 06/1996	22-Mar-2007	14	1,952	Gillies Limit (N)	Cons Professor
1219336	Aug 06/1996	22-Mar-2007	14	5,600	Gillies Limit (N)	Cons Professor
1219337	Aug 06/1996	22-Jun-2007	5	2,000	Gillies Limit (N)	Cons Professor
1219338	Aug 06/1996	22-Jun-2007	8	3,200	Gillies Limit (N)	Cons Professor
1219339	Aug 06/1996	22-Jun-2007	1	400	Gillies Limit (N)	Cons Professor
3005867	Dec 08/2003	22-Jun-2007	2	800	Gillies Limit (N)	Outcrop
1174340	Dec 13/00	22-Mar-2007	1	400	Gillies Limit (N)	Outcrop
3005866	Dec 22/2003	22-Jun-2007	1	400	Coleman	Cabo Mining
1242199	Mar 30/2001	5-Jul-2007	2	800	Gillies Limit (N)	Outcrop
1242200	Mar 30/2001	5-Jul-2007	9	91	Gillies Limit (N)	Outcrop
1140509	Apr 02/2002	5-Jul-2007	16	6,400	Gillies Limit (N)	Cabo Mining
3000789	Apr 02/2002	5-Jul-2007	4	1,600	Lorrain	Cabo Mining
3000790	Apr 02/2002	5-Jul-2007	12	4,800	Lorrain	Cabo Mining
3000792	Apr 02/2002	5-Jul-2007	8	3,200	Lorrain	Cabo Mining
3000793	Apr 02/2002	5-Jul-2007	8	3,200	Lorrain	Cabo Mining
1098667	Apr 02/2002	5-Jul-2007	8	3,200	Gillies Limit (N)	Cabo Mining
1098668	Apr 02/2002	5-Jul-2007	9	3,600	Gillies Limit (N)	Cabo Mining
1098670	Apr 02/2002	5-Jul-2007	4	1,600	Gillies Limit (N)	Cabo Mining
1114396	Apr 02/2002	5-Jul-2007	5	2,000	Gillies Limit (N)	Cabo Mining
1114397	Apr 02/2002	5-Jul-2007	9	3,600	Gillies Limit (N)	Cabo Mining
1221535	Apr 05/2001	5-Jul-2007	16	6,400	Gillies Limit (N)	Cabo Mining
1221536	Apr 05/2001	5-Jul-2007	6	2,400	Gillies Limit (N)	Cabo Mining
1249666	Apr 05/2001	5-Jul-2007	14	5,600	Gillies Limit (N)	Outcrop
1249667	Apr 05/2001	5-Jul-2007	16	6,400	Gillies Limit (N)	Outcrop
1249668	Apr 05/2001	5-Jul-2007	16	6,400	Gillies Limit (N)	Outcrop
1249669	Apr 05/2001	5-Jul-2007	12	4,800	Gillies Limit (N)	Outcrop
1249670	Apr 05/2001	5-Jul-2007	16	6,400	Gillies Limit (N)	Outcrop
3006006	Apr 30/2004	13-Aug-2007	12	1,442	Gillies Limit (N)	Outcrop
1221540	May 11/2001	13-Aug-2007	14	5,600	Gillies Limit (N)	Outcrop
3009737	May 13/2003	13-Aug-2007	4	1,600	Lorrain	Cabo Mining
1167221	Jun 07/2002	7-Jun-2007	1	400	Gillies Limit (N)	Outcrop
1167223	Jun 07/2001	7-Jun-2007	1	400	Lorrain	Outcrop
1114399	Jun 17/2002	17-Jun-2007	5	2,000	Gillies Limit (N)	Cabo Mining
3002206	Jun 17/2002	17-Jun-2007	2	800	Lorrain	Cabo Mining
3002207	Jun 17/2002	17-Jun-2007	2	800	Lorrain	Cabo Mining
3002208	Jun 17/2002	17-Jun-2007	13	5,200	Lorrain	Cabo Mining
3002209	Jun 17/2002	17-Jun-2007	8	3,200	Lorrain	Cabo Mining
3005864	Jun 17/2004	17-Jun-2007	16	6,400	Lorrain	Cabo Mining

3014079	Jun 17/2004	17-Jun-2007	4	1,600	Lorrain	<i>Cabo Mining</i>
3014080	Jun 17/2004	17-Jun-2007	3	1,200	Lorrain	<i>Cabo Mining</i>
3005873	Jun 17/2004	17-Jun-2007	9	3,600	South Lorrain	<i>Cabo Mining</i>
3002205	Jun 17/2002	17-Jun-2007	1	800	Gillies Limit (N)	<i>Outcrop</i>
3007540	22-Jun-05	22-Jun-2007	2	600	Gillies Limit (N)	<i>Cabo Mining</i>
3007573	22-Jun-05	22-Jun-2007	1	400	Gillies Limit (N)	<i>Cabo Mining</i>
3007574	22-Jun-05	22-Jun-2007	2	800	Gillies Limit (N)	<i>Cabo Mining</i>
3007575	22-Jun-05	22-Jun-2007	3	1,200	Gillies Limit (N)	<i>Cabo Mining</i>
3007689	22-Jun-05	22-Jun-2007	1	400	Gillies Limit (N)	<i>Cabo Mining</i>
4203248	22-Jun-05	22-Jun-2007	2	800	Gillies Limit (N)	<i>Cabo Mining</i>
1135373	Jun 24/2003	24-Jun-2007	8	3,200	Lorrain	<i>Cabo Mining</i>
1247790	Jun 27/2001	27-Jun-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1247791	Jun 27/2001	27-Jun-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1247794	Jun 27/2001	27-Jun-2007	3	1,200	Gillies Limit (N)	<i>Outcrop</i>
3013741	Jun 30/2004	30-Jun-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
3013742	Jun 30/2004	30-Jun-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1118210	Mar 04/1997	4-Jul-2007	6	2,400	Bucke	<i>Cabo Mining</i>
1118211	Mar 04/1997	4-Jul-2007	4	368	Bucke	<i>Cabo Mining</i>
779310	18-Jul-05	18-Jul-2007	6	2,400	Gillies Limit (N)	<i>Cabo Mining</i>
1230445	Mar 21/1997	21-Jul-2007	15	6,358	Lorrain	<i>Cabo Mining</i>
1230446	Mar 21/1997	21-Jul-2007	14	5,600	Lorrain	<i>Outcrop</i>
1230454	Mar 21/1997	21-Jul-2007	16	6,400	Lorrain	<i>Outcrop</i>
3004218	Aug 08/2002	8-Aug-2007	15	6,000	Gillies Limit (N)	<i>Outcrop</i>
3004219	Aug 08/2002	8-Aug-2007	4	1,449	Gillies Limit (N)	<i>Outcrop</i>
3004220	Aug 08/2002	8-Aug-2007	14	5,600	Gillies Limit (N)	<i>Outcrop</i>
1174378	Aug 15/2001	15-Aug-2007	2	800	Gillies Limit (N)	<i>Outcrop</i>
1174379	Aug 15/2001	15-Aug-2007	2	800	Gillies Limit (N)	<i>Outcrop</i>
1174507	Aug 15/2001	15-Aug-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1225264	Aug 19/1999	19-Aug-2007	4	1,600	Lorrain	<i>Cabo Mining</i>
1225265	Aug 19/1999	19-Aug-2007	2	800	Lorrain	<i>Cabo Mining</i>
1225718	Aug 19/1999	19-Aug-2007	2	800	Lorrain	<i>Cabo Mining</i>
1225721	Aug 19/1999	19-Aug-2007	4	1,600	Lorrain	<i>Cabo Mining</i>
1163096	Aug 30/2002	30-Aug-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1229428	Sep 23/2002	23-Sep-2007	4	1,600	Gillies Limit (N)	<i>Outcrop</i>
1229429	Sep 23/2002	23-Sep-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1229430	Sep 23/2002	23-Sep-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1229432	Sep 23/2002	23-Sep-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1229433	Sep 23/2002	23-Sep-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1212225	May 31/1996	30-Sep-2007	2	800	Gillies Limit (N)	<i>Outcrop</i>
1217456	May 31/1996	30-Sep-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1240236	Oct 06/2000	6-Oct-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1247788	Oct 06/2000	6-Oct-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1247789	Oct 06/2000	6-Oct-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1212226	Jun 07/1996	7-Oct-2007	3	1,200	Gillies Limit (N)	<i>Outcrop</i>
1240227	Oct 15/1999	15-Oct-2007	3	1,200	Gillies Limit (N)	<i>Outcrop</i>
1240228	Oct 15/1999	15-Oct-2007	5	2,000	Gillies Limit (N)	<i>Outcrop</i>
1240229	Oct 15/1999	15-Oct-2007	2	800	Gillies Limit (N)	<i>Outcrop</i>
1240231	Oct 15/1999	15-Oct-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1163097	Nov 01/2002	1-Nov-2007	4	1,600	Lorrain	<i>Cabo Mining</i>

1177998	Nov 01/2002	1-Nov-2007	8	3,200	Lorrain	<i>Cabo Mining</i>
1231085	Nov 12/1998	12-Nov-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1212231	Jul 22/1996	21-Nov-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1135378	Dec 02/2002	2-Dec-2007	10	4,000	Gillies Limit (N)	<i>Cabo Mining</i>
1212395	Dec 02/2002	2-Dec-2007	8	3,200	Gillies Limit (S)	<i>Cabo Mining</i>
1135379	Dec 02/2002	2-Dec-2007	6	2,400	Gillies Limit (N)	<i>Outcrop</i>
3010727	Dec 02/2002	2-Dec-2007	3	1,200	Gillies Limit (N)	<i>Outcrop</i>
3010728	Dec 02/2002	2-Dec-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1135375	Dec 04/2002	4-Dec-2007	1	400	Gillies Limit (N)	<i>Outcrop</i>
1174462	Jan 25/2002	25-Jan-2008	1	400	Gillies Limit (N)	<i>Outcrop</i>
3005758	Feb 13/2004	13-Feb-2008	2	800	Gillies Limit (N)	<i>Cabo Mining</i>
3005868	Feb 13/2004	13-Feb-2008	3	1,200	Gillies Limit (N)	<i>Cabo Mining</i>
3005869	Feb 13/2004	13-Feb-2008	15	6,000	Gillies Limit (N)	<i>Cabo Mining</i>
3005874	Feb 13/2004	13-Feb-2008	2	800	Gillies Limit (N)	<i>Cabo Mining</i>
3005759	Feb 13/2004	13-Feb-2008	6	2,400	Gillies Limit (N)	<i>Outcrop</i>
1231082	Feb 25/1999	25-Feb-2008	2	800	Gillies Limit (N)	<i>Outcrop</i>
1231083	Feb 25/1999	25-Feb-2008	8	3,200	Gillies Limit (N)	<i>Outcrop</i>
1231084	Feb 25/1999	25-Feb-2008	13	4,750	Gillies Limit (N)	<i>Outcrop</i>
1229431	Feb 26/2002	26-Feb-2008	8	3,200	Gillies Limit (N)	<i>Cabo Mining</i>
4206085	April 13, 2006	13-Apr-2008	12	4,800	Lorrain	<i>Cabo Mining</i>
4206091	June 21, 2006	21-Jun-2008	1	400	Gillies Limit (N)	<i>Seymour Sears</i>
4206092	June 21, 2006	21-Jun-2008	1	400	Gillies Limit (N)	<i>Seymour Sears</i>
4206093	June 21, 2006	21-Jun-2008	1	400	Gillies Limit (N)	<i>Seymour Sears</i>
4206090	June 21, 2006	21-Jun-2008	1	400	Lorrain	<i>Seymour Sears</i>
4206089	July 12, 2006	12-Jul-2008	2	800	Gillies Limit (N)	<i>Seymour Sears</i>
4206129	Aug 21, 2006	21-Aug-2008	1	400	Gillies Limit (N)	<i>Outcrop</i>
4206129	Aug 21, 2006	21-Aug-2008	1	400	Lorrain	<i>Outcrop</i>
4206083	Oct 13, 2006	8-Oct-2008	8	4800	Lorrain	<i>Cabo Mining</i>
1193780	Feb 27/1997	29-Jun-2011	1	329	Bucke	<i>Cabo Mining</i>
1193781	Feb 27/1997	29-Jun-2011	1	96	Bucke	<i>Cabo Mining</i>
1247797	Jul 27/2003	27-Jul-2012	1	174	Coleman	<i>Outcrop</i>

LOCATION AND ACCESS

The Cobalt Area Project properties are located approximately 150 km north of North Bay and 100 km south of Kirkland Lake, Ontario. Provincial Highway 11B, leading to the northeast from Trans-Canada Highway 11, provides road access to the towns of Cobalt and Haileybury from which secondary roads lead into most of the claim groups (**Figures 1, 2 & 3**).

PHYSIOGRAPHY

Local relief in the area varies up to a maximum of about 100 metres. Lake Timiskaming is 585 feet (178 m) above sea level. Diabase sills often form prominent hills with steep ledges and cliffs with the intervening valleys generally swamp filled. The Montreal River passes through

the western and southern parts of the claim group, and is typically flanked by extensive gravel and sand deposits.

Forest cover consists of a mixture of poplar, birch, spruce and various pines. An abundance of shrubs and willows as thick underbrush makes traversing difficult.

The area experiences a continental climate with long cold winters and short hot summers. Daytime temperatures can range from a low of -35qC in the winter months to a high of 35qC in the summer months. Yearly precipitation is of the order of 800 mm, occurring as rain and snow. Abundant snow cover adversely affects exploration activities such as geological mapping, but has limited affects on geophysical surveying or core drilling. Both open pit and underground mining may be conducted year round.

HISTORY

Silver was first discovered in the Cobalt mining camp in 1903. Numerous small and large producers were in operation until 1992 (the best estimate is 77 mines) with total production estimated at over 500 million ounces of silver, 50 million lbs. of cobalt, 5 million lbs. of copper, 150 million lbs. of arsenic, 3.1 million lbs. of nickel, 1.2 million lbs. of lead, and 394,000 lbs. of bismuth. No mining operations are active in the area today, but one custom milling operation remains open. The exploration history for the arsenide silver-cobalt vein type deposits and VMS type deposits within Archean basement rocks has been summarized in Douville (2001).

The exploration history for diamond bearing lamprophyre dykes has been summarized in Pryslak (2003). Exploration activities on the properties since the report by Pryslak (2003) concentrated on arsenide silver-cobalt vein type deposits and VMS type deposits. All available assessment reports, files and documents are listed in the references.

GEOLOGY

(a) Regional

The regional geological setting of the Cobalt Area Project properties has been described in both previous NI 43-101 reports (Douville, 2001 and Pryslak, 2003). In general, the area is underlain by inliers of Archean volcano-sedimentary and granitic basement rocks that probably correlate with the Abitibi Subprovince to the north. These rocks are unconformably overlain by relatively flat lying Early Proterozoic Huronian metasedimentary rocks. Nipissing diabase sills and dykes, dated at 2.22 Ga (Andrews et al. 1986b), occur extensively and cross cut both of the above units (Figure 5). All three rock units occur within an approximately 145 km wide basin structure referred to as the Cobalt Embayment. A series of northwest trending faults that are part of the Lake Timiskaming Structural Zone pass through the eastern margin of the Cobalt Embayment.

(b) Property

The Cobalt Area Project properties cover the equivalent of nearly an entire township within the Cobalt Mining Camp, and thus have a varied geology that includes all of the regional units mentioned above. A granitic stock, the Lorrain Granite, underlies most of Lorrain Township on the east side of the Project properties (**Figure 4**). Archean mafic to felsic metavolcanic rocks wrap around the northern, western and southern sides of the granite, and occupy local embayments in the granitic body. The metavolcanic rocks are generally vertical to steeply dipping, and trend northwesterly. The Lorrain Granite is assumed to be younger than the metavolcanic rocks. A number of mafic to ultramafic lamprophyres form dykes and small intrusive bodies that cross cut both the metavolcanic rocks and, in some cases, the Lorrain Granite. These must have been emplaced near the end of the intrusion of Lorrain Granite since they are also occasionally cut by it. Diamond bearing varieties of these lamprophyre dykes and intrusion breccias have been found on the properties.

The Huronian sediments that unconformably overly the metavolcanic and granitic rocks consist of conglomerate (boulder to drop-stone), arkose, greywacke and sandstone. They are locally divided into three main formations, the lowermost Coleman Formation overlain by the Firstbrook Formation and the uppermost Lorrain Formation (after Thompson, 1960c). These sediments occupy erosion channels and depressions (paleovalleys) in the underlying basement rocks. An extensive system of Nipissing aged diabase sills and dykes has intruded the granite volcanic basement rocks and the Huronian sediments. The sills are variable in thickness (up to 300 metres), and form broad, undulating east-west and north-south trending basins and arches. The last geological units on the properties are sparsely distributed Keweenawan aged (1.45 Ga) narrow, olivine and quartz diabase dykes.

The northwesterly trending Timiskaming Fault passes immediately to the east of the property, along the west shore of Lake Timiskaming. Two parallel faults, the Crosswise Lake and Montreal River faults, trending at 325q pass through the properties. Numerous smaller conjugate faults are also present.

(c) Deposit Types

Three mineral deposits types have been recognized on the Cobalt Area Project properties.

1. "Cobalt-Type" or arsenide silver-cobalt vein deposits: This area is the type locality for epigenetic "Cobalt-Type" or arsenide silver-cobalt vein deposits (Ruzicka and Thorpe, 1995), which are also known as "five-element (Ni-Co-As-Ag-Bi)" veins (Kissin, 1992). They occur predominantly as vertical to steeply dipping veins (**Figure 5**), and are known from past production records to be narrow but of very high grade (in the thousands of ounces Ag per ton range). Historically, the most prolific silver producing veins in the Cobalt area were hosted by conglomerates of the Coleman Formation within 100 metres of contacts with diabase sills. The average producing veins were less than 0.3 metres in width and individual ore lenses ranged from 30 to 100 metres in length

by less than 50 metres in vertical extent. The ore lens located in the Kerr Lake area adjacent to the Silver Leaf claim (#1247797 of the Project properties) was reported to be the richest silver vein in the world, and measured only 286 feet (87 m) in length by 200 feet (61 m) in depth. It was mined over a width of approximately 2.5 feet (0.76 m), and produced 9,211,279 oz. of silver (Sergiades, 1968), which is equivalent to 217 oz. Ag per square foot of vein area (Thomson, 1961g). The most productive 40-acre claim was probably the Coniagas with a production of nearly 34 million oz. Ag or the Nipissing R.L. 404 with an estimated production of 40 million oz. Ag (Sergiades, 1968). Four small past producers (Table 2) are located within the Project properties, along with at least 20 old exploration shafts, three adits and literally thousands of exploration pits and trenches. Various sub-types of the arsenide Ag-Co deposits in the Cobalt area have been described in Douville (2001).

TABLE 2
Past Producers Within The Cobalt Area Project Properties.
(Production and Grade Data from Sergiades (1968))

Producer Name	Production	Grade	Production
	Ag (oz.)	Oz. Ag/ton	Co (lbs.)
Silver Leaf	495,443	1,516	1,206
Waldman	33,525	-	2,066
Lang-Caswell	1,503	-	4,932
T.T.L. (North Cobalt)	1,453	207	-

2. **VMS base metal deposits:** The Archean mafic to felsic metavolcanic rocks have good potential to host economic volcanic-associated massive sulphide (VMS) base metals and/or gold deposits as occur in the Archean Abitibi Subprovince, just 50 km to the north. The reader is referred to Douville (2001) for a more detailed review of these types of deposits. Within the Cobalt Camp, the Foster No. 5 vein was the largest individual base metal producer, and was associated with a band of interflow sedimentary rocks up to 25 feet (7.6 m) thick in Archean metavolcanic rocks. The sedimentary rocks comprised mainly chert and minor black carbonaceous sediments and tuff. Sphalerite, galena, chalcopyrite, pyrite, and pyrrhotite have in part replaced the chert and an assay of completely replaced chert returned 20.15% Zn, 8.37% Pb, 0.58% Cu, 0.28% Co, 1.53 oz./ton (52.5 g/t) Ag, and trace Au. Silver-cobalt calcite veins cross cut the base metal mineralization. In 1951, reserves were reported to be in excess of 300,000 tons (272,158 tonnes) containing 3% Zn, 1.5% Pb, 0.5% Cu, and 0.75 oz./ton (25.7 g/t) Ag. An independent reserve estimate indicated 200,000 tons (181,439 tonnes) containing

2.42% Zn, 1.62% Pb, 0.38% Cu, and 0.85 oz./ton (29.1 g/t) Ag (Thomson, 1961g). Both of the above estimates are pre NI 43-101 and are unlikely to be 43-101 compliant. The mineralization occurs over a length of about 700 feet (213 m), to a depth of about 500 feet (152 m) and averages about 12 feet (3.66 m) in width.

3. **Diamond deposits associated with kimberlite and lamprophyre intrusions:** The properties lie within a zone referred to as the Timiskaming Structural Zone (Sage, 1996, 1998). At least 14 kimberlite pipes have been located immediately north of the Project properties in the area around New Liskeard. In addition, numerous lamprophyre dykes and a large lamprophyre breccia body occur in the southern part properties. These dykes and breccia bodies are similar to diamondiferous dykes and breccias that are being actively evaluated in the Wawa area of Ontario (Spider Resources Inc. website). To date, 92 micro-diamonds and 4 macro-diamonds have been recovered from exploration drill core samples from a lamprophyric breccia pipe in the Pan Lake – Anderson Lake area (Cabo Press releases, June 17, 2002 & March 7, 2003). For additional information on the diamond potential of the properties, the reader is referred to Prysak (2003).

(d) Mineralizaion

Several Ag-Co as well as diamond mineral occurrences are known on the properties. These have been described in detail by Douville (2001) and Prysak (2003), and are not repeated here. Those mineral occurrences visited by the Author are described below.

Mineralization at the Professor Adit occurs in narrow steeply dipping to vertical calcite-quartz veins generally trending at 045° - 100° that are hosted for the most part by mafic metavolcanic rocks. The adit is about 565 metres long, but only the first 285 metres can be accessed safely. Grab samples #93951 and #93952 were taken from 10-12 cm wide parts of the #3 vein, and contained minor Co bloom and minor amounts of metallic minerals.

Mineralization in the Cumming Pits area consists of shallowly dipping calcite veins, and a quartz, with minor calcite, breccia zone that are hosted by Nipissing Diabase. Grab sample #93953, containing minor galena and Ni bloom, was taken from a 10 cm thick calcite vein striking at 115° and dipping at 20°S. Grab sample #93954, containing minor Co bloom, was taken from the breccia in the face of one of the pits. The breccia strikes at ~020° and dips vertically.

In the vicinity of the Waldman #1 Shaft, mineralization occurs in narrow, steeply dipping to vertical, calcite veins generally trending at 090° that are hosted by pillowed mafic metavolcanic rocks. Grab sample #93955 was selected from a 10 cm wide vein containing vuggy calcite and ~5% galena and pyrite. Grab sample #93956 was taken from a “rotten” (highly oxidized) 4 cm wide vein with abundant Co bloom.

Three samples of core from drilling at the Waldman property were selected for check assays. Sample #93960, taken from Hole COB-19 (0.30 m interval from 20.6 0 –20.90

m), contains a 3 cm wide calcite vein with a 1 mm width of arsenopyrite along its lower margin. Hole COB-23 was sampled in two places. Sample # 93958 was selected from a 0.35 m wide interval (28.20 – 28.55 m) containing a calcite vein with arsenopyrite. Sample #93959, of a calcite vein with pyrite, chalcopyrite and sphalerite was taken immediately below a 0.40 m wide interval (28.55 – 28.95 m).

One sample, #93957, was taken from a 0.22 m interval (129.43 – 129.65 m) of core obtained from Hole COB-24 drilled on the Silver Leaf property. The sample contains a 1 mm wide cobaltite or smaltite filled fracture.

GRID EMPLACEMENT

The work on Grid One was begun on February 22nd, 2007. Lines were cut out every 100 meters in a north-south direction and stations placed every 25 meters. The last five digits of the UTM coordinates, NAD 83, were used for the grid coordinates. After the grid was emplaced, each 25-meter station was surveyed in with a survey-quality GPS unit, that is, with an accuracy of less than 0.5 meters for horizontal coordinates as well as for the elevation. This grid consists of lines 97800E to 99300E, inclusive.

Grid Two, which occurs less than a kilometer to the south of grid one, had been previously cut out, except for two lines. The second crew therefore cut these two lines out and resurveyed in the entire grid also using UTEM coordinates for the grid coordinates. This grid consists of lines 98050E to 98950E, inclusive.

Grid One totaled 19,450 meters in survey lines and a baseline of 1,700 meters, whereas grid Two totaled 7,200 meters in survey lines and a baseline of 1,000 meters.

MMI SOIL SAMPLING

(a) Sampling Procedure

The samples were picked up every 12.5 meters on the 100-meter separated lines. The total number of MMI samples for the purpose of this report is 799, which is a follow-up to 515 samples reported on in the writer's previous report, thus giving a total of 1,314 samples. The MMI sampling is ongoing and thus the remainder of the sample results will be given in a later report.

The sampling procedure was to first remove the organic material from the sample site (A_0 layer) and then dig a pit over 25 cm deep with a shovel. Sample material was then scraped from the sides of the pit over the measured depth interval of 10 centimeters to 25 centimeters. About 250 grams of sample material was collected and then placed into a plastic Zip-loc sandwich bag with the sample location marked thereon. The 799 samples were then packaged and sent to SGS Minerals located at 1885 Leslie Street, Toronto, Ontario. (This is only one of two labs in the world that do MMI analysis, the other being in Perth, Australia where the MMI method was developed.)

(b) Analytical Methods

At SGS Minerals, the testing procedure begins with weighing 50 grams of the sample into a plastic vial fitted with a screw cap. Next is added 50 ml of the MMI-M solution to the sample, which is then placed in trays and put into a shaker for 20 minutes. (The MMI-M solution is a neutral mixture of reagents that are used to detach loosely bound ions of any of the 38 elements from the soil substrate and formulated to keep the ions in solution.) These are allowed to sit overnight and subsequently centrifuged for 10 minutes. The solution is then diluted 20 times for a total dilution factor of 200 times and then transferred into plastic test tubes, which are then analyzed on ICP-MS instruments.

Results from the instruments for the 38 elements are processed automatically, loaded into the LIMS (laboratory information management system which is computer software used by laboratories) where the quality control parameters are checked before final reporting.

(c) Compilation of Data

Ten elements were chosen out of the 38 reported on and these were silver, copper, cobalt, gold, arsenic, cerium, molybdenum, nickel, lead, and zinc. The mean background value was calculated for each of the ten elements and 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 15 lines of samples for Grid 1 and the 10 lines of samples for Grid 2.

In addition, a plan map for each grid was made for each of three metals, being silver, copper, and cobalt on maps GC-1 to GC-3, respectively. On each map, the data was plotted and contoured at a logarithmic interval.

DISCUSSION OF RESULTS

GRID 1 - The MMI survey has revealed 12 very strong anomalous responses on the six survey lines that are very likely indicating the Cobalt-area type arsenide silver-cobalt mineralization. Some of these will be caused by the same vein thus indicating strikes in excess of 100 meters. More detail sampling in between the survey lines in the area of the highs should thus be carried out to help determine the continuity of the causative sources. These very strong anomalies are characterized by anomalous responses of one or two samples wide which is what was expected for this type of very narrow mineralization.

In addition to these 12 very strong anomalies, there also are an additional 12 anomalies that are not as strong as the above 12 but still of strong exploration interest. Considering how narrow these type of veins are, more detail sampling may reveal anomalous responses just as strong as the first 12 anomalies.

The survey also revealed two anomalies that are indicative of sulphide mineralization. The stronger one occurs at the northern end of line 98800E centering at 47550N and the second one at the southeastern corner of the survey area on lines 99200E and 99300E centering at about

46900N. The predominant metal is copper with lower anomalous values of gold, silver and cobalt.

GRID 2 – The MMI survey revealed two strong mainly copper anomalies that are indicative of sulphide mineralization as well as some weaker cobalt-silver anomalies that are indicative of Cobalt area type mineralization.

Considering the MMI survey is ongoing, a more detailed interpretation will be given in a later report.

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GEOPHYSICIST'S CERTIFICATE


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 – 125th 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 38 years, and have been active in the mining industry for the past 41 years.
3. This report is compiled from data obtained from an MMI soil sample surveying carried out by a crew of Geotronics Consulting headed by myself over two grids within the northern part of the Cobalt Property during the period of May 17th to July 10th, 2007.
4. I am a shareholder of International Millennium Mining Corp, holding a total of 20,000 shares. However, I will not be receiving any interest as a result of writing this report.


David G. Mark, P.Ge.
Geophysicist



August 7, 2007

AFFIDAVIT OF EXPENSES

MMI soil sample surveying along with grid emplacement was carried out over the northern portion of Cobalt Property, which occurs to the immediate south of Cobalt, Ontario, during the period of May 27th to July 10th, 2007, to the value of the following:

(Costs for an MMI soil sampling survey carried out earlier than the above-noted date were applied in the writer's previous report on the property dated June 21st, 2007.)

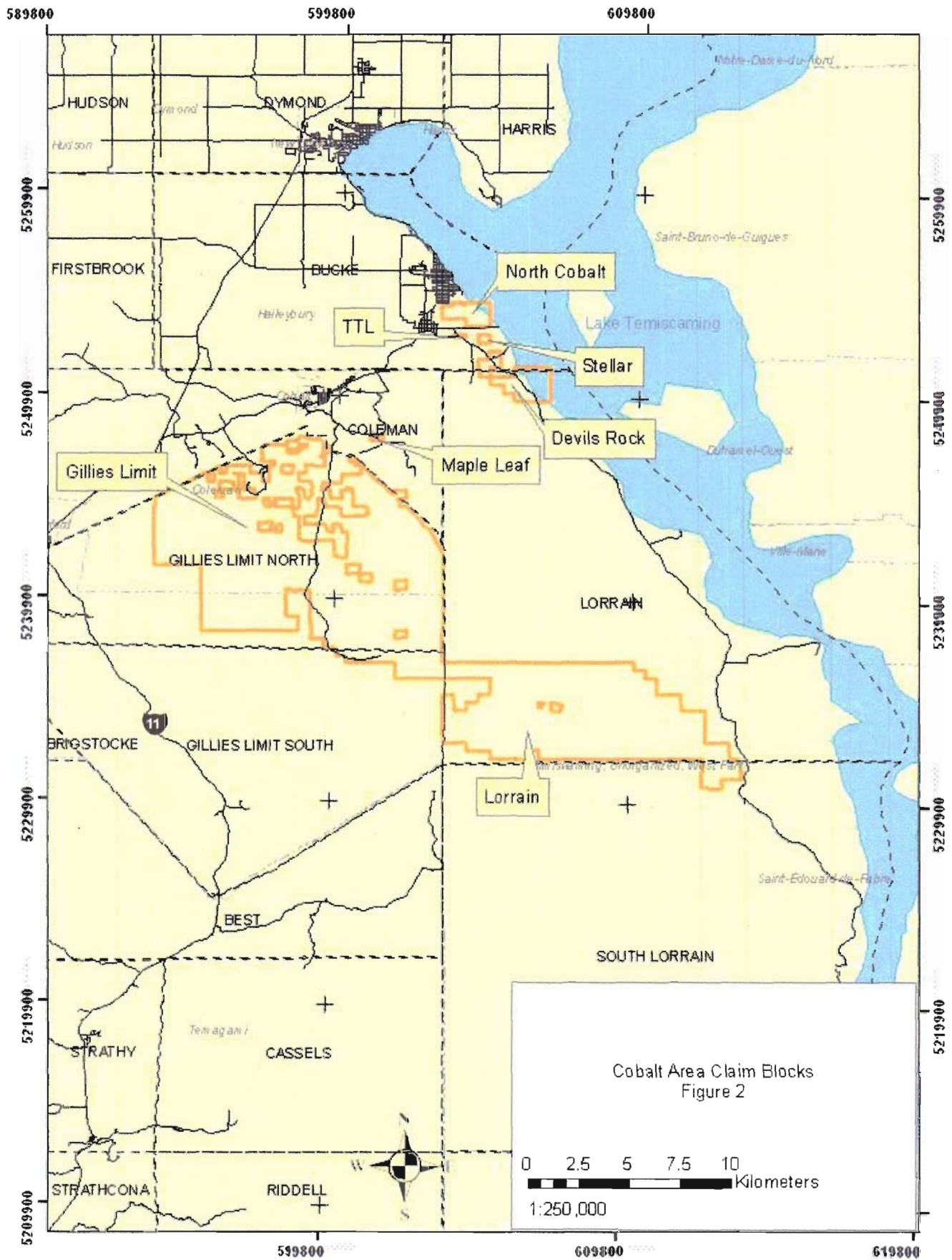
<u>FIELD and LABORATORY:</u>		
MMI Survey, 2-man crew, 4 days @ \$1,050/day	\$4,200.00	
MMI Survey, 4-man crew, 9 days @ \$1,800/day	16,200.00	
MMI Survey, 6-man crew, 12.5 days @ \$2,400/day	30,000.00	
ATV rental, 3 days @ \$100/day	300.00	
Boat rental, 5 days @ \$75/day	375.00	
Testing of 799 samples @ \$35/sample	27,965.00	
Packing and sorting of samples	415.00	
Courier costs for sample shipping	<u>613.00</u>	
TOTAL	\$80,068.00	\$80,068.00
<u>DATA REDUCTION and REPORT</u>		
Senior Geophysicist, 22 hours @ \$62.50/hour	\$1,375.00	
Data reduction and mapping, 63 hrs @ \$35/hr	2,205.00	
Data input, re sample descriptions, etc.	<u>1,245.00</u>	
	\$4,825.00	\$4,825.00
GRAND TOTAL		\$84,893.00

Respectfully submitted,
Geotronics Consulting Inc.



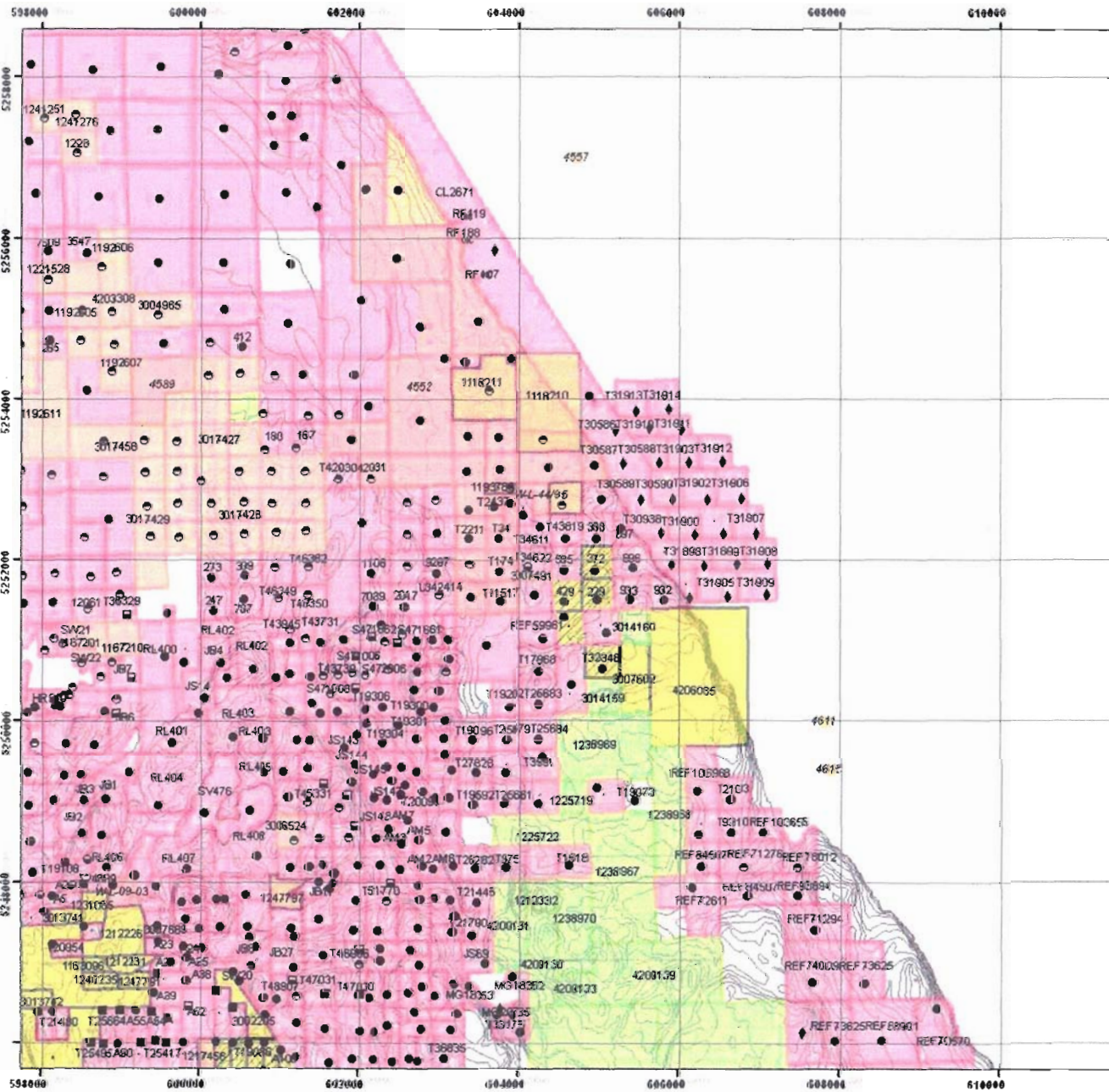
David G. Mark, P.Geo,
Geophysicist

August 7, 2007



Cobalt Area Claim Blocks
Figure 2

0 2.5 5 7.5 10
Kilometers
1:250,000

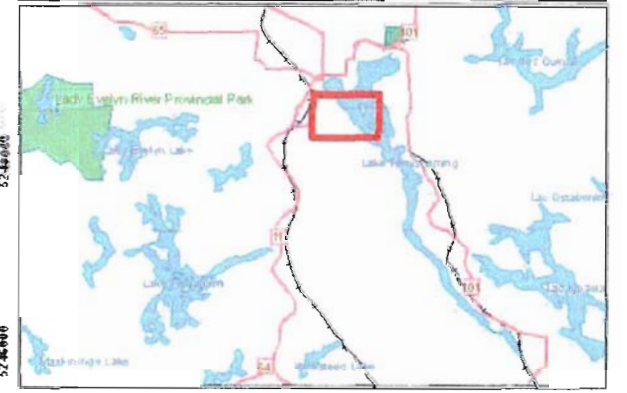
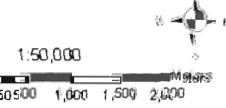


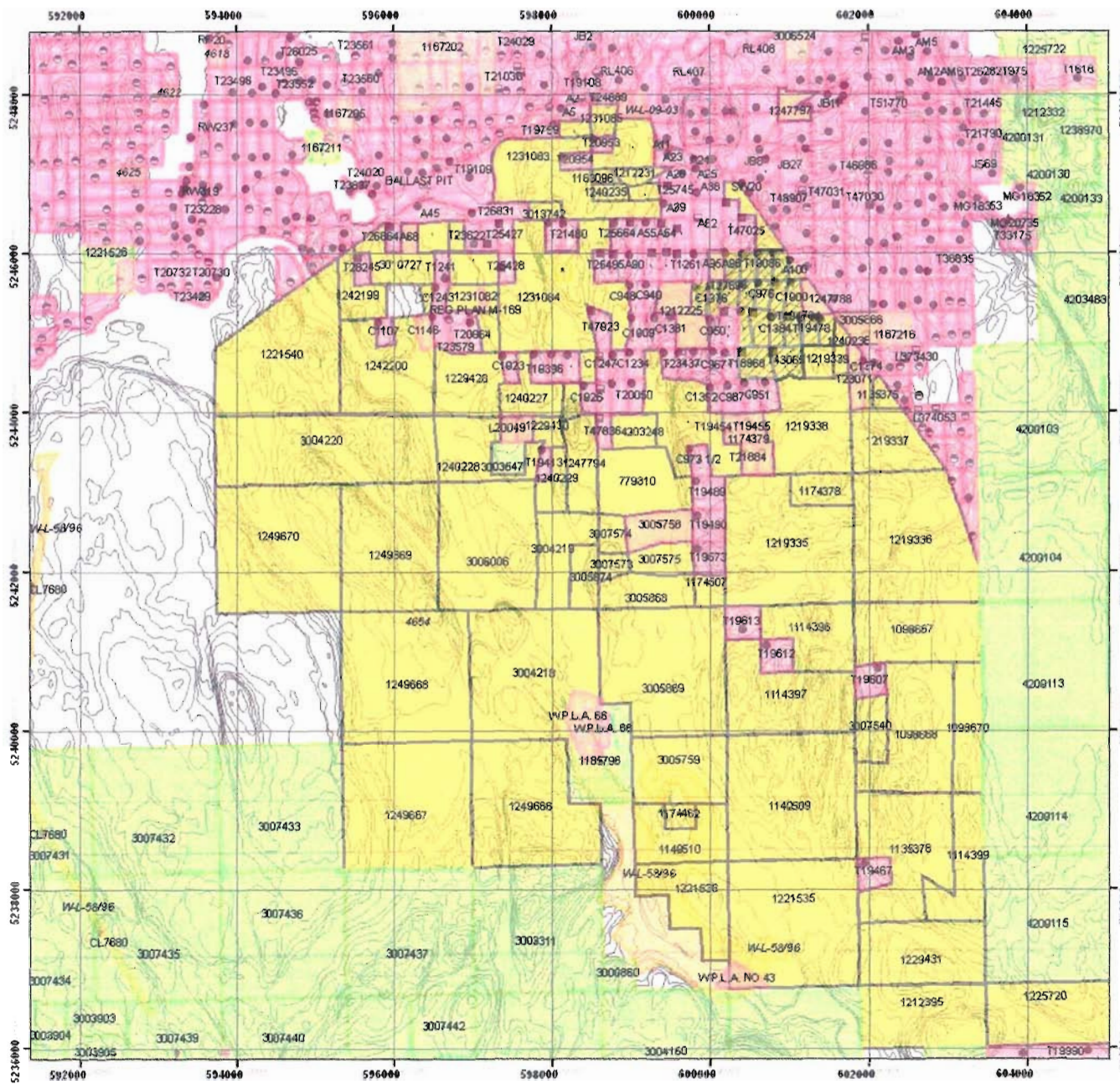
Cobalt Area Project Claim Location Map North Cobalt Group Figure 3a

Created April 14, 2006 by GIX Inc.
North American Datum 1983 UTM Zone 17, 2000m Grid
Based on MINDM Claimmap Data, and MNR OBM Data

Legend

- | | |
|---|--|
| <p>Dispositions</p> <ul style="list-style-type: none"> Withdrawn Land Patent, Lease, or License of Occupation <ul style="list-style-type: none"> Cabs Other Ontario Mining Claims <ul style="list-style-type: none"> Cabs Other Mining Claim <ul style="list-style-type: none"> Other | <p>Land Tenure</p> <ul style="list-style-type: none"> Water power lease agreement Land use permit Camp Order in Council <p>Freehold Patent</p> <ul style="list-style-type: none"> Mining rights only Surface and mining rights Surface rights only <p>Leasehold Patent</p> <ul style="list-style-type: none"> Surface and mining rights Surface rights only Mining rights only <p>License of Occupation</p> <ul style="list-style-type: none"> Surface and mining rights |
|---|--|





Cobalt Area Project Claim Location Map Gillies Limit Group Figure 3b

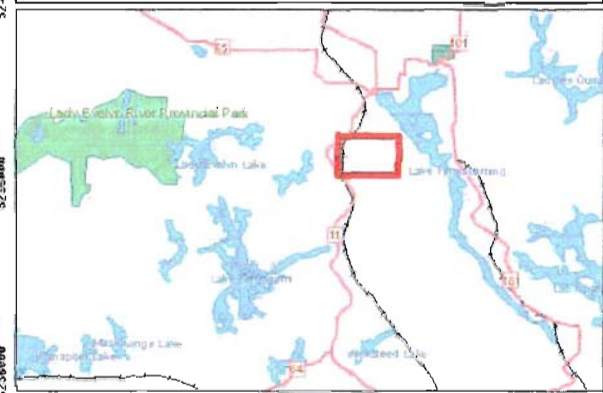
Created April 14, 2006 by GIX Inc.
North American Datum 1983 UTM Zone 17; 2000m Grid
Based on MNM Data, and MNR OBM Data

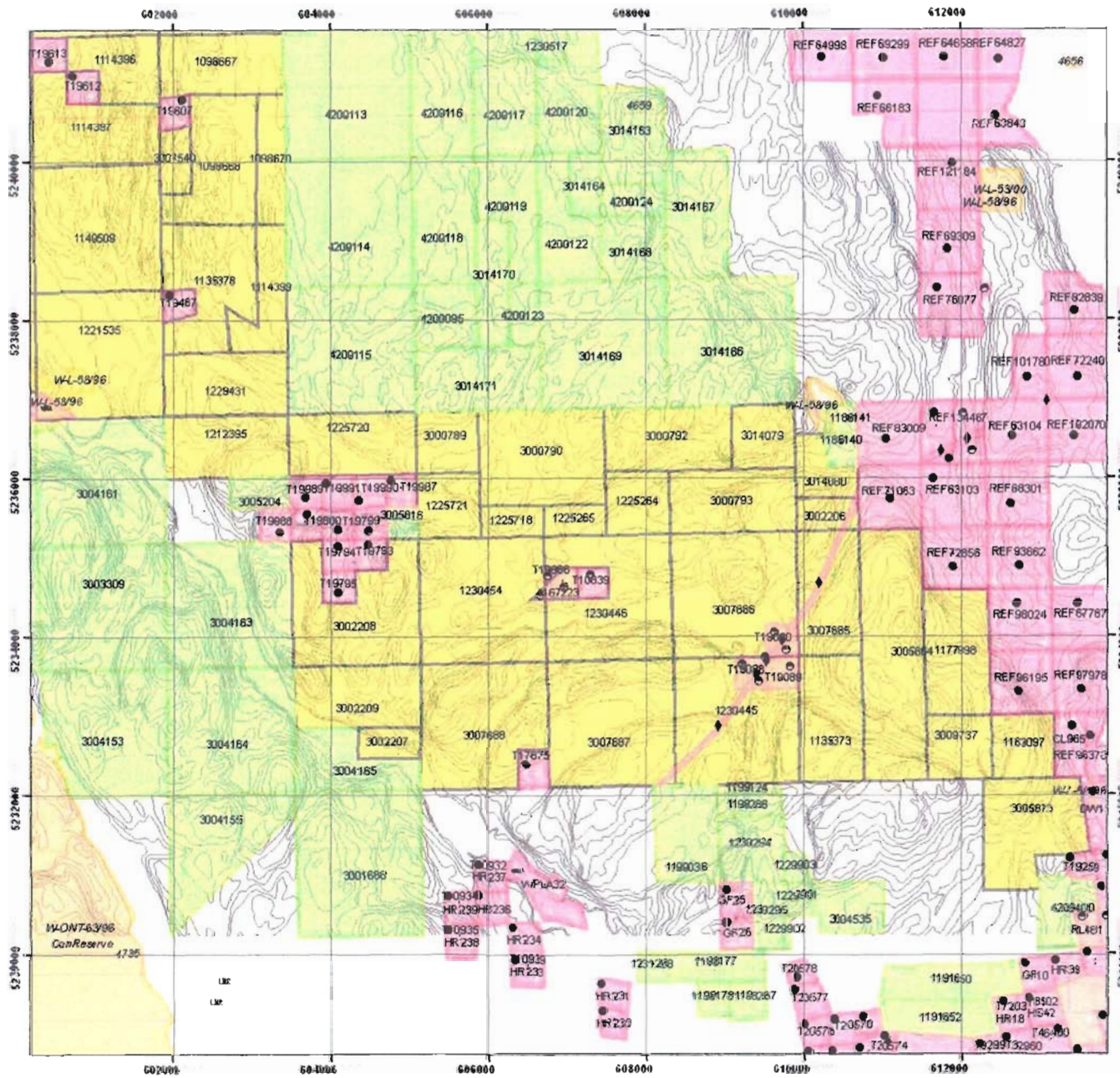
Legend

Dispositions	Land Tenure
<ul style="list-style-type: none"> Cabo Other 	<ul style="list-style-type: none"> Water power lease agreement Land use permit Camp Order in Council
Ontario Mining Claims	Freehold Patent
<ul style="list-style-type: none"> Cabo Other Withdrawn Land 	<ul style="list-style-type: none"> Mining rights only Surface and mining rights Surface rights only
	Leasehold Patent
	<ul style="list-style-type: none"> Surface and mining rights Surface rights only Mining rights only
	License of Occupation
	<ul style="list-style-type: none"> Surface and mining rights

1:50,000

0 250 500 1,000 1,500 2,000 Meters





Cobalt Area Project Claim Location Map Lorraine Group Figure 3c

Created April 14, 2005 by GIX Inc.
North American Datum 1983 UTM Zone 17, 2000m Grid
Based on MNDM Claimmap Data, and MNR OBM Data

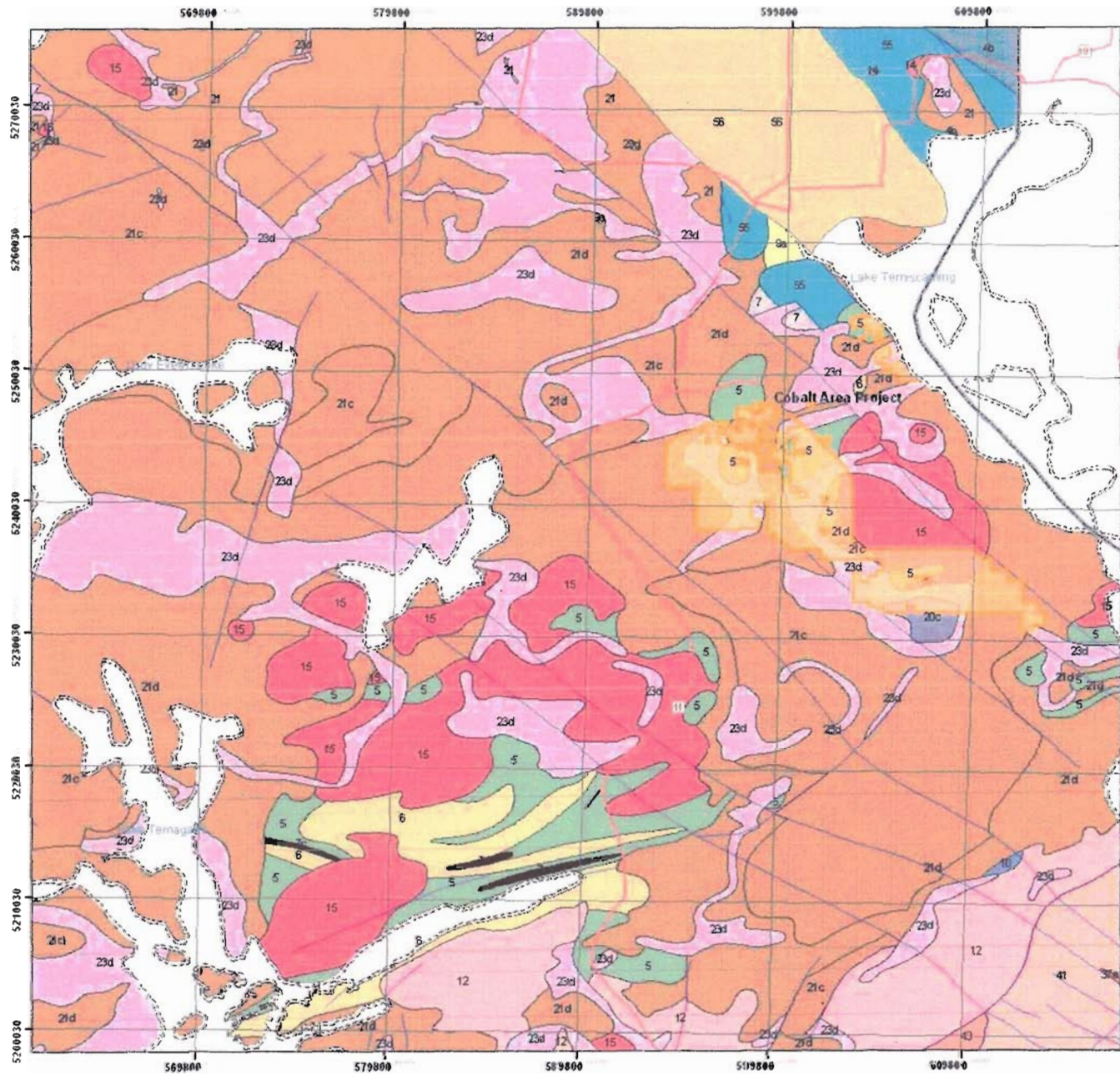
Legend

<ul style="list-style-type: none"> Withdrawn Land Dispositions Cabo Other Ontario Mining Claims Mining Claim Cabo Other 	<ul style="list-style-type: none"> Water power lease agreement Land use permit Camp Order in Council Freehold Patent Mining rights only Surface and mining rights Surface rights only Leasehold Patent Surface and mining rights Surface rights only Mining rights only License of Occupation Surface and mining rights
---	--

1:50,000

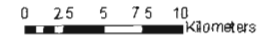
0 250 500 1,000 1,500 2,000 Meters





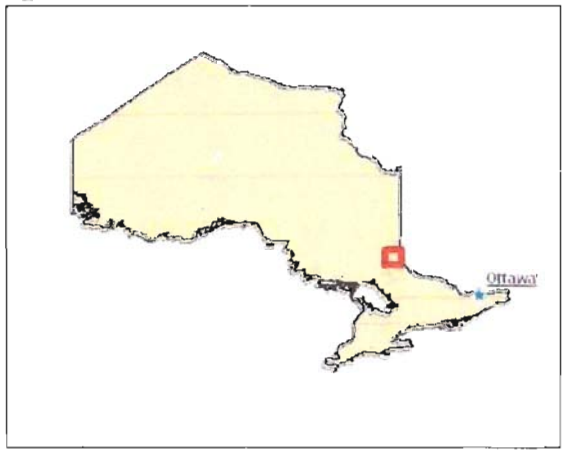
Cobalt Area Project Regional Geology Map Figure 4

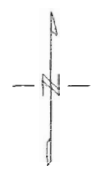
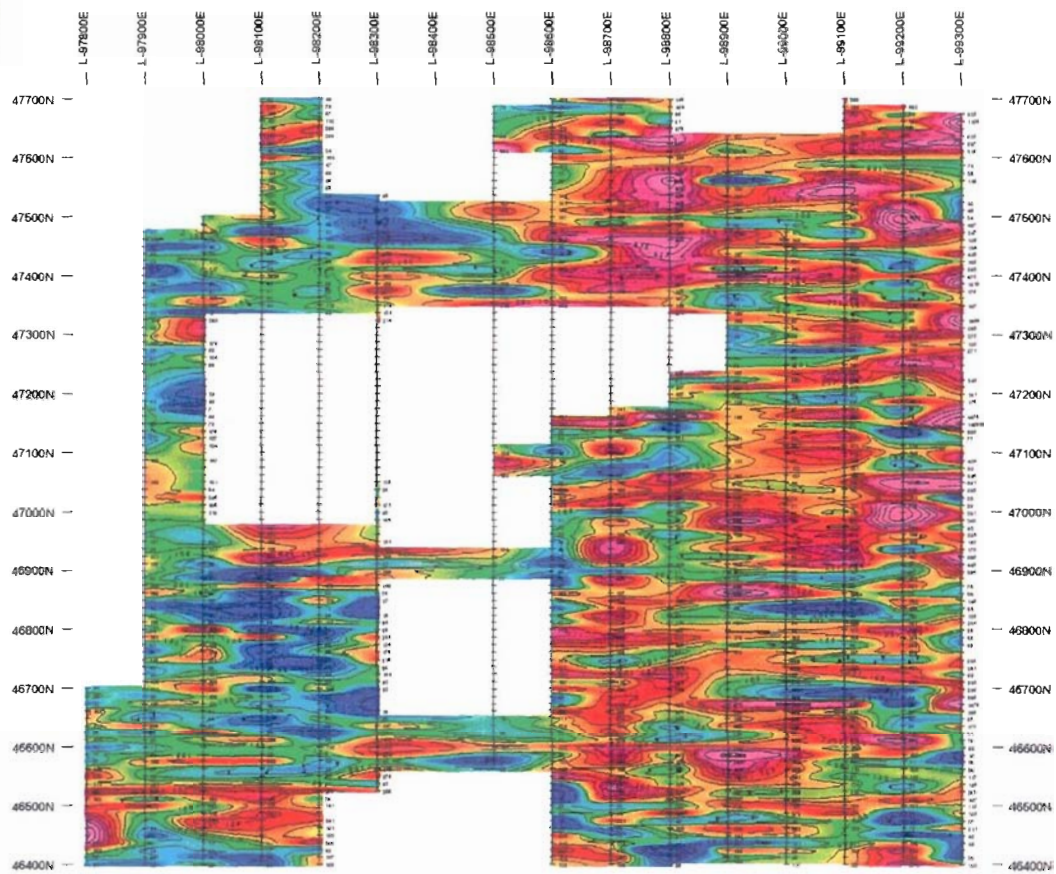
Created August 15, 2005 by GIX Inc.
GCS North American 1983; 10 kilometre grid
Based on MNDM 1:250k Bedrock Geology



1:300,000

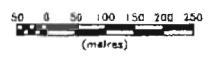
- Legend**
- 15 Cobalt Area Project (Cobalt) area
 - 21 Cobalt Area Project (Cobalt) area
 - 23 Cobalt Area Project (Cobalt) area
 - 5 Cobalt Area Project (Cobalt) area
 - 6 Cobalt Area Project (Cobalt) area
 - 7 Cobalt Area Project (Cobalt) area
 - 8 Cobalt Area Project (Cobalt) area
 - 9a Cobalt Area Project (Cobalt) area
 - 10 Cobalt Area Project (Cobalt) area
 - 11 Cobalt Area Project (Cobalt) area
 - 12 Cobalt Area Project (Cobalt) area
 - 20c Cobalt Area Project (Cobalt) area
 - 21d Cobalt Area Project (Cobalt) area
 - 23c Cobalt Area Project (Cobalt) area
 - 23d Cobalt Area Project (Cobalt) area
 - 23e Cobalt Area Project (Cobalt) area
 - 30a Cobalt Area Project (Cobalt) area
 - 30b Cobalt Area Project (Cobalt) area
 - 30c Cobalt Area Project (Cobalt) area
 - 30d Cobalt Area Project (Cobalt) area
 - 30e Cobalt Area Project (Cobalt) area
 - 30f Cobalt Area Project (Cobalt) area
 - 30g Cobalt Area Project (Cobalt) area
 - 30h Cobalt Area Project (Cobalt) area
 - 30i Cobalt Area Project (Cobalt) area
 - 30j Cobalt Area Project (Cobalt) area
 - 30k Cobalt Area Project (Cobalt) area
 - 30l Cobalt Area Project (Cobalt) area
 - 30m Cobalt Area Project (Cobalt) area
 - 30n Cobalt Area Project (Cobalt) area
 - 30o Cobalt Area Project (Cobalt) area
 - 30p Cobalt Area Project (Cobalt) area
 - 30q Cobalt Area Project (Cobalt) area
 - 30r Cobalt Area Project (Cobalt) area
 - 30s Cobalt Area Project (Cobalt) area
 - 30t Cobalt Area Project (Cobalt) area
 - 30u Cobalt Area Project (Cobalt) area
 - 30v Cobalt Area Project (Cobalt) area
 - 30w Cobalt Area Project (Cobalt) area
 - 30x Cobalt Area Project (Cobalt) area
 - 30y Cobalt Area Project (Cobalt) area
 - 30z Cobalt Area Project (Cobalt) area






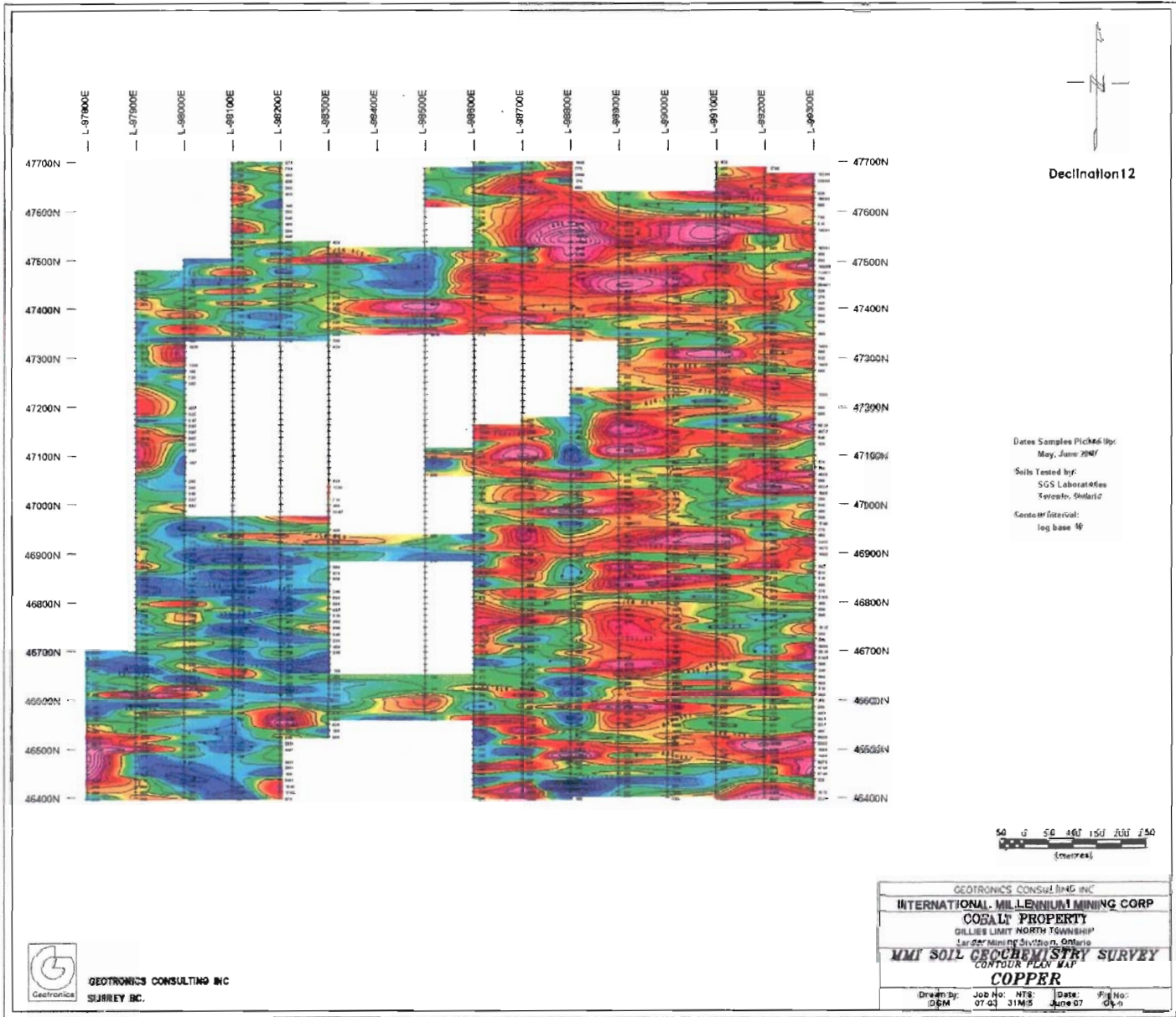
Declination 12

Dates Samples Picked Up:
May, June 2007
Soils Tested by:
SGS Laboratories
Toronto, Ontario
Contour Interval:
log base 10



 **GEOTRONICS CONSULTING INC**
SURREY BC.


GEOTRONICS CONSULTING INC
INTERNATIONAL MILLENNIUM MINING CORP
COBALT PROPERTY
GILLIES LAKE NORTH TOWNSHIP
Larder Mining Division, Ontario
MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN MAP
COBALT
Drawn by: DDM Job No: 07-03 NTS: 31M5 Date: June 07 Fig No: Gp-2



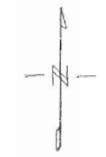
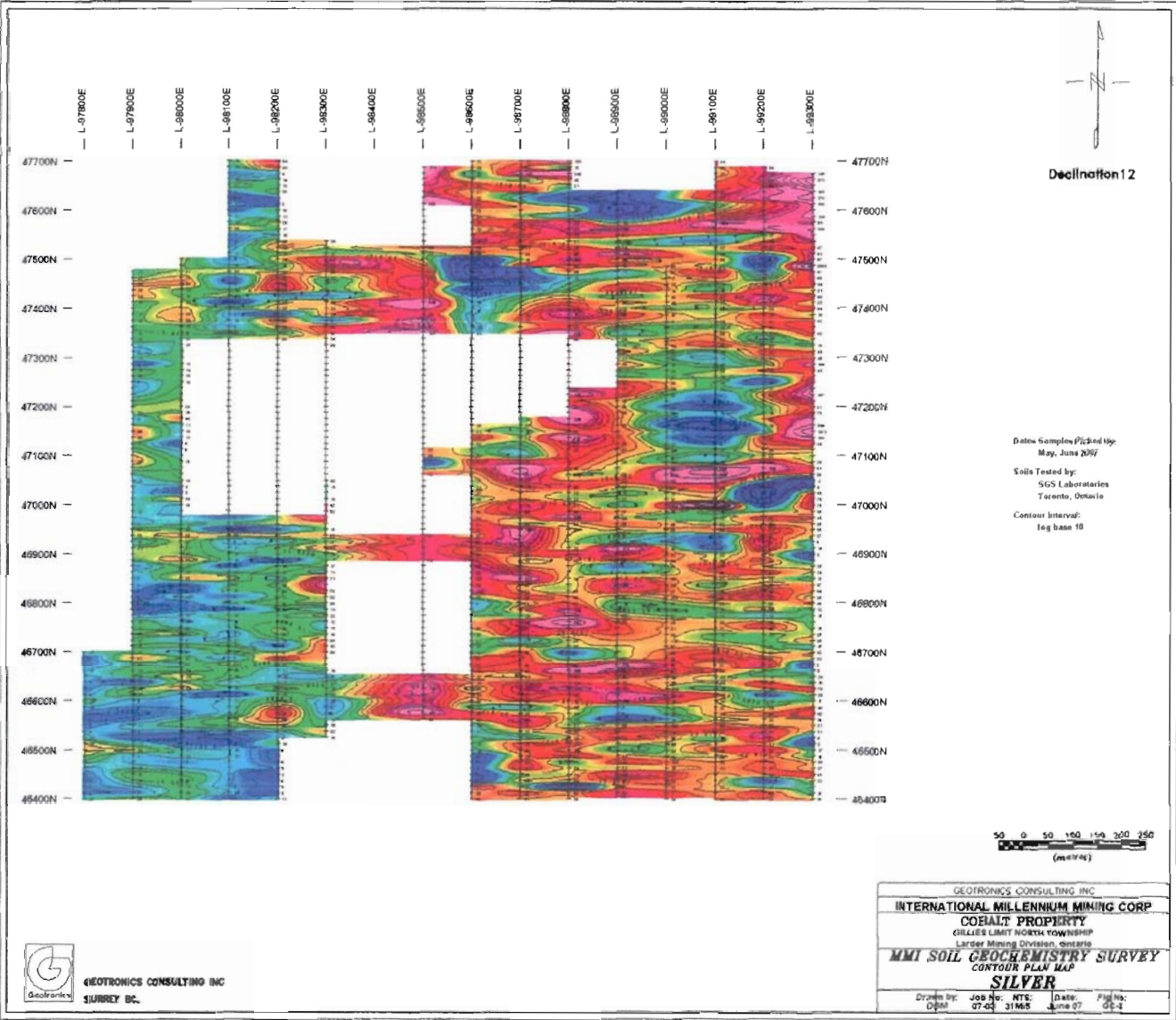
Declination 12

Dates Samples Picked by:
 May, June 2007
 Soils Tested by:
 SGS Laboratories
 Toronto, Ontario
 Contour Interval:
 log base 10



 **GEOTRONICS CONSULTING INC**
 SUDBURY, ONT.

GEOTRONICS CONSULTING INC
INTERNATIONAL MILLENNIUM MINING CORP
COBALT PROPERTY
 GILLIES LIMB NORTH TOWNSHIP
 Jardar Mining Division, Ontario
MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR FLOOR MAP
COPPER
 Drawn By: DGM Job No: NTR-07-01 Date: 31 May 07 File No: 04-0

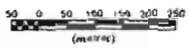



Declination 12

Date Samples Picked Up:
May, June 2007

Soils Tested by:
SGS Laboratories
Toronto, Ontario

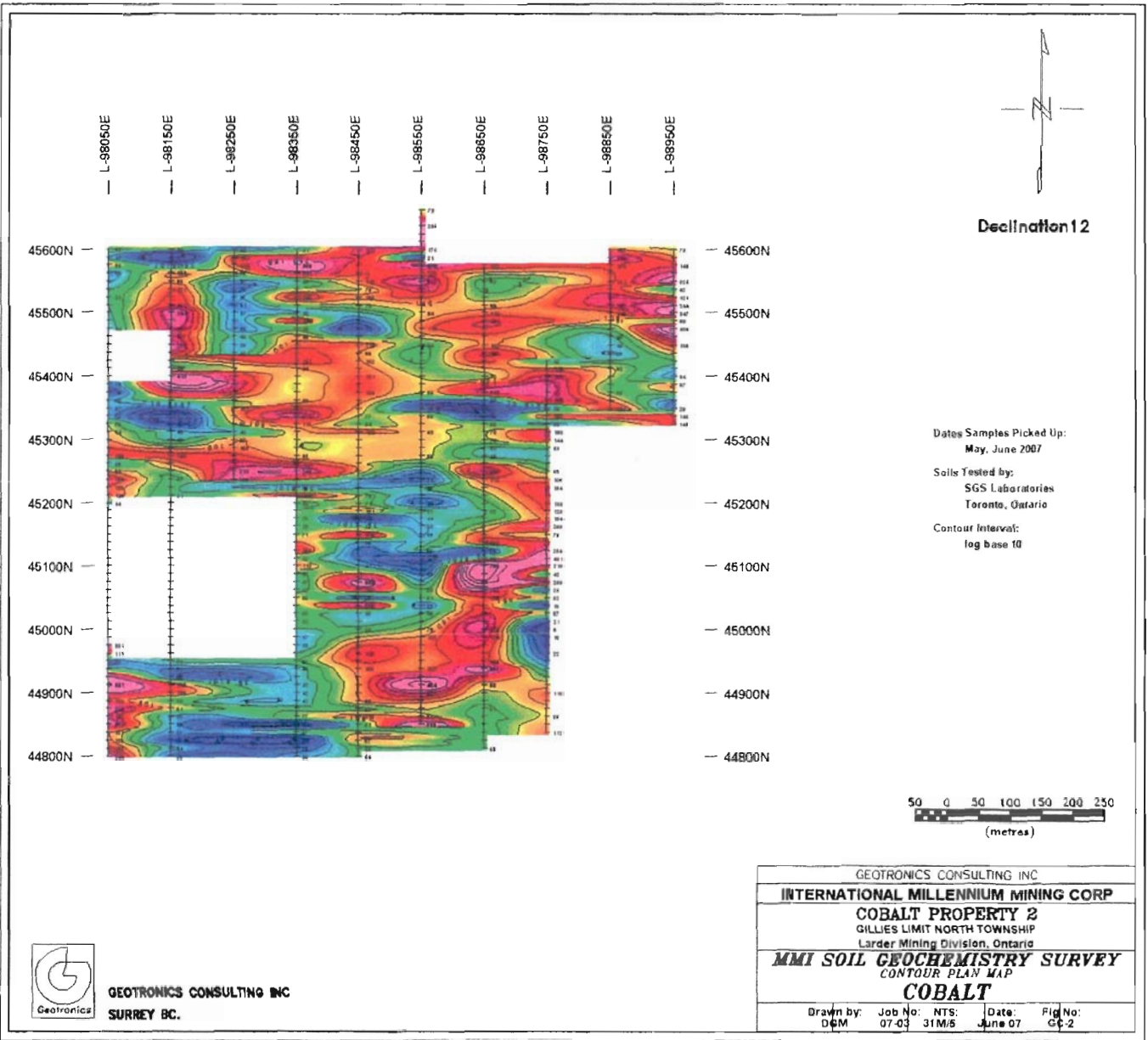
Contour Interval:
log base 10



 **GEOTRONICS CONSULTING INC**
SURREY, BC.

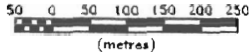
GEOTRONICS CONSULTING INC
INTERNATIONAL MILLENNIUM MINING CORP
 COBALT PROPERTY
 GILLIES LIMIT NORTH TOWNSHIP
 Larder Mining Division, Ontario
MMI SOIL GEOCHEMISTRY SURVEY
 CONTOUR PLAN MAP
SILVER

Drawn by: Job No: NTS: Date: File No:
 DPM 07-05 31M5 June 07 05-1



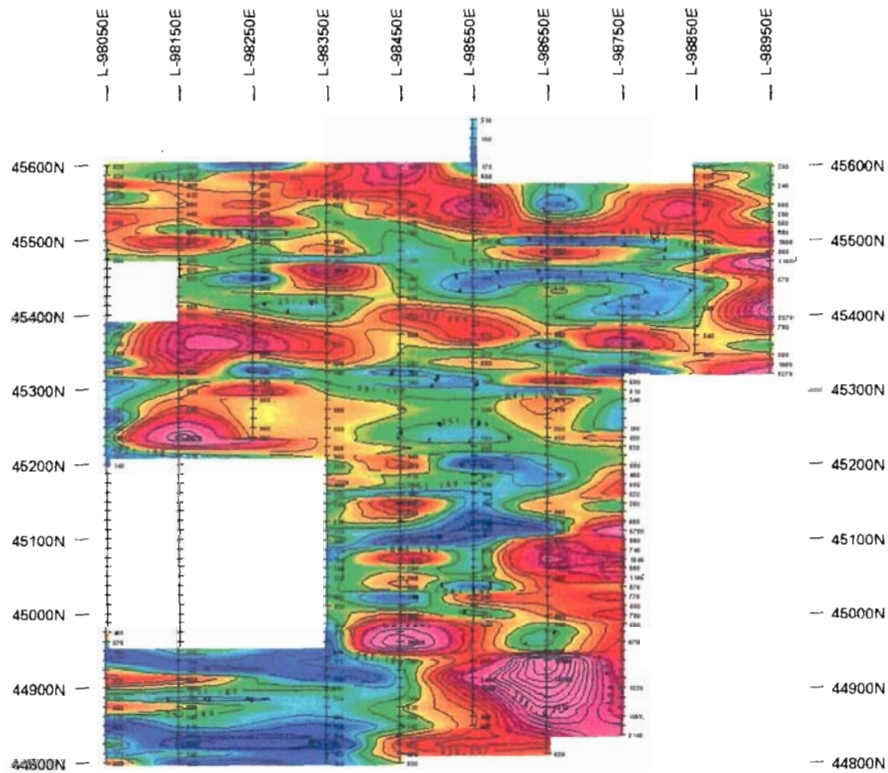
Declination 12

Dates Samples Picked Up:
 May, June 2007
 Soils Tested by:
 SGS Laboratories
 Toronto, Ontario
 Contour Interval:
 log base 10



GEOTRONICS CONSULTING INC
 SURREY BC.


GEOTRONICS CONSULTING INC			
INTERNATIONAL MILLENNIUM MINING CORP			
COBALT PROPERTY 2			
GILLIES LIMIT NORTH TOWNSHIP			
Larder Mining Division, Ontario			
MMI SOIL GEOCHEMISTRY SURVEY			
CONTOUR PLAN MAP			
COBALT			
Drawn by:	Job No:	NTS:	Date:
DGM	07-03	31M/5	June 07
			Fig No:
			GC-2



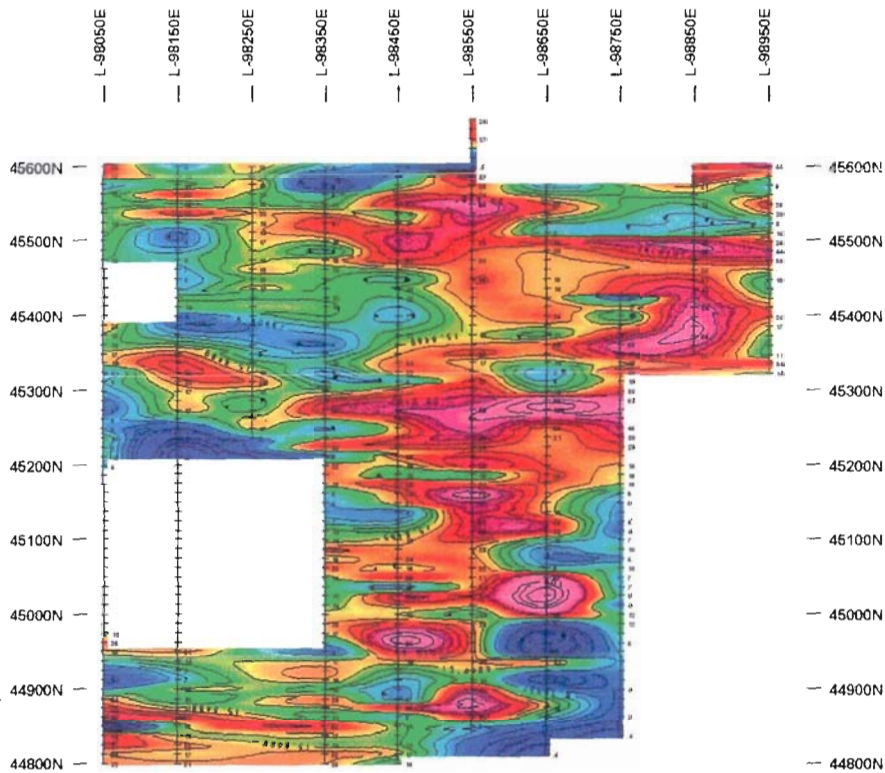
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Dates Samples Picked Up:
 May, June 2007
 Soils Tested by:
 SGS Laboratories
 Toronto, Ontario
 Contour Interval:
 log base 10



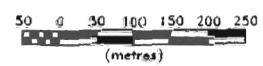
 **G**
 GEOTRONICS CONSULTING INC
 SURREY BC.

GEOTRONICS CONSULTING INC
 INTERNATIONAL MILLENNIUM MINING CORP
 COBALT PROPERTY 2
 GILLIES LIMIT NORTH TOWNSHIP
 Larder Mining Division, Ontario
MMI SOIL GEOCHEMISTRY SURVEY
 CONTOUR PLAN MAP
COPPER
 Drawn by: Job No: NTS: Date: Fig No:
 DGM 07-03 31M/6 June 07 GC-1



Declination 12

Dates Samples Picked Up:
 May, June 2007
 Soils Tested by:
 SGS Laboratories
 Toronto, Ontario
 Contour Interval:
 log Base 10



GEOTRONICS CONSULTING INC
 SURREY BC.

GEOTRONICS CONSULTING INC			
INTERNATIONAL MILLENNIUM MINING CORP			
COBALT PROPERTY 2			
GILLIES LAKE NORTH TOWNSHIP			
Larder Mining Division, Ontario			
MMI SOIL GEOCHEMISTRY SURVEY			
CONTOUR PLAN MAP			
SILVER			
Drawn by: DEM	Job No: 07-03	NTS: 31M/6	Date: June 07
			Fig No: GC-3

APPENDIX –

MMI SOIL

GEOCHEMISTRY CERTIFICATES



Certificate of Analysis

Work Order: 093561

To: **Geotronics Consulting Inc.**

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

Date: Jul 06, 2007

P.O. No. :
Project No. : DEFAULT
No. Of Samples 90
Date Submitted Jun 12, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

90 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General 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

Member of the SGS Group (Société Générale de Surveillance)

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
98700E-46400N	31	9	20	0.6	780	<1	330	6	110	154
98700E-46412.5N	47	9	20	0.4	360	<1	320	11	93	245
98700E-46425N	16	13	90	0.6	440	<1	370	8	237	142
98700E-46437.5N	25	86	10	0.1	500	<1	130	4	488	124
98700E-46450N	18	128	30	0.2	1700	1	100	7	511	52
98700E-46462.5N	58	15	10	0.7	560	<1	370	13	15	55
98700E-46475N	52	16	20	0.2	1800	<1	280	3	519	221
98700E-46487.5N	30	183	40	<0.1	690	1	60	16	79	84
98700E-46500N	39	156	20	<0.1	500	<1	70	16	50	56
98700E-46512.5N	46	48	50	0.2	780	<1	300	11	355	280
98700E-46525N	11	186	120	<0.1	560	1	40	14	409	399
98700E-46537.5N	22	24	80	0.4	870	1	210	5	1840	397
98700E-46550N	56	133	60	0.3	880	2	150	30	355	182
98700E-46562.5N	83	74	70	0.3	870	1	240	19	703	149
98700E-46575N	25	209	70	<0.1	480	2	40	12	30	268
98700E-46589.5N	10	34	10	<0.1	200	2	360	75	37	361
98700E-46600N	46	255	210	<0.1	880	6	50	30	89	355
98700E-46617.5N	61	88	200	0.6	670	2	180	28	960	126
98700E-46625N	75	258	140	<0.1	920	3	30	21	60	211
98700E-46637.5N	50	238	100	<0.1	1220	2	50	31	70	195
98700E-46650N	24	259	100	<0.1	1090	3	30	34	44	253
98700E-46662.5N	40	128	80	<0.1	680	6	160	22	117	189
98700E-46675N	46	162	130	<0.1	880	3	130	17	82	270
98700E-46700N	46	227	130	<0.1	760	3	90	18	118	186
98700E-46712.5N	18	193	60	0.3	670	2	110	15	673	116
98700E-46725N	9	30	20	<0.1	90	<1	250	110	30	291
98700E-46737.5N	75	8	50	0.3	690	<1	300	6	26	90
98700E-46750N	57	29	70	0.2	460	<1	250	5	385	57
98700E-46762.5N	83	4	20	0.6	1260	<1	340	4	85	156
98700E-46775N	15	106	70	<0.1	480	2	110	8	74	210
98700E-46787.5N	33	227	120	1.4	510	3	40	8	134	340
98700E-46800N	23	208	50	0.3	530	<1	<10	19	63	159
98700E-46812.5N	49	234	120	0.7	1820	2	60	4	2590	219
98700E-46825N	31	192	80	0.3	830	1	100	8	662	355
98700E-46837.5N	32	225	80	0.1	610	2	<10	11	122	154
98700E-46850N	222	231	50	0.4	620	1	<10	13	500	205
98700E-46862.5N	61	189	30	0.2	770	<1	20	15	451	127
98700E-46887.5N	25	73	110	0.6	810	1	100	6	2070	425
98700E-46900N	37	139	20	0.2	430	<1	<10	6	784	39
98700E-46912.5N	69	225	240	0.5	930	3	10	9	1090	216
98700E-46950N	146	24	20	0.7	1470	<1	210	2	268	433
98700E-46962.5N	20	159	20	0.1	200	<1	<10	5	65	155
98700E-46987.5N	64	148	20	0.3	220	<1	<10	8	50	168
98700E-47000N	74	159	20	0.2	240	<1	20	10	1210	35
98700E-47012.5N	31	120	150	0.1	670	4	120	6	335	336
98700E-47037.5N	41	164	50	0.2	360	1	30	11	45	164
98700E-47050N	77	34	<10	0.2	580	<1	260	3	56	177
98700E-47062.5N	201	9	90	1.0	600	<1	300	5	37	36

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Final : 093561 Order:

Page 3 of 16

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
98700E-47087.5N	76	145	30	0.3	640	<1	150	8	141	83
98700E-47100N	11	30	90	0.4	960	2	110	5	1110	295
98700E-47137.5N	21	154	40	<0.1	510	<1	90	16	49	83
98700E-47150N	17	77	180	0.2	310	3	190	59	167	585
98700E-47162.5N	22	157	60	0.1	580	1	130	19	52	139
98700E-47175N	16	200	160	<0.1	520	<1	30	12	32	141
98700E-47375N	46	144	130	0.3	1020	3	40	8	1630	435
98700E-47387.5N	39	155	670	0.3	430	9	100	12	389	317
98700E-47487.5N	62	44	20	0.8	900	<1	300	11	147	84
98700E-47500N	18	192	110	<0.1	560	2	110	5	78	129
98700E-47512.5N	33	272	700	<0.1	490	8	40	11	35	272
98700E-47525N	31	240	90	1.3	780	2	60	9	118	131
98700E-47637.5N	67	6	30	0.6	330	<1	470	20	10	65
98700E-47662.5N	18	36	40	<0.1	190	<1	310	30	95	290
98700E-47675N	147	42	30	0.3	870	<1	280	14	485	108
98700E-47687.5N	41	169	60	0.3	440	<1	40	11	2040	63
98700E-47700N	42	117	570	<0.1	390	3	190	56	54	372
98600E-46400N	40	249	120	<0.1	450	2	<10	32	26	126
98600E-46412.5N	30	117	50	0.1	250	<1	110	12	71	176
98600E-46425N	61	184	50	0.1	510	2	20	27	23	277
98600E-46437.5N	2	25	<10	<0.1	50	<1	190	13	<5	146
98600E-46450N	2	3	80	<0.1	70	<1	210	1	<5	230
98600E-46462.5N	5	18	<10	<0.1	30	<1	180	13	<5	33
98600E-46475N	3	2	30	<0.1	50	<1	250	3	<5	18
98600E-46487.5N	2	1	40	<0.1	50	<1	260	4	<5	82
98600E-46500N	14	2	40	<0.1	50	<1	240	3	<5	69
98600E-46512.5N	16	3	60	<0.1	40	<1	190	<1	<5	13
98600E-46537.5N	11	4	280	<0.1	50	<1	200	4	<5	43
98600E-46550N	11	51	20	0.2	530	<1	220	14	93	567
98600E-46562.5N	43	41	30	0.4	680	<1	200	3	558	143
98600E-46575N	59	205	50	0.2	480	<1	<10	15	123	122
98600E-46587.5N	13	183	30	<0.1	690	1	20	23	142	83
98600E-46600N	27	255	60	<0.1	510	3	<10	25	52	200
98600E-46612.5N	33	201	70	<0.1	610	1	40	19	141	82
98600E-46625N	23	174	40	0.2	570	<1	20	8	143	84
98600E-46637.5N	40	187	10	0.1	420	1	30	27	169	124
98600E-46650N	27	208	70	0.3	880	3	80	15	770	111
98600E-46662.5N	45	231	20	<0.1	360	<1	<10	35	50	296
98600E-46675N	56	124	<10	0.1	340	<1	70	4	87	49
98600E-46687.5N	58	202	20	0.1	530	<1	40	20	72	43
98600E-46700N	13	277	150	<0.1	510	4	40	32	57	239
98600E-46712.5N	14	106	30	<0.1	260	<1	170	6	106	107
*Dup 98700E-46400N	30	11	20	0.7	820	<1	340	7	138	213
*Dup 98700E-46550N	67	119	60	0.4	1000	1	200	23	450	125
*Dup 98700E-46712.5N	17	208	40	0.3	580	2	100	19	526	185
*Dup 98700E-46862.5N	56	191	30	0.3	840	<1	20	13	453	126
*Dup 98700E-47087.5N	74	140	40	0.3	660	<1	140	7	167	81
*Dup 98700E-47637.5N	70	8	30	0.7	360	<1	490	17	12	62

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Final : 093561 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
*Dup 98600E-46487.5N	<1	<1	40	<0.1	70	<1	280	3	<5	108
*Dup 98600E-46650N	27	199	70	0.3	900	3	80	14	798	99

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
98700E-46400N	<100	1880	9	3.9	7.1	7	18	51	12	80
98700E-46412.5N	<100	3090	5	2.7	2.2	6	9	29	7	69
98700E-46425N	<100	2450	11	5.9	4.3	20	18	71	<5	88
98700E-46437.5N	<100	360	9	4.2	3.8	24	13	52	<5	19
98700E-46450N	100	300	19	8.6	7.0	75	28	143	7	18
98700E-46462.5N	<100	1570	6	2.4	2.8	3	12	30	<5	54
98700E-46475N	<100	990	13	6.0	6.8	20	28	151	<5	54
98700E-46487.5N	<100	220	11	5.4	3.5	61	14	49	11	8
98700E-46500N	<100	170	7	3.5	1.8	32	7	14	8	7
98700E-46512.5N	<100	1570	11	5.9	4.8	45	21	108	<5	59
98700E-46525N	100	660	10	4.6	3.5	216	13	55	26	9
98700E-46537.5N	<100	3260	58	29.3	25.5	45	112	733	<5	62
98700E-46550N	<100	1140	59	29.9	19.4	74	85	266	6	32
98700E-46562.5N	<100	1530	39	17.9	16.9	35	70	314	5	45
98700E-46575N	100	390	7	3.7	1.7	137	6	13	23	9
98700E-46589.5N	<100	550	20	12.2	6.2	6	29	57	<5	55
98700E-46600N	300	450	11	5.5	3.4	229	12	36	46	11
98700E-46617.5N	<100	2060	97	53.9	29.0	30	127	287	<5	27
98700E-46625N	100	540	12	5.8	2.8	104	11	21	31	7
98700E-46637.5N	100	390	9	4.6	2.5	83	10	29	24	8
98700E-46650N	200	410	9	4.7	2.0	148	7	20	54	12
98700E-46662.5N	<100	370	14	6.6	5.3	86	22	90	20	28
98700E-46675N	200	320	7	3.7	2.4	125	8	28	29	18
98700E-46700N	300	350	11	5.7	3.9	180	14	53	45	14
98700E-46712.5N	100	600	62	28.4	22.5	50	92	267	16	11
98700E-46725N	<100	170	4	3.3	1.5	12	6	14	<5	51
98700E-46737.5N	<100	380	3	1.3	1.2	6	5	11	<5	64
98700E-46750N	<100	510	17	7.4	9.4	16	38	156	<5	60
98700E-46762.5N	<100	2290	7	3.2	3.1	3	14	32	<5	120
98700E-46775N	<100	940	7	3.5	2.3	255	9	37	12	37
98700E-46787.5N	200	540	9	3.8	2.9	122	11	40	22	8
98700E-46800N	<100	340	11	5.4	2.6	37	10	24	7	2
98700E-46812.5N	300	1060	208	83.9	67.6	88	275	1540	14	16
98700E-46825N	200	1210	48	18.8	15.4	75	63	281	5	14
98700E-46837.5N	100	500	11	4.6	3.4	72	12	47	<5	2
98700E-46850N	<100	930	37	13.4	10.5	39	40	125	<5	<1
98700E-46862.5N	<100	1070	40	17.1	17.1	33	57	152	13	1
98700E-46887.5N	<100	1960	143	68.1	63.3	41	262	1580	<5	72
98700E-46900N	<100	580	40	17.2	18.0	22	70	319	<5	1
98700E-46912.5N	200	1310	116	45.3	50.1	74	196	840	11	4
98700E-46950N	<100	2050	13	7.7	5.7	15	25	139	<5	70
98700E-46962.5N	<100	520	12	5.6	3.3	19	12	24	<5	1
98700E-46987.5N	<100	860	8	4.1	2.1	59	8	28	<5	1
98700E-47000N	<100	370	121	46.7	39.5	27	163	256	<5	1
98700E-47012.5N	100	1090	33	15.1	14.5	145	59	231	9	19
98700E-47037.5N	<100	750	5	2.8	1.2	99	4	14	<5	7
98700E-47050N	<100	360	2	1.0	0.9	14	3	12	<5	32
98700E-47062.5N	<100	1820	11	5.4	4.5	8	20	52	<5	91

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
98700E-47087.5N	<100	720	12	5.2	4.3	28	17	48	14	24
98700E-47100N	<100	11300	36	16.9	17.5	120	69	444	<5	18
98700E-47137.5N	<100	710	9	4.4	2.4	54	10	22	8	14
98700E-47150N	<100	2340	17	8.8	5.6	98	24	79	5	39
98700E-47162.5N	<100	780	8	4.5	2.4	62	10	25	10	23
98700E-47175N	<100	600	4	2.0	1.1	162	4	15	19	7
98700E-47375N	200	5210	94	39.5	40.3	78	162	1160	11	10
98700E-47387.5N	300	2080	19	7.8	7.0	166	27	148	18	22
98700E-47487.5N	<100	1450	37	20.2	14.6	7	64	162	<5	102
98700E-47500N	200	300	6	2.6	2.2	123	8	34	26	13
98700E-47512.5N	200	420	5	2.5	1.7	159	5	17	50	9
98700E-47525N	300	260	12	5.7	4.1	109	15	53	23	9
98700E-47637.5N	<100	2910	4	1.9	1.5	7	6	12	10	54
98700E-47662.5N	<100	1400	6	3.3	2.3	61	9	37	<5	47
98700E-47675N	<100	860	23	11.1	8.3	14	35	86	<5	41
98700E-47687.5N	100	290	47	18.3	19.0	36	74	223	8	5
98700E-47700N	<100	340	9	4.7	2.7	63	11	26	10	24
98600E-46400N	<100	490	6	4.2	1.4	127	5	13	21	5
98600E-46412.5N	<100	1360	8	4.1	2.3	188	9	29	<5	24
98600E-46425N	<100	310	7	4.5	1.4	84	5	12	13	4
98600E-46437.5N	<100	160	<1	1.2	<0.5	5	<1	<1	<5	33
98600E-46450N	<100	690	<1	<0.5	<0.5	7	<1	<1	<5	52
98600E-46462.5N	<100	2220	<1	1.0	<0.5	6	1	2	<5	36
98600E-46475N	<100	280	<1	0.5	<0.5	2	<1	<1	<5	61
98600E-46487.5N	<100	290	<1	<0.5	<0.5	4	<1	<1	<5	55
98600E-46500N	<100	330	<1	<0.5	<0.5	2	<1	<1	<5	58
98600E-46512.5N	<100	170	<1	0.7	<0.5	2	<1	<1	<5	59
98600E-46537.5N	<100	130	1	0.8	<0.5	2	<1	<1	<5	51
98600E-46550N	<100	1160	9	4.9	2.9	91	12	51	<5	47
98600E-46562.5N	<100	1500	38	18.2	17.9	75	78	462	<5	52
98600E-46575N	<100	360	16	8.2	3.7	41	14	42	9	1
98600E-46587.5N	<100	260	21	10.4	5.8	35	23	59	6	4
98600E-46600N	<100	330	13	7.9	2.5	97	10	28	23	4
98600E-46612.5N	<100	330	13	5.5	4.3	58	16	52	7	5
98600E-46625N	<100	660	11	6.1	3.2	115	12	53	12	7
98600E-46637.5N	<100	470	21	9.9	5.3	26	22	48	<5	7
98600E-46650N	200	470	31	12.5	11.1	45	42	117	18	8
98600E-46662.5N	<100	460	9	4.6	2.0	30	8	19	9	2
98600E-46675N	<100	190	13	6.6	3.7	15	14	33	<5	5
98600E-46687.5N	<100	280	9	4.6	2.5	28	10	22	<5	5
98600E-46700N	200	1210	7	4.7	1.4	259	5	19	74	13
98600E-46712.5N	<100	730	6	3.4	2.4	99	9	37	19	30
*Dup 98700E-46400N	<100	2850	11	5.1	5.2	9	22	75	11	82
*Dup 98700E-46550N	<100	1380	57	28.2	21.4	62	92	323	12	38
*Dup 98700E-46712.5N	<100	540	60	30.6	17.1	70	73	202	15	12
*Dup 98700E-46862.5N	<100	1030	39	16.1	16.9	35	55	156	13	1
*Dup 98700E-47087.5N	<100	800	13	5.8	5.1	34	21	60	16	25
*Dup 98700E-47637.5N	<100	3130	5	2.5	1.7	9	7	13	12	58

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Final : 093561 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
Dup 98600E-46487.5N	<100	310	<1	<0.5	<0.5	3	<1	<1	<5	46
Dup 98600E-46650N	200	460	31	11.9	10.8	42	39	121	16	8

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
98700E-46400N	<5	0.6	85	167	20	<1	16	63	<1	19
98700E-46412.5N	<5	<0.5	46	340	30	<1	9	49	1	7
98700E-46425N	<5	0.8	104	382	90	<1	23	14	2	13
98700E-46437.5N	<5	1.0	69	41	240	<1	16	67	1	20
98700E-46450N	<5	6.3	163	69	630	<1	39	124	2	38
98700E-46462.5N	<5	<0.5	52	93	30	<1	10	89	1	8
98700E-46475N	<5	<0.5	186	96	60	<1	42	113	1	13
98700E-46487.5N	<5	3.3	61	353	640	<1	14	129	2	28
98700E-46500N	<5	1.6	22	207	910	<1	4	150	2	19
98700E-46512.5N	<5	<0.5	123	266	120	<1	29	76	2	22
98700E-46525N	<5	4.5	66	509	260	<1	16	84	3	35
98700E-46537.5N	<5	2.3	709	179	150	<1	167	39	2	59
98700E-46550N	<5	2.0	374	389	780	<1	82	96	2	63
98700E-46562.5N	<5	1.5	379	348	520	<1	86	108	2	41
98700E-46575N	<5	3.8	19	328	690	<1	4	103	1	25
98700E-46589.5N	<5	<0.5	98	194	2170	<1	19	50	2	8
98700E-46600N	9	14.6	50	509	920	<1	11	200	5	47
98700E-46617.5N	<5	1.2	487	407	1160	<1	102	62	4	165
98700E-46625N	<5	7.7	35	539	1260	<1	7	152	5	36
98700E-46637.5N	<5	6.2	38	498	1020	<1	9	202	3	32
98700E-46650N	<5	10.3	27	511	1300	<1	6	92	3	40
98700E-46662.5N	<5	3.5	112	486	1060	<1	26	150	3	29
98700E-46675N	6	8.3	36	553	530	<1	8	134	5	33
98700E-46700N	9	14.9	64	409	540	<1	15	131	5	54
98700E-46712.5N	<5	2.8	468	309	910	<1	95	102	2	77
98700E-46725N	<5	<0.5	24	363	960	<1	5	43	1	5
98700E-46737.5N	<5	<0.5	21	168	40	<1	4	63	1	6
98700E-46750N	<5	0.5	221	177	80	<1	47	47	2	13
98700E-46762.5N	<5	<0.5	62	203	50	<1	11	31	2	5
98700E-46775N	<5	3.7	41	291	160	<1	9	114	2	29
98700E-46787.5N	7	8.1	45	312	590	1	11	173	3	37
98700E-46800N	<5	1.7	38	326	790	<1	8	113	3	29
98700E-46812.5N	<5	8.1	1370	252	1030	<1	330	115	3	282
98700E-46825N	<5	3.2	292	297	510	<1	71	136	3	77
98700E-46837.5N	<5	2.7	54	298	600	<1	13	142	4	36
98700E-46850N	<5	2.1	164	245	990	<1	39	111	3	60
98700E-46862.5N	<5	1.7	267	230	300	<1	53	147	2	44
98700E-46887.5N	<5	2.7	1560	310	390	<1	375	142	3	195
98700E-46900N	<5	1.3	413	57	660	<1	99	111	2	52
98700E-46912.5N	<5	5.4	1050	195	1020	<1	239	154	3	144
98700E-46950N	<5	<0.5	164	127	20	<1	38	62	2	21
98700E-46962.5N	<5	1.1	36	147	260	<1	8	127	2	35
98700E-46987.5N	<5	0.8	34	201	350	<1	8	118	3	30
98700E-47000N	<5	1.8	642	123	590	<1	128	134	1	101
98700E-47012.5N	6	4.6	324	279	430	<1	73	75	4	49
98700E-47037.5N	<5	1.2	17	326	870	<1	4	70	2	23
98700E-47050N	<5	0.8	16	78	100	<1	3	54	1	5
98700E-47062.5N	<5	0.9	81	270	70	<1	16	72	3	11

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
98700E-47087.5N	<5	1.6	76	270	1340	<1	15	132	1	30
98700E-47100N	5	6.1	470	119	1030	<1	113	70	13	48
98700E-47137.5N	<5	2.6	34	510	550	<1	7	102	2	22
98700E-47150N	5	1.8	113	957	810	<1	25	57	3	33
98700E-47162.5N	<5	3.4	35	755	510	<1	7	110	3	23
98700E-47175N	<5	5.3	14	455	120	<1	3	60	4	23
98700E-47375N	<5	7.1	1040	404	1200	<1	259	145	9	135
98700E-47387.5N	6	12.9	151	441	5300	<1	37	180	20	69
98700E-47487.5N	<5	<0.5	282	332	260	<1	55	105	1	30
98700E-47500N	<5	6.0	36	283	350	<1	9	219	4	27
98700E-47512.5N	6	12.1	21	351	640	<1	5	144	4	38
98700E-47525N	5	7.4	67	300	620	1	15	131	3	40
98700E-47637.5N	<5	<0.5	22	361	60	<1	4	47	1	<5
98700E-47662.5N	<5	<0.5	47	428	620	<1	10	36	2	14
98700E-47675N	<5	0.6	148	222	200	<1	31	122	2	28
98700E-47687.5N	<5	2.8	370	134	370	<1	82	88	5	50
98700E-47700N	<5	1.8	42	1100	920	<1	8	73	5	24
98600E-46400N	8	9.2	18	346	980	<1	4	163	3	33
98600E-46412.5N	5	1.7	37	220	310	<1	8	55	1	24
98600E-46425N	<5	3.2	17	368	760	<1	4	117	2	26
98600E-46437.5N	<5	<0.5	1	64	180	<1	<1	23	1	<5
98600E-46450N	6	<0.5	1	316	<10	<1	<1	9	2	<5
98600E-46462.5N	<5	<0.5	4	145	20	<1	<1	10	3	<5
98600E-46475N	<5	<0.5	2	88	20	<1	<1	<5	4	<5
98600E-46487.5N	<5	<0.5	1	140	160	<1	<1	10	2	<5
98600E-46500N	<5	<0.5	1	197	50	<1	<1	<5	2	<5
98600E-46512.5N	<5	<0.5	2	29	30	<1	<1	<5	2	<5
98600E-46537.5N	<5	<0.5	2	42	110	<1	<1	11	2	<5
98600E-46550N	<5	<0.5	63	396	80	<1	14	70	1	29
98600E-46562.5N	<5	0.8	481	93	300	<1	115	62	2	41
98600E-46575N	<5	1.9	56	193	1090	<1	13	102	2	41
98600E-46587.5N	<5	1.8	104	228	990	<1	22	95	1	29
98600E-46600N	<5	5.2	39	280	1080	<1	9	68	2	33
98600E-46612.5N	<5	3.0	68	252	520	<1	15	119	2	25
98600E-46625N	<5	2.8	60	276	450	<1	14	63	2	26
98600E-46637.5N	<5	0.9	87	269	1010	<1	18	69	1	25
98600E-46650N	<5	2.7	186	389	1000	<1	39	159	3	63
98600E-46662.5N	<5	1.7	28	418	580	<1	6	146	4	23
98600E-46675N	<5	<0.5	51	94	450	<1	11	63	<1	22
98600E-46687.5N	<5	1.2	35	184	1020	<1	7	90	1	18
98600E-46700N	9	18.6	19	444	540	<1	4	75	3	44
98600E-46712.5N	<5	3.7	44	248	470	<1	10	49	2	22
*Dup 98700E-46400N	<5	<0.5	111	213	30	<1	22	63	1	21
*Dup 98700E-46550N	<5	3.2	448	329	560	<1	99	114	2	63
*Dup 98700E-46712.5N	<5	2.1	296	336	960	<1	76	84	2	71
*Dup 98700E-46862.5N	<5	1.9	266	217	320	<1	53	144	2	45
*Dup 98700E-47087.5N	<5	2.2	96	272	1160	<1	20	129	2	33
*Dup 98700E-47637.5N	<5	<0.5	25	385	60	<1	5	61	2	5

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Final : 093561 Order:

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
*Dup 98600E-46487.5N	<5	<0.5	<1	142	120	<1	<1	11	1	<5
*Dup 98600E-46650N	<5	2.5	188	351	970	<1	40	155	3	60

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sr 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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
98700E-46400N	17	<1	490	<1	2	<10	5.7	18	<0.5	4
98700E-46412.5N	9	<1	340	<1	1	<10	3.0	16	<0.5	3
98700E-46425N	19	<1	380	<1	2	<10	13.3	32	<0.5	3
98700E-46437.5N	14	<1	100	<1	2	<10	13.4	355	<0.5	5
98700E-46450N	29	<1	250	<1	4	<10	31.1	2590	<0.5	7
98700E-46462.5N	11	<1	400	<1	1	<10	3.4	37	<0.5	4
98700E-46475N	31	<1	380	<1	3	<10	7.9	96	<0.5	10
98700E-46487.5N	13	<1	100	<1	2	<10	8.9	1550	<0.5	4
98700E-46500N	6	<1	110	<1	1	<10	6.0	692	<0.5	3
98700E-46512.5N	22	<1	330	<1	2	<10	7.9	57	<0.5	11
98700E-46525N	14	<1	100	<1	2	<10	25.8	1480	<0.5	6
98700E-46537.5N	117	<1	430	<1	13	<10	42.2	527	<0.5	7
98700E-46550N	79	<1	270	<1	11	<10	26.9	811	<0.5	10
98700E-46562.5N	72	<1	310	<1	8	<10	25.1	380	<0.5	9
98700E-46575N	5	<1	160	<1	<1	<10	7.3	1820	<0.5	2
98700E-46589.5N	24	<1	360	<1	3	<10	1.7	45	<0.5	5
98700E-46600N	12	3	100	<1	2	<10	15.7	6880	0.6	5
98700E-46617.5N	113	<1	260	<1	17	<10	47.6	377	<0.5	14
98700E-46625N	9	3	110	<1	2	<10	10.2	3290	<0.5	3
98700E-46637.5N	9	1	100	<1	2	<10	14.2	2710	<0.5	4
98700E-46650N	7	2	130	<1	1	<10	11.7	4300	<0.5	4
98700E-46662.5N	22	<1	190	<1	3	<10	11.8	1330	<0.5	4
98700E-46675N	8	2	220	<1	1	<10	11.6	4090	<0.5	4
98700E-46700N	14	4	100	<1	2	<10	14.9	7570	0.5	6
98700E-46712.5N	95	<1	180	<1	11	<10	54.3	934	0.6	12
98700E-46725N	5	<1	220	<1	<1	<10	0.8	30	<0.5	6
98700E-46737.5N	5	<1	300	<1	<1	<10	3.2	44	<0.5	7
98700E-46750N	41	<1	250	<1	4	<10	11.5	142	<0.5	7
98700E-46762.5N	14	<1	470	<1	1	<10	1.3	14	<0.5	4
98700E-46775N	8	<1	170	<1	1	<10	8.7	1600	<0.5	3
98700E-46787.5N	11	1	90	<1	2	<10	24.4	4400	<0.5	7
98700E-46800N	9	<1	30	<1	2	<10	9.4	758	<0.5	4
98700E-46812.5N	278	<1	230	<1	40	<10	115	3490	0.7	28
98700E-46825N	62	<1	190	<1	9	<10	47.8	1560	0.5	13
98700E-46837.5N	12	<1	40	<1	2	<10	25.6	1070	<0.5	5
98700E-46850N	40	<1	<10	<1	7	<10	44.1	807	<0.5	12
98700E-46862.5N	55	<1	40	<1	7	<10	20.1	487	<0.5	5
98700E-46887.5N	280	<1	270	<1	30	<10	66.6	722	<0.5	18
98700E-46900N	74	<1	20	<1	8	<10	16.2	681	<0.5	7
98700E-46912.5N	211	1	50	<1	24	<10	62.9	2560	<0.5	18
98700E-46950N	27	<1	580	<1	3	<10	3.1	10	<0.5	14
98700E-46962.5N	10	<1	10	<1	2	<10	9.9	504	<0.5	7
98700E-46987.5N	8	<1	10	<1	1	<10	9.5	377	<0.5	9
98700E-47000N	158	<1	20	<1	23	<10	23.9	924	<0.5	16
98700E-47012.5N	61	<1	160	<1	7	<10	30.9	1970	0.5	12
98700E-47037.5N	4	<1	70	<1	<1	<10	7.3	541	<0.5	2
98700E-47050N	3	<1	280	<1	<1	<10	2.7	39	<0.5	2
98700E-47062.5N	18	<1	320	<1	2	<10	6.8	132	<0.5	1

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
98700E-47087.5N	16	<1	190	<1	2	<10	13.7	657	<0.5	2
98700E-47100N	79	14	160	<1	8	<10	40.7	1570	<0.5	10
98700E-47137.5N	8	<1	110	<1	1	<10	6.6	1340	<0.5	3
98700E-47150N	24	2	190	<1	3	<10	20.2	544	<0.5	4
98700E-47162.5N	8	<1	180	<1	1	<10	9.9	1620	<0.5	3
98700E-47175N	3	1	70	<1	<1	<10	8.1	2350	<0.5	3
98700E-47375N	178	14	100	<1	20	<10	104	2180	0.6	19
98700E-47387.5N	29	14	170	<1	4	<10	98.6	3120	<0.5	12
98700E-47487.5N	60	<1	460	<1	7	<10	15.9	42	<0.5	6
98700E-47500N	8	1	150	<1	1	<10	13.5	3010	<0.5	5
98700E-47512.5N	5	3	80	<1	<1	<10	10.6	5460	<0.5	3
98700E-47525N	15	1	150	<1	2	<10	20.2	3560	<0.5	5
98700E-47637.5N	5	<1	390	<1	<1	<10	2.0	26	<0.5	6
98700E-47662.5N	9	<1	200	<1	1	<10	3.6	92	<0.5	7
98700E-47675N	34	<1	240	<1	4	<10	21.7	195	<0.5	8
98700E-47687.5N	81	<1	60	<1	10	<10	31.6	1340	<0.5	7
98700E-47700N	10	<1	140	<1	1	<10	8.1	824	<0.5	4
98600E-46400N	4	2	50	<1	<1	<10	8.0	4490	0.5	4
98600E-46412.5N	8	<1	200	<1	1	<10	6.3	819	<0.5	3
98600E-46425N	4	<1	120	<1	<1	<10	4.7	1540	<0.5	3
98600E-46437.5N	<1	<1	220	<1	<1	<10	<0.5	12	<0.5	<1
98600E-46450N	<1	<1	160	<1	<1	<10	<0.5	5	<0.5	8
98600E-46462.5N	<1	<1	160	<1	<1	<10	<0.5	3	<0.5	10
98600E-46475N	<1	<1	180	<1	<1	<10	<0.5	7	<0.5	3
98600E-46487.5N	<1	<1	190	<1	<1	<10	<0.5	6	<0.5	<1
98600E-46500N	<1	<1	200	<1	<1	<10	<0.5	9	<0.5	<1
98600E-46512.5N	<1	<1	190	<1	<1	<10	<0.5	8	<0.5	<1
98600E-46537.5N	<1	<1	230	<1	<1	<10	<0.5	8	<0.5	<1
98600E-46550N	12	<1	310	<1	2	<10	3.8	59	<0.5	32
98600E-46562.5N	79	<1	210	<1	8	<10	14.4	312	<0.5	17
98600E-46575N	13	<1	10	<1	2	<10	14.7	771	<0.5	5
98600E-46587.5N	22	<1	80	<1	4	<10	13.0	649	<0.5	6
98600E-46600N	9	<1	40	<1	2	<10	12.3	2110	<0.5	5
98600E-46612.5N	15	<1	130	<1	2	<10	11.2	1120	<0.5	4
98600E-46625N	12	<1	80	<1	2	<10	14.4	1110	<0.5	7
98600E-46637.5N	19	<1	120	<1	3	<10	8.2	358	<0.5	4
98600E-46650N	45	<1	170	<1	6	<10	64.7	821	0.5	10
98600E-46662.5N	7	2	40	<1	1	<10	9.5	789	<0.5	4
98600E-46675N	13	<1	170	<1	2	<10	8.9	94	<0.5	4
98600E-46687.5N	8	<1	130	<1	2	<10	9.2	482	<0.5	3
98600E-46700N	4	5	140	1	<1	<10	11.9	8760	0.6	5
98600E-46712.5N	9	<1	130	<1	1	<10	5.9	1610	<0.5	7
*Dup 98700E-46400N	21	<1	510	<1	2	<10	8.9	20	<0.5	5
*Dup 98700E-46550N	91	<1	320	<1	11	<10	25.0	1020	<0.5	11
*Dup 98700E-46712.5N	67	<1	240	<1	9	<10	42.9	733	<0.5	10
*Dup 98700E-46862.5N	54	<1	40	<1	7	<10	20.9	549	<0.5	5
*Dup 98700E-47087.5N	20	<1	180	<1	2	<10	15.6	904	<0.5	3
*Dup 98700E-47637.5N	6	<1	390	<1	<1	<10	3.1	35	<0.5	6

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Final : 093561 Order:

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Dup 98600E-46487.5N	<1	<1	190	<1	<1	<10	<0.5	6	<0.5	<1
Dup 98600E-46650N	43	<1	170	<1	6	<10	61.1	752	0.6	9

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Final : 093561 Order:

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
98700E-46400N	3	50	3	130	10
98700E-46412.5N	<1	31	2	40	9
98700E-46425N	<1	63	5	170	20
98700E-46437.5N	<1	35	3	50	29
98700E-46450N	<1	90	7	110	67
98700E-46462.5N	<1	30	2	250	15
98700E-46475N	<1	73	4	40	21
98700E-46487.5N	<1	55	4	330	34
98700E-46500N	<1	31	3	160	24
98700E-46512.5N	<1	71	5	120	23
98700E-46525N	<1	38	4	330	59
98700E-46537.5N	<1	342	23	100	75
98700E-46550N	<1	341	21	310	46
98700E-46562.5N	<1	219	14	450	48
98700E-46575N	<1	32	3	160	28
98700E-46589.5N	<1	132	9	940	11
98700E-46600N	1	50	5	530	71
98700E-46617.5N	<1	511	40	450	69
98700E-46625N	<1	56	5	180	46
98700E-46637.5N	<1	43	3	700	53
98700E-46650N	<1	43	4	620	56
98700E-46662.5N	<1	70	5	210	39
98700E-46675N	<1	32	3	550	56
98700E-46700N	1	55	5	520	82
98700E-46712.5N	<1	280	20	390	67
98700E-46725N	<1	25	3	3110	<5
98700E-46737.5N	<1	16	<1	130	11
98700E-46750N	<1	91	5	40	25
98700E-46762.5N	<1	43	2	40	13
98700E-46775N	<1	35	3	220	42
98700E-46787.5N	<1	34	3	350	76
98700E-46800N	<1	50	4	230	35
98700E-46812.5N	1	851	56	140	246
98700E-46825N	<1	179	12	300	99
98700E-46837.5N	<1	42	3	370	65
98700E-46850N	<1	108	9	290	85
98700E-46862.5N	<1	166	11	1000	44
98700E-46887.5N	<1	799	52	180	151
98700E-46900N	<1	200	12	160	38
98700E-46912.5N	<1	438	31	480	151
98700E-46950N	<1	73	7	50	11
98700E-46962.5N	<1	46	4	170	32
98700E-46987.5N	<1	36	3	520	27
98700E-47000N	<1	419	29	280	42
98700E-47012.5N	<1	148	11	90	66
98700E-47037.5N	<1	21	2	190	24
98700E-47050N	2	10	<1	<20	10
98700E-47062.5N	<1	68	4	70	27

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
98700E-47087.5N	<1	52	4	180	28
98700E-47100N	2	176	14	70	92
98700E-47137.5N	<1	45	4	280	26
98700E-47150N	<1	86	7	2980	48
98700E-47162.5N	<1	44	4	890	36
98700E-47175N	<1	17	2	440	42
98700E-47375N	1	401	29	330	202
98700E-47387.5N	2	62	6	380	190
98700E-47487.5N	<1	204	16	360	34
98700E-47500N	<1	22	2	110	53
98700E-47512.5N	<1	22	2	240	64
98700E-47525N	<1	55	4	200	68
98700E-47637.5N	<1	25	2	170	14
98700E-47662.5N	<1	36	3	140	17
98700E-47675N	<1	118	8	110	30
98700E-47687.5N	<1	164	13	190	70
98700E-47700N	<1	46	3	2330	29
98600E-46400N	<1	34	4	880	46
98600E-46412.5N	<1	39	3	170	27
98600E-46425N	<1	37	4	270	30
98600E-46437.5N	<1	5	1	730	<5
98600E-46450N	<1	<5	<1	150	<5
98600E-46462.5N	<1	6	1	180	<5
98600E-46475N	<1	<5	<1	310	8
98600E-46487.5N	<1	<5	<1	480	11
98600E-46500N	<1	<5	<1	540	10
98600E-46512.5N	<1	6	<1	190	9
98600E-46537.5N	<1	6	<1	490	9
98600E-46550N	<1	49	4	350	16
98600E-46562.5N	<1	239	14	110	32
98600E-46575N	<1	74	6	100	41
98600E-46587.5N	<1	107	8	210	34
98600E-46600N	<1	66	6	280	44
98600E-46612.5N	<1	57	4	210	37
98600E-46625N	<1	49	5	120	37
98600E-46637.5N	<1	99	6	210	22
98600E-46650N	<1	91	9	270	79
98600E-46662.5N	<1	38	3	230	32
98600E-46675N	<1	60	5	40	19
98600E-46687.5N	<1	43	3	50	27
98600E-46700N	2	32	4	1360	87
98600E-46712.5N	<1	32	3	210	31
*Dup 98700E-46400N	<1	63	4	140	16
*Dup 98700E-46550N	<1	322	20	210	55
*Dup 98700E-46712.5N	<1	288	23	260	52
*Dup 98700E-46862.5N	<1	154	11	970	46
*Dup 98700E-47087.5N	<1	60	4	150	33
*Dup 98700E-47637.5N	<1	30	2	130	17

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Final : 093561 Order:

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
*Dup 98600E-46487.5N	<1	<5	<1	450	<5
*Dup 98600E-46650N	<1	85	9	190	75

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Certificate of Analysis

Work Order: 093662

To: **Geotronics Consulting Inc.**

Date: Jul 09, 2007

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

P.O. No. :
Project No. : DEFAULT
No. Of Samples 77
Date Submitted Jun 22, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

77 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98450E-45475N	31	95	<10	0.3	370	<1	<10	4	341	20
L98450E-45450N	9	198	30	<0.1	470	1	<10	23	73	118
L98450E-45437.5N	13	184	20	<0.1	180	<1	<10	18	105	98
L98450E-45425N	10	169	20	<0.1	300	1	10	15	138	102
L98450E-45600N	4	42	<10	<0.1	90	<1	220	17	78	170
L98450E-45550N	41	118	40	0.2	340	1	<10	19	71	113
L98450E-45400N	7	176	10	<0.1	160	<1	<10	7	164	121
L98450E-45375N	12	158	<10	0.1	150	<1	<10	12	184	124
L98450E-45337.5N	24	155	10	<0.1	480	<1	50	8	119	77
L98450E-45325N	22	167	<10	<0.1	320	<1	30	11	63	64
L98450E-45312.5N	6	174	10	<0.1	190	2	30	17	27	123
L98450E-45287.5N	5	98	<10	0.1	500	<1	20	6	159	39
L98450E-45237.5N	21	112	20	0.2	470	<1	40	4	737	176
L98450E-45200N	24	140	10	<0.1	450	<1	50	6	76	50
L98450E-45187.5N	36	85	10	<0.1	810	<1	60	4	103	14
L98450E-45175N	10	191	20	<0.1	580	<1	50	6	98	101
L98450E-45150N	16	198	20	0.2	760	1	20	18	197	71
L98450E-45125N	25	182	30	<0.1	630	1	60	24	81	78
L98450E-45100N	18	153	10	<0.1	390	<1	40	8	103	41
L98450E-45062.5N	16	176	20	<0.1	510	1	40	24	71	165
L98450E-45050N	38	135	10	0.1	450	<1	50	11	304	28
L98450E-45037.5N	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.
L98450E-45025N	38	120	<10	<0.1	690	<1	70	10	192	40
L98450E-45000N	16	188	20	<0.1	550	1	40	40	204	55
L98450E-44962.5N	85	11	20	1.3	960	<1	370	10	239	145
L98450E-44937.5N	19	182	30	<0.1	630	<1	30	17	135	108
L98450E-44875N	37	181	30	<0.1	840	1	60	9	133	57
L98450E-44862.5N	8	198	30	<0.1	500	4	30	38	35	115
L98450E-44850N	14	170	10	<0.1	200	<1	30	7	65	51
L98450E-44825N	13	13	<10	0.2	670	<1	320	9	122	97
L98450E-44812.5N	17	10	<10	0.2	830	<1	390	8	50	56
L98450E-44800N	10	10	<10	0.1	950	<1	380	4	108	54
L98350E-45600N	8	189	40	<0.1	540	3	40	48	57	51
L98350E-45575N	1	40	50	0.1	160	<1	230	6	40	396
L98350E-45562.5N	9	109	60	<0.1	580	<1	70	15	83	215
L98350E-45550N	11	206	20	<0.1	310	1	20	31	42	49
L98350E-45525N	31	166	30	<0.1	580	1	70	19	63	143
L98350E-45500N	16	88	10	<0.1	1340	<1	170	27	356	38
L98350E-45487.5N	9	116	30	0.1	620	<1	90	9	280	148
L98350E-45475N	18	151	30	<0.1	460	<1	100	9	109	58
L98350E-45462.5N	14	36	<10	0.2	1200	<1	240	4	176	88
L98350E-45425N	12	174	10	<0.1	230	<1	<10	14	30	151
L98350E-45412.5N	14	195	10	<0.1	230	2	20	31	21	99
L98350E-45362.5N	5	102	160	<0.1	520	2	40	6	45	88
L98350E-45337.5N	10	164	20	<0.1	900	<1	20	12	39	215
L98350E-45325N	6	197	10	0.4	710	<1	10	10	97	113
L98350E-45275N	38	208	20	0.1	530	2	20	17	45	85
L98350E-45250N	6	204	20	<0.1	420	5	20	21	21	249

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98350E-45225N	32	149	40	<0.1	770	<1	370	32	182	35
L98350E-45212.5N	5	186	20	<0.1	640	2	50	18	41	138
L98350E-45200N	22	170	20	<0.1	520	1	20	12	68	55
L98350E-45175N	18	198	30	<0.1	630	3	50	23	35	70
L98350E-45162.5N	8	180	20	<0.1	730	1	50	8	58	59
L98350E-45150N	6	174	30	<0.1	660	3	90	22	43	71
L98350E-45125N	7	159	30	<0.1	660	4	70	30	57	169
L98350E-45112.5N	14	158	20	<0.1	750	1	90	16	70	62
L98350E-45100N	14	187	40	<0.1	540	2	40	12	66	112
L98350E-45087.5N	27	180	20	<0.1	370	2	60	12	58	58
L98350E-45075N	16	183	20	0.2	360	1	20	12	35	47
L98350E-45062.5N	26	184	20	0.6	660	<1	20	5	201	52
L98350E-45050N	14	209	30	<0.1	550	1	20	10	36	85
L98350E-45025N	10	188	20	<0.1	480	2	20	14	44	58
L98350E-45012.5N	14	202	20	<0.1	490	<1	20	11	55	65
L98350E-44987.5N	20	213	20	<0.1	900	1	30	10	69	37
L98350E-44975N	17	150	<10	<0.1	430	<1	60	9	49	38
L98350E-44950N	4	185	30	<0.1	620	2	70	13	47	62
L98350E-44937.5N	17	160	10	<0.1	570	<1	30	10	67	44
L98350E-44912.5N	19	140	10	<0.1	830	<1	50	10	109	42
L98350E-44900N	10	182	20	<0.1	830	<1	40	11	37	42
L98350E-44875N	23	173	<10	<0.1	540	<1	50	13	76	42
L98350E-44862.5N	11	174	10	<0.1	430	<1	50	10	28	77
L98350E-44850N	36	37	<10	<0.1	930	<1	190	6	6	12
L98350E-44837.5N	17	170	<10	<0.1	440	<1	20	13	44	57
L98350E-44825N	14	64	<10	<0.1	560	<1	120	4	26	11
L98350E-44812.5N	22	93	10	<0.1	460	<1	130	9	19	26
L98350E-44800N	20	159	10	<0.1	360	<1	20	8	156	36
L98450E-44850N-A	10	167	20	<0.1	470	2	40	22	129	81
*Dup L98450E-45475N	34	107	<10	0.1	310	<1	<10	4	258	29
*Dup L98450E-45237.5N	22	127	20	0.2	450	<1	30	4	650	195
*Dup L98450E-44962.5N	67	9	20	1.3	960	<1	360	11	246	142
*Dup L98350E-45525N	41	174	30	<0.1	560	1	60	18	83	90
*Dup L98350E-45225N	30	143	60	<0.1	830	<1	350	35	182	38
*Dup L98350E-45050N	15	205	40	<0.1	530	1	30	8	44	71
*Dup L98350E-44837.5N	20	181	10	<0.1	420	<1	20	11	49	64
Std MMISRM14	19	46	10	43.4	80	<1	210	8	26	52
Std MMISRM14	17	26	20	37.5	60	<1	200	7	13	40
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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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
L98450E-45475N	<100	220	27	12.1	12.4	9	48	220	<5	<1
L98450E-45450N	<100	280	9	4.9	2.2	46	8	18	6	2
L98450E-45437.5N	<100	300	15	6.4	3.5	20	13	26	<5	<1
L98450E-45425N	<100	320	15	6.4	4.4	19	17	38	<5	1
L98450E-45600N	<100	1680	6	3.8	2.2	5	9	37	<5	40
L98450E-45550N	<100	540	11	6.5	2.7	37	10	23	<5	1
L98450E-45400N	<100	630	14	5.6	4.6	17	17	48	<5	<1
L98450E-45375N	<100	350	19	7.1	5.7	12	21	42	<5	<1
L98450E-45337.5N	<100	290	9	3.8	3.2	21	12	71	<5	3
L98450E-45325N	<100	180	8	3.6	2.4	19	8	27	<5	3
L98450E-45312.5N	<100	250	6	3.4	1.1	96	4	6	6	6
L98450E-45287.5N	<100	550	17	8.7	4.6	4	18	45	<5	5
L98450E-45237.5N	<100	870	44	17.1	21.0	21	81	332	<5	3
L98450E-45200N	<100	190	9	4.0	3.1	16	12	51	<5	5
L98450E-45187.5N	<100	290	8	3.7	3.4	11	12	76	<5	3
L98450E-45175N	<100	310	12	5.3	3.5	28	14	54	6	4
L98450E-45150N	<100	570	13	5.0	4.3	21	17	68	<5	2
L98450E-45125N	<100	440	7	2.9	2.0	36	9	32	<5	9
L98450E-45100N	<100	120	9	4.8	3.5	31	13	54	9	3
L98450E-45062.5N	<100	290	9	4.8	2.4	51	10	26	15	10
L98450E-45050N	<100	390	48	20.9	21.3	21	88	288	5	5
L98450E-45037.5N	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.
L98450E-45025N	<100	160	21	10.6	7.2	16	27	84	9	7
L98450E-45000N	<100	460	25	11.7	6.4	31	27	50	6	8
L98450E-44962.5N	<100	19000	286	140	133	4	600	1270	6	102
L98450E-44937.5N	<100	260	11	5.1	3.7	35	14	50	6	3
L98450E-44875N	<100	310	9	3.7	3.0	43	11	41	16	8
L98450E-44862.5N	<100	280	9	4.9	1.7	72	7	14	14	9
L98450E-44850N	<100	240	8	3.6	2.9	29	10	27	6	3
L98450E-44825N	<100	570	4	1.8	2.0	12	8	23	<5	76
L98450E-44812.5N	<100	470	7	3.4	2.7	4	12	22	<5	91
L98450E-44800N	<100	320	6	2.9	2.5	9	11	26	<5	91
L98350E-45600N	<100	510	9	4.4	1.7	44	8	14	10	7
L98350E-45575N	<100	820	2	1.2	0.9	3	4	14	<5	43
L98350E-45562.5N	<100	690	10	5.6	2.9	176	11	40	8	18
L98350E-45550N	<100	320	9	4.6	2.4	37	9	15	<5	3
L98350E-45525N	<100	290	7	3.2	2.3	54	9	30	6	6
L98350E-45500N	<100	360	29	15.0	9.2	13	40	103	<5	33
L98350E-45487.5N	<100	480	15	7.5	4.5	48	19	52	<5	12
L98350E-45475N	<100	180	11	5.7	3.3	31	14	29	5	11
L98350E-45462.5N	<100	1610	16	7.5	8.1	19	34	146	<5	61
L98350E-45425N	<100	290	6	2.9	1.3	32	5	11	<5	1
L98350E-45412.5N	<100	220	6	3.4	1.2	74	4	8	<5	3
L98350E-45362.5N	<100	680	3	1.8	1.0	292	3	17	11	9
L98350E-45337.5N	<100	470	4	2.7	0.9	101	3	15	7	6
L98350E-45325N	<100	240	10	4.8	2.8	29	11	24	<5	2
L98350E-45275N	<100	380	8	4.4	2.2	51	9	28	18	5
L98350E-45250N	<100	350	7	5.5	1.2	67	5	10	15	6

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98350E-45225N	100	380	17	7.8	6.0	42	26	82	10	98
L98350E-45212.5N	<100	350	9	4.5	2.1	40	8	15	6	5
L98350E-45200N	<100	250	9	4.6	3.1	28	11	46	7	3
L98350E-45175N	<100	450	7	3.2	1.8	52	7	17	8	6
L98350E-45162.5N	<100	220	9	4.5	2.5	44	10	31	9	5
L98350E-45150N	<100	240	7	3.8	2.3	51	8	28	7	6
L98350E-45125N	200	310	9	4.4	2.6	77	10	37	7	10
L98350E-45112.5N	<100	220	8	3.8	2.4	41	10	33	7	7
L98350E-45100N	<100	320	8	4.5	2.9	75	11	39	12	6
L98350E-45087.5N	<100	170	8	3.8	2.8	53	10	32	8	5
L98350E-45075N	<100	180	8	4.4	1.9	45	7	13	6	3
L98350E-45062.5N	<100	240	10	5.2	3.1	40	13	43	6	3
L98350E-45050N	100	220	7	4.0	1.9	102	7	15	15	5
L98350E-45025N	<100	260	9	5.2	2.6	49	10	23	7	4
L98350E-45012.5N	<100	320	12	6.5	3.0	51	12	28	10	4
L98350E-44987.5N	<100	200	8	3.7	2.5	29	9	38	7	3
L98350E-44975N	<100	170	8	4.0	2.6	23	10	24	5	9
L98350E-44950N	<100	140	8	4.5	2.2	73	8	20	8	9
L98350E-44937.5N	<100	170	13	7.1	3.6	36	14	32	<5	2
L98350E-44912.5N	<100	130	9	4.2	3.3	24	12	49	<5	5
L98350E-44900N	<100	260	6	3.0	1.7	38	7	19	7	4
L98350E-44875N	<100	220	12	5.9	3.0	22	12	22	<5	6
L98350E-44862.5N	<100	200	6	3.2	1.7	33	6	9	<5	10
L98350E-44850N	<100	150	1	0.6	0.7	4	2	4	<5	45
L98350E-44837.5N	<100	150	10	5.1	2.3	25	9	19	5	4
L98350E-44825N	<100	80	5	2.7	1.8	23	7	23	<5	35
L98350E-44812.5N	<100	160	5	2.8	1.9	11	7	19	<5	19
L98350E-44800N	<100	160	16	8.3	4.9	18	19	50	<5	2
L98450E-44850N-A	<100	300	18	9.3	3.8	33	16	21	<5	9
*Dup L98450E-45475N	<100	310	29	14.5	11.7	10	44	152	<5	<1
*Dup L98450E-45237.5N	<100	920	43	17.9	19.9	19	78	295	<5	3
*Dup L98450E-44962.5N	<100	17800	260	124	126	4	555	1240	6	100
*Dup L98350E-45525N	<100	290	9	4.4	3.6	44	14	40	9	6
*Dup L98350E-45225N	100	390	16	7.5	6.0	45	25	96	12	99
*Dup L98350E-45050N	100	200	6	3.6	2.2	103	7	22	20	6
*Dup L98350E-44837.5N	<100	150	9	4.5	2.4	29	9	23	7	4
*Std MMISRM14	<100	710	3	1.1	1.1	5	4	5	<5	33
*Std MMISRM14	<100	710	2	0.8	0.9	2	3	2	<5	31
*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

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98450E-45475N	<5	1.6	301	34	350	<1	66	93	<1	31
L98450E-45450N	<5	3.2	27	335	460	<1	5	163	1	29
L98450E-45437.5N	<5	1.2	43	238	410	<1	9	119	1	24
L98450E-45425N	<5	0.8	67	178	600	<1	14	101	1	24
L98450E-45600N	<5	<0.5	50	302	20	<1	11	42	<1	5
L98450E-45550N	<5	1.4	36	268	600	<1	7	110	2	26
L98450E-45400N	<5	0.7	69	113	270	<1	15	92	1	23
L98450E-45375N	<5	<0.5	84	294	200	<1	17	77	<1	26
L98450E-45337.5N	<5	1.2	60	184	330	<1	14	110	1	15
L98450E-45325N	<5	0.6	34	190	480	<1	7	111	1	13
L98450E-45312.5N	<5	1.6	11	126	570	<1	2	142	<1	12
L98450E-45287.5N	<5	<0.5	70	86	100	<1	15	107	<1	25
L98450E-45237.5N	<5	1.0	476	85	130	<1	106	88	1	33
L98450E-45200N	<5	0.7	54	377	310	<1	12	77	1	15
L98450E-45187.5N	<5	0.6	65	55	470	<1	15	93	<1	16
L98450E-45175N	<5	1.1	61	237	510	<1	13	174	1	23
L98450E-45150N	<5	1.3	79	174	550	<1	17	116	1	20
L98450E-45125N	<5	0.7	40	499	640	<1	8	164	3	13
L98450E-45100N	<5	4.5	61	137	180	<1	13	79	2	24
L98450E-45062.5N	<5	3.4	37	339	310	<1	8	116	1	24
L98450E-45050N	<5	1.6	470	113	490	<1	95	110	1	39
L98450E-45037.5N	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.
L98450E-45025N	<5	3.6	123	106	530	<1	25	105	<1	42
L98450E-45000N	<5	1.9	98	291	1100	<1	19	195	<1	33
L98450E-44962.5N	10	<0.5	2260	397	20	<1	402	61	<1	36
L98450E-44937.5N	<5	1.5	63	192	760	<1	13	122	<1	20
L98450E-44875N	<5	3.9	49	178	720	<1	11	92	1	24
L98450E-44862.5N	<5	3.1	22	213	1460	<1	5	144	2	21
L98450E-44850N	<5	2.4	43	130	260	<1	9	58	<1	15
L98450E-44825N	<5	<0.5	41	152	110	<1	8	47	<1	<5
L98450E-44812.5N	<5	<0.5	44	125	20	<1	8	22	<1	<5
L98450E-44800N	<5	<0.5	50	89	40	<1	10	53	<1	5
L98350E-45600N	<5	1.8	21	455	580	<1	4	169	2	21
L98350E-45575N	9	<0.5	19	470	40	<1	4	95	<1	<5
L98350E-45562.5N	<5	1.5	54	376	230	<1	12	66	1	22
L98350E-45550N	<5	1.2	29	329	670	<1	6	211	2	15
L98350E-45525N	<5	2.2	36	296	380	<1	8	117	1	18
L98350E-45500N	<5	<0.5	169	206	270	<1	34	112	<1	37
L98350E-45487.5N	<5	<0.5	83	270	280	<1	17	105	1	25
L98350E-45475N	<5	1.7	49	179	580	<1	10	130	<1	20
L98350E-45462.5N	<5	<0.5	205	85	80	<1	43	72	<1	12
L98350E-45425N	<5	1.2	14	160	380	<1	3	84	1	15
L98350E-45412.5N	<5	1.9	13	161	730	<1	3	70	<1	18
L98350E-45362.5N	<5	4.4	17	441	70	<1	4	115	2	16
L98350E-45337.5N	<5	1.6	12	330	290	<1	3	152	2	17
L98350E-45325N	<5	1.4	45	186	380	<1	9	80	2	19
L98350E-45275N	<5	5.1	35	529	730	<1	7	92	2	26
L98350E-45250N	<5	2.0	14	251	880	<1	3	94	<1	24

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Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98350E-45225N	<5	2.8	119	537	220	<1	23	179	3	29
L98350E-45212.5N	<5	1.5	25	302	860	<1	5	127	<1	19
L98350E-45200N	<5	2.7	52	338	680	<1	11	87	2	19
L98350E-45175N	<5	2.6	23	386	3090	<1	5	276	2	15
L98350E-45162.5N	<5	2.7	38	232	370	<1	8	107	1	23
L98350E-45150N	<5	4.3	32	211	690	<1	7	94	2	21
L98350E-45125N	<5	3.3	43	229	990	<1	9	85	2	29
L98350E-45112.5N	<5	2.2	39	359	380	<1	8	187	1	20
L98350E-45100N	<5	5.4	50	313	460	<1	10	87	2	27
L98350E-45087.5N	<5	4.6	40	220	570	<1	8	102	1	22
L98350E-45075N	<5	2.2	23	246	460	<1	5	141	<1	22
L98350E-45062.5N	<5	3.2	53	134	440	<1	11	188	2	24
L98350E-45050N	<5	6.4	24	412	310	<1	5	106	2	32
L98350E-45025N	<5	3.7	38	261	410	<1	7	113	1	23
L98350E-45012.5N	<5	3.8	44	324	360	<1	9	138	1	28
L98350E-44987.5N	<5	2.6	41	290	280	<1	9	103	1	17
L98350E-44975N	<5	2.2	37	153	290	<1	7	107	<1	14
L98350E-44950N	<5	3.5	29	335	430	<1	6	124	2	26
L98350E-44937.5N	<5	2.0	49	153	440	<1	10	150	1	26
L98350E-44912.5N	<5	1.4	57	172	280	<1	12	141	2	19
L98350E-44900N	<5	2.2	25	289	190	<1	5	132	2	16
L98350E-44875N	<5	0.8	38	223	350	<1	8	128	1	17
L98350E-44862.5N	<5	1.0	18	189	260	<1	4	118	<1	12
L98350E-44850N	<5	<0.5	7	59	60	<1	1	87	<1	<5
L98350E-44837.5N	<5	0.9	32	219	340	<1	6	118	<1	17
L98350E-44825N	<5	2.6	33	86	70	<1	7	131	<1	9
L98350E-44812.5N	<5	0.8	28	118	170	<1	5	127	<1	11
L98350E-44800N	<5	0.9	77	161	360	<1	16	112	1	30
L98450E-44850N-A	<5	1.1	51	197	940	<1	10	101	1	26
*Dup L98450E-45475N	<5	0.6	250	35	410	<1	52	99	<1	34
*Dup L98450E-45237.5N	<5	1.3	442	97	140	<1	97	91	1	36
*Dup L98450E-44962.5N	9	<0.5	2200	399	30	<1	393	71	<1	34
Dup L98350E-45525N	<5	2.6	53	256	440	<1	11	118	1	19
Dup L98350E-45225N	<5	2.1	126	538	260	<1	26	173	3	28
*Dup L98350E-45050N	<5	7.2	30	390	260	<1	6	98	2	33
Dup L98350E-44837.5N	<5	1.4	34	230	280	<1	7	110	1	17
Std MMISRM14	30	<0.5	14	278	120	46	3	272	1	8
Std MMISRM14	28	<0.5	11	228	130	39	2	254	<1	5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sr 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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98450E-45475N	52	<1	10	1	5	<10	13.9	216	<0.5	9
L98450E-45450N	7	<1	40	<1	1	<10	21.4	1290	<0.5	6
L98450E-45437.5N	11	<1	<10	<1	2	<10	9.9	337	<0.5	5
L98450E-45425N	16	<1	30	<1	2	<10	17.4	243	<0.5	6
L98450E-45600N	9	<1	270	<1	<1	<10	1.3	4	0.7	32
L98450E-45550N	9	<1	<10	<1	2	<10	15.3	478	<0.5	6
L98450E-45400N	16	<1	<10	<1	2	<10	17.8	236	<0.5	8
L98450E-45375N	20	<1	10	<1	3	<10	15.1	150	<0.5	8
L98450E-45337.5N	11	<1	80	<1	2	<10	10.3	572	<0.5	3
L98450E-45325N	7	<1	70	<1	1	<10	7.4	218	<0.5	3
L98450E-45312.5N	3	<1	110	<1	<1	<10	7.4	464	<0.5	2
L98450E-45287.5N	17	<1	50	<1	3	<10	20.4	44	0.9	15
L98450E-45237.5N	92	<1	50	<1	9	<10	26.3	379	<0.5	15
L98450E-45200N	11	<1	60	<1	1	<10	8.4	284	<0.5	4
L98450E-45187.5N	12	<1	130	<1	1	<10	7.8	285	<0.5	5
L98450E-45175N	13	<1	100	<1	2	<10	20.5	447	<0.5	8
L98450E-45150N	16	<1	60	<1	2	<10	29.5	535	<0.5	7
L98450E-45125N	8	<1	130	<1	1	<10	18.2	277	<0.5	4
L98450E-45100N	12	<1	70	<1	2	<10	8.9	1770	<0.5	3
L98450E-45062.5N	9	<1	110	<1	1	<10	15.2	1320	<0.5	6
L98450E-45050N	90	<1	70	<1	9	<10	21.2	617	<0.5	10
L98450E-45037.5N	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.
L98450E-45025N	26	<1	140	<1	3	<10	22.4	520	0.6	7
L98450E-45000N	23	<1	130	<1	4	<10	27.0	634	<0.5	5
L98450E-44962.5N	516	<1	850	<1	56	<10	17.0	<3	0.6	97
L98450E-44937.5N	13	<1	90	<1	2	<10	14.3	533	<0.5	5
L98450E-44875N	11	<1	150	<1	1	<10	19.6	1490	<0.5	5
L98450E-44862.5N	6	<1	110	<1	1	<10	12.3	1120	<0.5	4
L98450E-44850N	10	<1	40	<1	1	<10	7.3	1090	<0.5	3
L98450E-44825N	8	<1	390	<1	<1	<10	8.2	16	<0.5	15
L98450E-44812.5N	10	<1	510	<1	1	<10	5.8	3	<0.5	19
L98450E-44800N	11	<1	520	<1	1	<10	12.2	4	<0.5	20
L98350E-45600N	6	<1	80	<1	1	<10	16.9	614	<0.5	4
L98350E-45575N	4	<1	290	<1	<1	<10	1.1	5	0.5	30
L98350E-45562.5N	11	<1	200	<1	1	<10	11.8	509	0.5	10
L98350E-45550N	8	<1	40	<1	1	<10	11.2	435	<0.5	5
L98350E-45525N	8	<1	110	<1	1	<10	11.6	921	<0.5	4
L98350E-45500N	37	<1	240	<1	5	<10	24.7	170	<0.5	26
L98350E-45487.5N	18	<1	110	<1	2	<10	13.9	205	<0.5	14
L98350E-45475N	12	<1	130	<1	2	<10	12.1	806	<0.5	4
L98350E-45462.5N	36	<1	440	<1	3	<10	4.2	39	<0.5	21
L98350E-45425N	4	<1	10	<1	<1	<10	10.5	517	<0.5	4
L98350E-45412.5N	4	<1	40	<1	<1	<10	7.6	676	<0.5	3
L98350E-45362.5N	3	1	130	<1	<1	<10	9.1	1600	<0.5	5
L98350E-45337.5N	3	<1	90	<1	<1	<10	13.8	616	0.5	4
L98350E-45325N	10	<1	30	<1	2	<10	22.8	551	<0.5	7
L98350E-45275N	8	1	60	2	1	<10	15.5	1680	<0.5	8
L98350E-45250N	4	<1	130	<1	<1	<10	10.3	554	<0.5	4

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98350E-45225N	24	<1	360	<1	3	<10	27.1	706	<0.5	17
L98350E-45212.5N	7	<1	130	<1	1	<10	11.9	495	<0.5	5
L98350E-45200N	10	<1	50	<1	1	<10	10.6	932	<0.5	5
L98350E-45175N	5	<1	110	<1	1	<10	11.9	1090	<0.5	4
L98350E-45162.5N	9	<1	100	<1	1	<10	15.9	1220	<0.5	7
L98350E-45150N	7	<1	170	<1	1	<10	10.6	1550	<0.5	3
L98350E-45125N	9	1	160	<1	1	<10	12.1	1800	<0.5	4
L98350E-45112.5N	9	<1	160	<1	1	<10	15.1	1050	<0.5	4
L98350E-45100N	10	1	110	<1	1	<10	12.7	2240	<0.5	3
L98350E-45087.5N	9	<1	120	<1	1	<10	9.4	2050	<0.5	4
L98350E-45075N	6	<1	70	<1	1	<10	10.3	961	<0.5	4
L98350E-45062.5N	12	<1	50	<1	2	<10	35.0	1360	<0.5	9
L98350E-45050N	6	2	60	<1	<1	<10	13.7	2720	<0.5	5
L98350E-45025N	9	<1	70	<1	1	<10	8.1	1460	<0.5	3
L98350E-45012.5N	10	<1	60	<1	2	<10	10.1	2140	<0.5	4
L98350E-44987.5N	8	<1	50	<1	1	<10	10.0	1030	<0.5	4
L98350E-44975N	9	<1	90	<1	1	<10	6.6	899	<0.5	3
L98350E-44950N	7	<1	140	<1	1	<10	14.2	1640	<0.5	5
L98350E-44937.5N	12	<1	40	<1	2	<10	11.4	798	<0.5	6
L98350E-44912.5N	11	<1	80	<1	2	<10	9.8	531	<0.5	5
L98350E-44900N	6	<1	70	<1	<1	<10	10.9	843	<0.5	3
L98350E-44875N	10	<1	90	<1	2	<10	13.8	321	<0.5	5
L98350E-44862.5N	5	<1	50	<1	<1	<10	6.6	350	<0.5	3
L98350E-44850N	2	<1	240	<1	<1	<10	1.3	98	<0.5	5
L98350E-44837.5N	7	<1	50	<1	1	<10	7.1	376	<0.5	3
L98350E-44825N	7	<1	190	<1	<1	<10	6.6	1350	<0.5	3
L98350E-44812.5N	6	<1	130	<1	<1	<10	6.1	352	<0.5	5
L98350E-44800N	17	<1	30	<1	2	<10	17.9	384	<0.5	6
L98450E-44850N-A	13	<1	100	<1	2	<10	17.9	444	<0.5	7
*Dup L98450E-45475N	47	<1	<10	<1	5	<10	14.2	252	<0.5	10
*Dup L98450E-45237.5N	86	<1	40	<1	9	<10	30.5	494	<0.5	17
*Dup L98450E-44962.5N	497	<1	830	<1	51	<10	17.3	<3	0.6	92
*Dup L98350E-45525N	14	<1	110	<1	2	<10	12.2	1040	<0.5	5
*Dup L98350E-45225N	26	<1	360	<1	3	<10	24.5	763	<0.5	16
*Dup L98350E-45050N	7	2	60	<1	<1	<10	13.9	3030	<0.5	5
*Dup L98350E-44837.5N	8	<1	50	<1	1	<10	8.7	552	<0.5	3
*Std MMISRM14	4	1	470	<1	<1	<10	18.9	<3	<0.5	40
*Std MMISRM14	3	<1	470	<1	<1	<10	16.5	<3	<0.5	40
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 093662 Order:

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
L98450E-45475N	5	111	9	110	17
L98450E-45450N	1	39	4	800	35
L98450E-45437.5N	<1	52	5	570	16
L98450E-45425N	<1	54	5	740	23
L98450E-45600N	<1	30	3	140	<5
L98450E-45550N	<1	49	5	800	21
L98450E-45400N	<1	47	4	430	41
L98450E-45375N	<1	56	5	1300	19
L98450E-45337.5N	<1	35	3	260	17
L98450E-45325N	<1	32	2	290	13
L98450E-45312.5N	<1	23	3	1070	10
L98450E-45287.5N	<1	67	6	80	13
L98450E-45237.5N	<1	158	12	80	29
L98450E-45200N	<1	36	3	620	14
L98450E-45187.5N	<1	33	3	80	13
L98450E-45175N	<1	45	4	1410	28
L98450E-45150N	<1	43	3	880	32
L98450E-45125N	<1	28	2	2800	21
L98450E-45100N	<1	42	4	270	28
L98450E-45062.5N	<1	39	4	1240	27
L98450E-45050N	<1	216	14	360	31
L98450E-45037.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98450E-45025N	<1	89	8	430	26
L98450E-45000N	<1	97	8	1830	32
L98450E-44962.5N	1	1580	94	40	18
L98450E-44937.5N	<1	47	4	480	23
L98450E-44875N	<1	31	3	170	37
L98450E-44862.5N	<1	38	4	470	25
L98450E-44850N	<1	31	3	110	20
L98450E-44825N	<1	18	1	90	7
L98450E-44812.5N	<1	31	2	40	6
L98450E-44800N	<1	27	2	50	8
L98350E-45600N	<1	35	3	4150	22
L98350E-45575N	<1	10	<1	380	<5
L98350E-45562.5N	<1	43	4	410	15
L98350E-45550N	<1	38	3	2710	17
L98350E-45525N	<1	29	2	2700	20
L98350E-45500N	<1	133	11	1150	24
L98350E-45487.5N	<1	68	6	670	18
L98350E-45475N	<1	50	4	260	19
L98350E-45462.5N	<1	83	6	110	8
L98350E-45425N	<1	23	2	730	18
L98350E-45412.5N	<1	26	2	2020	14
L98350E-45362.5N	<1	12	2	360	23
L98350E-45337.5N	<1	18	2	520	22
L98350E-45325N	<1	41	4	880	31
L98350E-45275N	5	37	3	310	29
L98350E-45250N	1	34	5	920	16

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98350E-45225N	1	73	6	1080	50
L98350E-45212.5N	<1	37	3	1970	18
L98350E-45200N	<1	43	4	150	20
L98350E-45175N	<1	28	2	1520	20
L98350E-45162.5N	<1	39	4	290	27
L98350E-45150N	<1	32	3	1030	27
L98350E-45125N	<1	39	4	750	27
L98350E-45112.5N	<1	33	3	400	25
L98350E-45100N	<1	39	3	380	32
L98350E-45087.5N	<1	33	3	400	29
L98350E-45075N	<1	35	3	140	21
L98350E-45062.5N	<1	41	4	150	49
L98350E-45050N	<1	31	3	220	38
L98350E-45025N	<1	44	4	550	24
L98350E-45012.5N	<1	54	5	380	24
L98350E-44987.5N	<1	32	3	550	22
L98350E-44975N	<1	34	3	180	15
L98350E-44950N	<1	38	4	470	28
L98350E-44937.5N	<1	58	5	320	23
L98350E-44912.5N	<1	39	3	190	19
L98350E-44900N	<1	25	3	590	24
L98350E-44875N	<1	47	5	410	17
L98350E-44862.5N	<1	26	3	370	13
L98350E-44850N	<1	6	<1	50	<5
L98350E-44837.5N	<1	43	4	380	13
L98350E-44825N	<1	25	2	50	16
L98350E-44812.5N	<1	23	2	330	11
L98350E-44800N	<1	67	6	100	27
L98450E-44850N-A	<1	73	7	240	19
*Dup L98450E-45475N	<1	120	10	80	16
*Dup L98450E-45237.5N	<1	155	13	90	33
*Dup L98450E-44962.5N	<1	1400	86	60	18
*Dup L98350E-45525N	<1	40	3	2100	24
*Dup L98350E-45225N	<1	69	6	1110	49
*Dup L98350E-45050N	<1	29	3	200	45
*Dup L98350E-44837.5N	<1	38	3	290	17
*Std MMISRM14	<1	11	<1	340	15
*Std MMISRM14	<1	7	<1	300	11
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093663

To: **Geotronics Consulting Inc.**

Date: Jul 11, 2007

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

P.O. No. :
Project No. : DEFAULT
No. Of Samples : 65
Date Submitted : Jun 22, 2007
Report Comprises : Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

65 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General 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

Member of the SGS Group (Société Générale de Surveillance)



Final : 093663 Order:

Page 2 of 11

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
L98850E-45467.5N	22	166	30	<0.1	930	2	110	40	67	48
L9700E-45412.5N	17	30	<10	<0.1	270	<1	290	15	207	110
L98700E-45350N	49	127	<10	<0.1	480	<1	180	27	55	36
L98700E-45337.5N	19	160	20	<0.1	380	3	110	40	33	130
L98700E-45282.5N	62	135	<10	0.1	710	<1	100	8	35	53
L98700E-45250N	45	194	<10	<0.1	200	<1	<10	7	65	69
L98700E-45225N	29	225	40	0.1	600	1	40	17	204	164
L98700E-45200N	19	109	10	0.2	1010	<1	160	15	697	138
L98700E-45187.5N	16	112	20	<0.1	1870	<1	150	10	556	129
L98700E-44837.5N	<1	48	30	<0.1	530	<1	260	18	200	112
L98700E-44862.5N	3	36	20	<0.1	470	<1	310	22	153	83
L98700E-44900N	4	47	120	0.1	1000	<1	320	23	396	116
L98700E-44987.5N	12	10	<10	0.2	1030	<1	380	5	140	16
L98700E-44962.5N	8	4	<10	0.2	1230	<1	450	1	39	22
L98700E-45162.5N	8	81	30	<0.1	550	<1	120	13	102	269
L98650E-45537.5N	18	209	30	<0.1	350	<1	<10	13	73	159
L98650E-45512.5N	8	169	20	<0.1	450	<1	<10	5	66	88
L98700E-45425N	4	39	<10	<0.1	140	<1	230	33	559	43
L98700E-45362.5N	55	99	10	0.1	610	<1	170	14	239	198
L98700E-45000N	12	17	<10	0.2	1450	<1	420	6	268	8
L98700E-45087.5N	10	20	<10	0.4	1370	<1	290	4	555	42
L98700E-45012.5N	4	5	<10	0.4	1240	<1	410	1	22	21
L98700E-45025N	9	8	50	0.2	730	<1	360	4	24	87
L98700E-45037.5N	7	11	<10	0.2	1790	<1	420	2	173	16
L98700E-45050N	7	16	<10	0.2	1460	<1	370	4	576	92
L98700E-45062.5N	10	15	<10	0.4	1180	<1	390	15	272	23
L98700E-45075N	5	38	40	0.2	990	<1	240	14	1100	269
L98700E-45175N	16	108	10	<0.1	880	<1	160	12	384	104
L98600E-45075N	22	183	20	<0.1	1280	<1	50	11	653	43
L98650E-45250N	24	184	20	<0.1	340	1	10	28	151	202
L98650E-45450N	18	188	20	<0.1	290	<1	<10	17	49	102
L98650E-45062.5N	8	124	130	0.1	720	3	30	3	369	290
L98600E-45050N	43	223	40	<0.1	420	2	<10	21	104	208
L98600E-45037.5N	3	149	30	<0.1	210	9	20	71	23	174
L98600E-45000N	123	81	10	<0.1	800	<1	520	48	119	17
L98600E-44937.5N	21	46	50	0.1	530	<1	590	24	649	295
L98600E-44875N	16	26	<10	0.2	330	<1	670	48	51	61
L98600E-44812.5N	<1	13	20	<0.1	140	<1	290	9	12	53
L98500E-44862.5N	34	216	40	<0.1	1500	3	30	25	219	91
L98500E-44850N	7	132	110	<0.1	980	1	60	82	179	536
L98500E-44987.5N	20	202	20	<0.1	480	3	30	47	109	102
L98500E-44937.5N	20	162	100	0.1	850	5	80	73	110	107
L98500E-44912.5N	13	55	30	0.2	650	<1	160	9	1950	454
L98500E-44900N	41	52	20	0.1	1490	<1	180	4	838	209
L98500E-45475N	12	25	10	<0.1	230	<1	350	51	92	23
L98700E-45400N	10	40	30	<0.1	250	5	300	133	110	172
L98700E-45237.5N	39	206	30	0.1	520	1	30	21	150	108
L98700E-45325N	29	184	<10	<0.1	320	<1	30	9	95	35

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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
L98700E-45312.5N	19	201	40	<0.1	310	1	20	44	14	190
L98700E-45300N	33	203	20	<0.1	570	2	20	19	41	144
L98650E-45575N	7	188	<10	<0.1	220	<1	<10	26	26	157
L98600E-44937.5N	2	24	<10	0.3	270	<1	260	13	115	88
L98500E-45087.5N	20	186	<10	<0.1	640	<1	50	10	61	29
L98500E-45062.5N	23	152	20	<0.1	540	1	90	14	151	63
L98500E-45050N	21	165	20	<0.1	550	1	90	17	71	61
L98500E-45025N	32	62	<10	<0.1	860	<1	180	4	113	49
L98500E-45037.5N	21	87	<10	<0.1	710	<1	160	10	114	32
L98250E-45600N	19	140	<10	<0.1	670	<1	90	12	84	33
L98350E-45167.5N	9	168	20	<0.1	930	2	80	25	88	66
L98450E-44887.5N	5	208	20	<0.1	430	2	20	20	44	99
L98500E-45000N	11	193	10	<0.1	560	1	50	19	49	79
L98550E-45637.5N	27	170	50	<0.1	260	1	80	22	33	295
L98550E-45125N	37	146	<10	<0.1	700	<1	50	4	173	52
L98750E-45125N	5	60	20	0.2	2030	<1	260	7	847	284
L98450E-45537.5N	13	181	30	<0.1	270	1	<10	22	14	79
*Dup L98850E-45467.5N	16	166	40	<0.1	990	3	100	42	50	69
*Dup L98700E-44987.5N	14	12	<10	0.2	1190	<1	400	4	170	14
*Dup L98700E-45050N	10	17	<10	0.3	1530	<1	370	6	442	64
*Dup L98600E-44875N	15	35	<10	0.1	500	<1	700	41	88	63
*Dup L98700E-45312.5N	17	206	50	<0.1	340	2	30	37	13	193
*Dup L98500E-45000N	13	196	20	<0.1	600	<1	50	18	57	65
*Std MMISRM14	18	28	<10	38.6	70	<1	250	8	13	42
*Std MMISRM14	16	24	<10	35.1	80	<1	230	7	13	38
*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	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98850E-45467.5N	<100	420	8	4.2	2.6	49	10	41	12	10
L9700E-45412.5N	<100	180	6	3.3	3.4	9	13	56	<5	45
L98700E-45350N	<100	220	6	3.2	2.1	20	7	26	5	12
L98700E-45337.5N	<100	240	5	2.9	1.7	87	6	17	9	14
L98700E-45282.5N	<100	240	8	4.6	1.9	46	7	20	10	13
L98700E-45250N	<100	190	12	5.9	3.2	21	12	27	8	<1
L98700E-45225N	<100	320	17	7.8	5.1	74	20	71	10	4
L98700E-45200N	<100	330	50	23.7	17.8	89	74	286	7	35
L98700E-45187.5N	<100	480	38	18.3	17.0	47	69	312	8	22
L98700E-44837.5N	<100	3140	19	11.1	5.9	103	25	95	9	59
L98700E-44862.5N	<100	1470	13	7.7	4.2	37	18	81	<5	62
L98700E-44900N	<100	1220	24	13.0	8.8	67	37	177	6	69
L98700E-44987.5N	<100	580	14	6.4	5.2	4	22	52	<5	95
L98700E-44962.5N	<100	670	8	3.8	2.5	2	11	6	8	91
L98700E-45162.5N	<100	620	8	4.4	2.8	202	11	42	8	25
L98650E-45537.5N	<100	310	7	3.5	2.3	55	8	44	7	1
L98650E-45512.5N	<100	720	7	4.1	2.1	48	8	30	6	<1
L98700E-45425N	<100	200	11	5.7	5.1	5	20	73	<5	36
L98700E-45362.5N	<100	1700	53	24.5	23.5	37	96	425	5	24
L98700E-45000N	<100	780	20	9.1	7.4	5	32	88	7	102
L98700E-45087.5N	<100	740	36	17.2	15.4	14	67	313	5	87
L98700E-45012.5N	<100	560	9	4.7	2.9	2	13	6	15	99
L98700E-45025N	<100	770	5	3.0	1.6	5	7	8	<5	79
L98700E-45037.5N	<100	370	11	4.9	3.9	3	18	31	<5	108
L98700E-45050N	<100	1190	24	11.7	10.4	28	44	228	<5	113
L98700E-45062.5N	<100	880	33	17.0	12.0	8	54	163	5	110
L98700E-45075N	<100	1340	43	19.9	18.5	88	74	442	<5	74
L98700E-45175N	<100	560	31	14.1	12.3	64	49	209	<5	29
L98600E-45075N	<100	280	36	15.2	15.0	64	59	299	15	7
L98650E-45250N	<100	360	14	6.8	3.6	33	14	44	6	3
L98650E-45450N	<100	170	9	4.6	2.3	26	8	20	6	1
L98650E-45062.5N	<100	1330	54	25.4	21.7	256	84	405	15	8
L98600E-45050N	<100	430	9	4.5	2.6	47	10	36	7	2
L98600E-45037.5N	<100	300	8	4.7	1.8	93	7	13	5	7
L98600E-45000N	<100	730	89	38.1	58.7	7	238	879	11	99
L98600E-44937.5N	<100	19400	183	78.8	128	63	531	3780	8	115
L98600E-44875N	<100	5310	10	5.6	4.3	30	18	61	9	134
L98600E-44812.5N	<100	520	1	0.8	<0.5	23	2	6	<5	47
L98500E-44862.5N	<100	480	34	18.8	9.0	77	40	109	17	7
L98500E-44850N	100	490	9	4.3	3.3	220	12	56	9	14
L98500E-44987.5N	<100	540	10	4.6	2.9	39	11	33	6	5
L98500E-44937.5N	100	640	11	5.8	3.2	125	13	50	14	10
L98500E-44912.5N	<100	2400	60	26.8	35.7	70	136	1190	<5	32
L98500E-44900N	<100	1260	55	28.2	31.5	42	129	639	<5	41
L98500E-45475N	<100	280	10	4.9	4.7	11	19	50	<5	56
L98700E-45400N	<100	200	12	6.4	4.6	27	19	44	8	35
L98700E-45237.5N	<100	480	13	5.7	3.6	23	13	39	5	2
L98700E-45325N	<100	80	11	5.2	3.8	27	13	55	6	2

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98700E-45312.5N	<100	530	5	2.9	1.0	85	3	5	10	3
L98700E-45300N	<100	310	7	3.8	1.8	81	6	15	10	4
L98650E-45575N	<100	240	9	5.5	1.5	41	6	13	<5	2
L98600E-44937.5N	<100	14200	48	26.9	25.5	11	107	628	<5	44
L98500E-45087.5N	<100	220	8	4.0	2.7	57	10	48	10	5
L98500E-45062.5N	<100	220	7	3.2	2.8	45	11	60	7	11
L98500E-45050N	<100	280	6	3.1	2.3	47	8	36	8	7
L98500E-45025N	<100	540	8	3.7	4.5	14	18	126	<5	32
L98500E-45037.5N	<100	150	4	1.7	1.7	20	6	23	<5	16
L98250E-45600N	<100	120	9	4.4	3.7	29	13	53	6	6
L98350E-45167.5N	<100	330	12	6.8	2.9	46	13	50	10	13
L98450E-44887.5N	<100	250	7	3.5	1.9	61	7	25	<5	3
L98500E-45000N	<100	250	8	3.9	2.1	62	8	23	9	6
L98550E-45637.5N	<100	190	6	3.3	1.8	88	6	14	12	11
L98550E-45125N	<100	130	8	3.8	3.1	27	11	53	<5	3
L98750E-45125N	<100	680	36	18.2	13.0	83	54	314	<5	79
L98450E-45537.5N	<100	610	3	2.1	0.6	130	2	7	5	2
*Dup L98850E-45467.5N	<100	440	7	4.0	2.1	71	8	34	11	11
*Dup L98700E-44987.5N	<100	630	15	6.6	6.3	5	27	66	<5	97
*Dup L98700E-45050N	<100	900	26	11.6	11.2	20	47	168	<5	111
*Dup L98600E-44875N	<100	7800	15	7.6	7.1	48	29	102	7	140
*Dup L98700E-45312.5N	<100	520	4	2.7	0.8	96	3	5	10	5
*Dup L98500E-45000N	<100	220	9	4.6	2.4	48	9	25	8	5
*Std MMISRM14	<100	710	2	0.6	0.8	1	3	3	<5	34
Std MMISRM14	<100	630	1	0.5	0.8	1	3	2	<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

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Final : 093663 Order:

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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98850E-45467.5N	<5	4.0	41	271	840	<1	8	114	3	32
L9700E-45412.5N	6	<0.5	83	307	10	<1	17	83	<1	14
L98700E-45350N	<5	0.8	27	324	590	<1	5	152	1	15
L98700E-45337.5N	<5	3.4	23	280	830	<1	4	55	2	25
L98700E-45282.5N	<5	5.0	23	456	250	<1	4	229	2	32
L98700E-45250N	<5	1.0	48	228	480	<1	9	104	1	24
L98700E-45225N	<5	2.2	93	378	1030	<1	19	119	2	32
L98700E-45200N	<5	3.1	369	178	350	<1	76	42	<1	53
L98700E-45187.5N	<5	3.6	401	168	410	<1	83	79	1	36
L98700E-44837.5N	<5	1.1	122	275	210	<1	25	23	3	36
L98700E-44862.5N	<5	<0.5	97	308	240	<1	20	20	3	17
L98700E-44900N	11	1.1	201	309	480	<1	44	48	7	36
L98700E-44987.5N	<5	<0.5	88	141	50	<1	16	32	<1	9
L98700E-44962.5N	<5	<0.5	25	107	50	<1	3	12	<1	7
L98700E-45162.5N	<5	3.2	51	402	150	1	11	81	2	23
L98650E-45537.5N	<5	2.4	34	166	840	<1	8	119	2	24
L98650E-45512.5N	<5	1.1	30	180	270	<1	7	63	2	28
L98700E-45425N	5	<0.5	113	261	50	<1	22	53	<1	10
L98700E-45362.5N	<5	0.7	530	145	250	<1	109	116	1	42
L98700E-45000N	<5	<0.5	137	179	70	<1	25	41	1	10
L98700E-45087.5N	<5	1.6	356	188	80	<1	73	52	<1	23
L98700E-45012.5N	<5	<0.5	27	76	40	<1	3	19	<1	6
L98700E-45025N	6	<0.5	19	193	40	<1	3	22	3	6
L98700E-45037.5N	<5	<0.5	61	60	40	<1	10	34	<1	6
L98700E-45050N	<5	0.7	266	177	70	<1	56	31	<1	18
L98700E-45062.5N	<5	<0.5	224	266	50	<1	42	38	<1	14
L98700E-45075N	<5	2.6	470	283	90	<1	103	66	1	51
L98700E-45175N	<5	2.4	248	174	270	<1	52	62	1	41
L98600E-45075N	<5	7.5	318	109	630	<1	67	117	1	56
L98650E-45250N	<5	1.4	52	319	780	<1	10	128	2	28
L98650E-45450N	<5	1.0	29	197	650	<1	6	73	2	28
L98650E-45062.5N	6	6.8	457	209	240	<1	97	95	5	83
L98600E-45050N	<5	1.6	40	310	880	<1	9	137	2	29
L98600E-45037.5N	<5	3.5	21	256	1800	<1	4	96	2	39
L98600E-45000N	<5	<0.5	1460	400	240	<1	273	293	1	25
L98600E-44937.5N	8	0.9	3780	487	440	<1	776	65	2	44
L98600E-44875N	8	<0.5	86	475	550	<1	16	15	2	11
L98600E-44812.5N	<5	<0.5	7	183	90	<1	2	16	<1	<5
L98500E-44862.5N	<5	4.8	164	293	950	<1	31	152	2	46
L98500E-44850N	<5	9.0	62	273	300	<1	14	161	2	32
L98500E-44987.5N	<5	1.4	43	288	1790	<1	9	174	3	22
L98500E-44937.5N	5	3.8	56	520	1260	<1	11	99	5	47
L98500E-44912.5N	6	1.1	1120	338	1420	<1	251	138	1	53
L98500E-44900N	<5	1.0	919	155	110	<1	188	160	2	36
L98500E-45475N	<5	<0.5	88	276	210	<1	16	66	<1	8
L98700E-45400N	5	0.6	81	275	1430	<1	15	23	4	12
L98700E-45237.5N	<5	2.2	48	389	690	<1	10	153	3	18
L98700E-45325N	<5	3.7	57	182	180	<1	12	91	2	21

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Final : 093663 Order:

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98700E-45312.5N	<5	1.7	9	373	440	<1	2	197	2	17
L98700E-45300N	<5	5.2	19	267	430	<1	4	113	2	26
L98650E-45575N	<5	1.5	17	182	370	<1	3	88	<1	21
L98600E-44937.5N	<5	<0.5	721	121	220	<1	151	47	<1	13
L98500E-45087.5N	<5	4.4	46	341	270	<1	10	77	2	22
L98500E-45062.5N	<5	3.0	55	221	500	<1	12	102	2	22
L98500E-45050N	<5	2.6	37	507	450	<1	8	99	2	22
L98500E-45025N	<5	1.0	127	81	40	<1	27	105	<1	8
L98500E-45037.5N	<5	1.1	27	170	350	<1	6	165	2	10
L98250E-45600N	<5	2.0	59	181	400	<1	12	121	2	17
L98350E-45167.5N	<5	2.3	48	498	690	<1	10	128	2	27
L98450E-44887.5N	<5	2.5	28	165	550	<1	6	141	1	18
L98500E-45000N	<5	3.0	30	346	430	<1	6	103	2	20
L98550E-45637.5N	<5	3.7	20	229	380	<1	4	92	1	21
L98550E-45125N	<5	1.3	52	118	390	<1	11	100	2	16
L98750E-45125N	<5	2.4	336	215	110	<1	75	63	1	59
L98450E-45537.5N	<5	2.4	7	189	150	<1	1	130	3	20
*Dup L98850E-45467.5N	<5	3.9	34	287	940	<1	7	116	3	28
*Dup L98700E-44987.5N	<5	<0.5	110	146	40	<1	20	36	<1	7
*Dup L98700E-45050N	<5	<0.5	228	176	90	<1	44	33	<1	11
*Dup L98600E-44875N	6	0.6	121	445	430	<1	23	18	2	16
*Dup L98700E-45312.5N	<5	1.9	7	403	390	<1	1	211	2	18
*Dup L98500E-45000N	<5	3.0	33	326	450	<1	7	109	2	21
*Std MMISRM14	32	<0.5	9	238	100	48	2	303	1	8
*Std MMISRM14	29	<0.5	8	213	80	41	1	280	1	5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Final : 093663 Order:

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98850E-45467.5N	9	<1	190	<1	1	<10	13.0	1530	<0.5	3
L9700E-45412.5N	15	<1	300	<1	1	<10	3.6	10	0.6	11
L98700E-45350N	6	<1	380	<1	<1	<10	4.6	201	<0.5	3
L98700E-45337.5N	5	<1	240	<1	<1	<10	8.5	1200	<0.5	2
L98700E-45282.5N	6	<1	230	<1	1	<10	11.1	2080	<0.5	7
L98700E-45250N	11	<1	20	<1	2	<10	9.7	273	<0.5	4
L98700E-45225N	20	<1	60	<1	3	<10	27.3	820	<0.5	5
L98700E-45200N	76	<1	340	<1	9	<10	48.6	647	<0.5	11
L98700E-45187.5N	75	<1	360	<1	7	<10	28.5	1070	<0.5	11
L98700E-44837.5N	25	<1	410	<1	3	<10	14.0	138	<0.5	170
L98700E-44862.5N	18	<1	450	<1	2	<10	4.7	37	<0.5	50
L98700E-44900N	37	<1	520	<1	4	<10	17.7	94	<0.5	69
L98700E-44987.5N	21	<1	650	<1	2	<10	11.1	<3	<0.5	13
L98700E-44962.5N	9	<1	680	<1	1	<10	3.9	<3	<0.5	3
L98700E-45162.5N	10	<1	250	<1	1	<10	11.5	1050	<0.5	3
L98650E-45537.5N	8	<1	20	<1	1	<10	12.8	766	0.5	4
L98650E-45512.5N	7	<1	10	<1	1	<10	9.2	353	<0.5	4
L98700E-45425N	22	<1	260	<1	2	<10	1.6	<3	0.6	17
L98700E-45362.5N	101	<1	270	<1	10	<10	14.2	197	<0.5	19
L98700E-45000N	30	<1	720	<1	3	<10	16.6	<3	<0.5	33
L98700E-45087.5N	68	<1	640	<1	7	<10	40.8	236	<0.5	10
L98700E-45012.5N	9	<1	690	<1	1	<10	3.5	<3	<0.5	2
L98700E-45025N	5	<1	560	<1	<1	<10	6.9	<3	<0.5	7
L98700E-45037.5N	16	<1	810	<1	2	<10	11.2	<3	<0.5	13
L98700E-45050N	48	<1	650	<1	5	<10	26.0	10	<0.5	10
L98700E-45062.5N	48	<1	590	<1	6	<10	17.8	8	<0.5	6
L98700E-45075N	83	<1	450	<1	8	<10	27.8	407	<0.5	32
L98700E-45175N	50	<1	290	<1	6	<10	19.9	816	<0.5	18
L98600E-45075N	62	<1	150	<1	7	<10	31.1	2920	<0.5	11
L98650E-45250N	12	<1	50	<1	2	<10	20.3	488	<0.5	7
L98650E-45450N	7	<1	<10	<1	1	<10	8.1	368	<0.5	4
L98650E-45062.5N	94	2	160	<1	10	<10	25.8	2490	<0.5	15
L98600E-45050N	9	<1	40	<1	1	<10	22.0	585	<0.5	6
L98600E-45037.5N	6	<1	80	<1	1	<10	11.2	886	0.5	3
L98600E-45000N	271	<1	740	<1	20	<10	13.2	67	<0.5	33
L98600E-44937.5N	615	<1	660	<1	44	<10	21.0	79	<0.5	128
L98600E-44875N	18	<1	610	<1	2	<10	5.0	50	<0.5	45
L98600E-44812.5N	1	<1	320	<1	<1	<10	0.8	12	<0.5	6
L98500E-44862.5N	36	<1	130	<1	5	<10	33.6	1610	0.6	9
L98500E-44850N	12	1	150	<1	2	<10	24.3	2620	0.6	5
L98500E-44987.5N	10	<1	60	<1	2	<10	15.3	467	<0.5	4
L98500E-44937.5N	12	1	130	<1	2	<10	21.2	1210	<0.5	6
L98500E-44912.5N	174	<1	310	<1	14	<10	28.3	185	0.7	16
L98500E-44900N	151	<1	530	<1	12	<10	17.4	251	<0.5	11
L98500E-45475N	19	<1	320	<1	2	<10	2.8	45	<0.5	11
L98700E-45400N	18	<1	330	<1	2	<10	4.1	87	0.7	5
L98700E-45237.5N	12	<1	100	1	2	<10	21.4	323	<0.5	4
L98700E-45325N	13	<1	50	<1	2	<10	10.2	1490	<0.5	4

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Final : 093663 Order:

Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98700E-45312.5N	2	<1	80	<1	<1	<10	7.2	438	0.5	3
L98700E-45300N	5	<1	120	<1	<1	<10	9.6	1940	<0.5	3
L98650E-45575N	4	<1	20	<1	<1	<10	6.1	563	<0.5	3
L98600E-44937.5N	122	<1	320	<1	10	<10	3.5	4	<0.5	62
L98500E-45087.5N	9	<1	70	<1	1	<10	10.6	1880	<0.5	3
L98500E-45062.5N	11	<1	110	<1	1	<10	17.2	1180	<0.5	3
L98500E-45050N	8	<1	110	<1	1	<10	11.1	1040	<0.5	3
L98500E-45025N	20	<1	200	<1	2	<10	5.4	293	<0.5	7
L98500E-45037.5N	6	<1	260	<1	<1	<10	12.4	431	<0.5	4
L98250E-45600N	12	<1	140	<1	2	<10	9.1	959	<0.5	4
L98350E-45167.5N	10	<1	160	<1	2	<10	14.3	958	<0.5	6
L98450E-44887.5N	6	<1	80	<1	1	<10	9.9	655	<0.5	5
L98500E-45000N	8	<1	100	<1	1	<10	9.2	1160	<0.5	4
L98550E-45637.5N	5	<1	160	<1	<1	<10	8.0	1630	<0.5	2
L98550E-45125N	11	<1	70	<1	1	<10	14.5	484	<0.5	4
L98750E-45125N	60	<1	490	<1	6	<10	56.1	264	<0.5	25
L98450E-45537.5N	2	<1	20	<1	<1	<10	10.2	831	0.5	5
*Dup L98850E-45467.5N	7	<1	200	<1	1	<10	12.5	1810	<0.5	4
*Dup L98700E-44987.5N	25	<1	670	<1	3	<10	13.8	5	<0.5	19
*Dup L98700E-45050N	47	<1	640	<1	5	<10	26.4	10	<0.5	8
*Dup L98600E-44875N	30	<1	640	<1	3	<10	7.4	92	<0.5	69
*Dup L98700E-45312.5N	2	<1	110	<1	<1	<10	7.0	573	0.5	2
*Dup L98500E-45000N	8	<1	90	<1	1	<10	9.9	1170	<0.5	4
*Std MMISRM14	3	<1	560	<1	<1	<10	12.6	<3	<0.5	32
*Std MMISRM14	3	<1	520	<1	<1	<10	12.4	<3	<0.5	32
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 093663 Order:

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98850E-45467.5N	3	38	3	2010	34
L9700E-45412.5N	<1	36	3	180	7
L98700E-45350N	<1	32	2	1890	11
L98700E-45337.5N	<1	27	2	3110	19
L98700E-45282.5N	<1	38	4	780	28
L98700E-45250N	<1	50	4	60	17
L98700E-45225N	<1	64	5	150	34
L98700E-45200N	<1	221	18	380	51
L98700E-45187.5N	<1	181	13	40	46
L98700E-44837.5N	<1	110	9	400	29
L98700E-44862.5N	<1	70	6	300	<5
L98700E-44900N	<1	123	10	480	30
L98700E-44987.5N	<1	62	5	110	<5
L98700E-44962.5N	<1	36	3	20	7
L98700E-45162.5N	<1	39	4	290	23
L98650E-45537.5N	<1	29	3	490	26
L98650E-45512.5N	<1	30	3	130	20
L98700E-45425N	<1	55	4	550	<5
L98700E-45362.5N	<1	274	17	180	18
L98700E-45000N	<1	88	7	<20	11
L98700E-45087.5N	<1	167	13	40	50
L98700E-45012.5N	<1	44	4	<20	8
L98700E-45025N	2	24	3	90	<5
L98700E-45037.5N	<1	47	3	20	11
L98700E-45050N	<1	112	10	60	23
L98700E-45062.5N	<1	163	13	200	20
L98700E-45075N	<1	197	16	140	50
L98700E-45175N	<1	150	10	100	33
L98600E-45075N	<1	149	11	380	67
L98650E-45250N	<1	53	5	450	30
L98650E-45450N	<1	39	4	340	18
L98650E-45062.5N	<1	219	19	220	57
L98600E-45050N	<1	34	3	730	37
L98600E-45037.5N	<1	38	4	2090	21
L98600E-45000N	<1	473	25	1670	53
L98600E-44937.5N	<1	1050	56	640	70
L98600E-44875N	<1	64	4	810	35
L98600E-44812.5N	<1	7	<1	680	<5
L98500E-44862.5N	<1	188	14	450	56
L98500E-44850N	<1	36	4	1270	46
L98500E-44987.5N	<1	39	3	1260	23
L98500E-44937.5N	<1	50	5	3020	53
L98500E-44912.5N	<1	254	21	370	48
L98500E-44900N	<1	298	23	180	32
L98500E-45475N	<1	53	4	1190	<5
L98700E-45400N	<1	62	5	1940	14
L98700E-45237.5N	3	46	4	180	24
L98700E-45325N	<1	46	4	130	23

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98700E-45312.5N	<1	19	2	1540	16
L98700E-45300N	<1	29	3	1750	24
L98650E-45575N	<1	41	4	910	14
L98600E-44937.5N	<1	262	21	150	<5
L98500E-45087.5N	<1	35	3	450	24
L98500E-45062.5N	<1	30	2	600	28
L98500E-45050N	<1	28	3	1140	21
L98500E-45025N	<1	41	3	80	10
L98500E-45037.5N	<1	14	1	540	16
L98250E-45600N	<1	39	3	480	14
L98350E-45167.5N	<1	66	5	380	23
L98450E-44887.5N	<1	29	3	1360	19
L98500E-45000N	<1	34	3	480	20
L98550E-45637.5N	<1	26	3	1070	19
L98550E-45125N	<1	32	3	150	22
L98750E-45125N	<1	163	16	110	88
L98450E-45537.5N	<1	11	2	850	23
*Dup L98850E-45467.5N	<1	33	3	2320	35
*Dup L98700E-44987.5N	<1	68	5	80	9
*Dup L98700E-45050N	<1	114	9	110	22
*Dup L98600E-44875N	<1	97	5	550	50
*Dup L98700E-45312.5N	<1	16	2	1490	14
*Dup L98500E-45000N	<1	35	3	390	22
*Std MMISRM14	<1	6	<1	290	12
*Std MMISRM14	<1	6	<1	310	21
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093661

To: **Geotronics Consulting Inc.**

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

Date: Jul 06, 2007

P.O. No. :
Project No. : DEFAULT
No. Of Samples 64
Date Submitted Jun 22, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

64 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General 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

Member of the SGS Group (Société Générale de Surveillance)



Final : 093661 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98850E-45600N	25	262	30	0.1	290	2	50	23	53	102
L98850E-45587.5N	37	278	60	0.1	530	2	70	39	56	229
L98850E-45575N	21	254	20	<0.1	180	<1	20	28	13	134
L98850E-45550N	10	176	30	<0.1	330	<1	<10	3	56	121
L98850E-45512.5N	9	240	30	<0.1	230	3	20	43	132	180
L98850E-45500N	49	227	20	<0.1	210	1	10	24	43	118
L98850E-45487.5N	49	224	<10	<0.1	260	<1	<10	11	77	91
L98850E-45462.5N	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.
L98850E-45450N	31	201	20	<0.1	600	<1	70	14	137	43
L98850E-45437.5N	40	195	30	<0.1	1170	1	80	8	127	39
L98850E-45412.5N	54	228	<10	<0.1	420	<1	30	30	46	82
L98850E-45375N	65	234	<10	<0.1	760	<1	50	23	108	68
L98850E-45350N	39	239	40	<0.1	410	3	70	35	17	134
L98750E-45425E	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.
L98750E-45362.5N	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.
L98750E-45150N	6	163	20	0.2	1210	<1	170	7	1240	73
L98750E-45125N	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.
L98750E-45112.5N	4	50	100	<0.1	770	<1	230	20	311	481
L98750E-45100N	7	37	<10	0.1	880	<1	350	7	139	219
L98650E-45550N	26	150	10	<0.1	230	<1	<10	12	172	58
L98650E-45500N	36	229	70	<0.1	450	<1	10	12	94	113
L98650E-45487.5N	20	222	40	0.1	510	<1	10	9	132	154
L98650E-45450N	67	199	10	<0.1	370	<1	40	7	144	125
L98650E-45400N	25	225	20	<0.1	340	<1	20	8	531	72
L98650E-45375N	12	199	30	<0.1	240	<1	<10	12	119	213
L98650E-45362.5N	24	189	<10	<0.1	250	<1	<10	10	159	37
L98650E-45337.5N	14	81	<10	0.1	90	<1	<10	7	523	16
L98650E-45325N	6	116	<10	0.2	220	<1	<10	4	76	68
L98650E-45312.5N	8	143	50	<0.1	590	<1	10	2	279	78
L98650E-45300N	12	240	20	<0.1	180	<1	<10	15	32	76
L98650E-45287.5N	83	171	20	0.2	580	<1	40	9	443	50
L98650E-45275N	106	183	20	0.2	500	<1	20	9	738	46
L98650E-45237.5N	21	199	30	<0.1	640	<1	80	8	257	116
L98650E-45212.5N	36	234	40	<0.1	820	1	70	9	108	60
L98650E-45187.5N	26	143	<10	<0.1	840	<1	50	9	220	50
L98650E-45137.5N	18	217	10	<0.1	330	<1	20	9	325	133
L98650E-45125N	35	218	30	<0.1	860	<1	90	15	698	24
L98650E-45100N	10	179	90	<0.1	500	1	60	23	156	795
L98650E-44950N	<1	4	10	<0.1	60	<1	340	15	<5	133
L98650E-44937.5N	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.
L98550E-45600N	<1	40	20	<0.1	40	<1	190	9	141	175
L98550E-45587.5N	57	207	10	0.1	560	<1	70	16	692	21
L98550E-45575N	25	295	50	<0.1	790	1	50	59	324	279
L98550E-45562.5N	24	40	<10	<0.1	480	<1	270	5	483	139
L98550E-45550N	63	60	30	<0.1	690	<1	230	5	302	220
L98550E-45500N	28	>300	60	<0.1	960	2	60	9	233	84
L98550E-45475N	23	250	20	<0.1	230	<1	20	12	30	113
L98550E-45462.5N	26	178	20	<0.1	300	<1	<10	13	47	73

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98550E-45450N	25	268	30	<0.1	230	<1	<10	8	45	64
L98550E-45375N	16	186	70	<0.1	480	<1	10	2	103	85
L98550E-45350N	27	189	10	0.1	390	<1	40	18	1030	18
L98550E-45337.5N	17	271	50	<0.1	510	2	70	13	234	90
L98550E-45312.5N	27	182	30	<0.1	470	<1	100	11	101	88
L98550E-45275N	58	171	30	0.1	700	2	100	22	709	86
L98550E-45237.5N	46	127	20	0.1	720	1	50	11	753	24
L98550E-45225N	26	237	20	<0.1	570	<1	60	12	81	49
L98550E-45200N	39	144	<10	<0.1	420	<1	40	8	69	28
L98550E-45187.5N	10	266	40	<0.1	860	1	50	4	81	52
L98550E-45175N	24	167	20	<0.1	660	<1	100	10	92	44
L98550E-45162.5N	72	181	10	0.1	950	<1	90	9	178	39
L98550E-45150N	49	173	20	0.1	740	<1	70	6	146	39
L98550E-45112.5N	39	125	<10	<0.1	730	<1	70	10	351	17
L98450E-45525N	17	152	<10	0.1	240	<1	20	16	75	105
L98450E-45512.5N	37	219	20	<0.1	400	<1	<10	7	153	76
*Dup L98850E-45600N	23	258	30	<0.1	320	2	50	24	56	99
*Dup L98850E-45350N	44	257	50	<0.1	370	3	60	24	25	106
*Dup L98650E-45375N	10	191	30	<0.1	230	<1	<10	7	89	188
*Dup L98650E-45125N	32	228	30	<0.1	820	<1	80	15	697	32
*Dup L98550E-45450N	26	249	20	<0.1	240	<1	<10	8	57	59
*Dup L98550E-45150N	43	156	10	<0.1	630	<1	90	8	137	28
*Std MMISRM14	18	35	10	35.2	80	<1	280	8	15	40
*Std MMISRM14	17	32	10	35.2	80	<1	270	8	12	40
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. 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
L98850E-45600N	100	240	8	3.8	2.7	57	9	32	<5	6
L98850E-45587.5N	100	520	8	4.0	2.0	99	8	19	14	11
L98850E-45575N	<100	420	3	1.7	0.6	82	2	7	<5	5
L98850E-45550N	<100	990	3	1.5	1.1	200	4	21	<5	2
L98850E-45512.5N	<100	570	14	7.8	2.9	65	11	32	<5	3
L98850E-45500N	<100	330	7	3.6	1.8	58	7	17	<5	3
L98850E-45487.5N	<100	220	10	4.8	2.9	33	11	36	<5	1
L98850E-45462.5N	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.
L98850E-45450N	<100	230	11	5.2	4.2	46	16	107	<5	5
L98850E-45437.5N	100	200	9	4.1	3.3	73	12	63	11	7
L98850E-45412.5N	<100	260	6	2.6	1.9	30	7	28	<5	4
L98850E-45375N	<100	340	23	12.8	7.0	31	30	79	<5	6
L98850E-45350N	<100	400	7	4.2	1.3	95	5	10	10	9
L98750E-45425E	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.
L98750E-45362.5N	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.
L98750E-45150N	<100	260	66	28.7	26.4	44	109	650	6	32
L98750E-45125N	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.
L98750E-45112.5N	<100	6780	12	6.2	4.8	229	19	102	5	91
L98750E-45100N	<100	860	6	3.4	2.2	21	9	60	<5	76
L98650E-45550N	<100	170	14	6.9	4.4	17	17	78	<5	1
L98650E-45500N	100	110	9	4.3	2.9	84	10	52	11	4
L98650E-45487.5N	<100	660	10	4.9	3.3	94	13	59	<5	3
L98650E-45450N	<100	620	11	5.5	4.2	71	17	69	6	4
L98650E-45400N	<100	260	44	17.8	21.8	66	83	458	6	2
L98650E-45375N	<100	390	12	5.8	2.7	56	10	23	6	2
L98650E-45362.5N	<100	180	13	5.4	4.7	32	18	68	5	1
L98650E-45337.5N	<100	300	33	16.1	18.4	8	66	454	<5	<1
L98650E-45325N	<100	310	8	4.3	2.8	17	10	26	<5	<1
L98650E-45312.5N	<100	840	16	7.6	6.4	205	24	125	5	5
L98650E-45300N	<100	150	7	3.9	1.5	46	5	14	<5	2
L98650E-45287.5N	<100	470	20	8.2	9.6	27	37	211	<5	3
L98650E-45275N	<100	410	41	15.4	19.5	26	72	517	<5	3
L98650E-45237.5N	<100	330	12	5.3	5.0	67	19	104	7	6
L98650E-45212.5N	100	140	7	2.9	2.5	52	9	52	7	5
L98650E-45187.5N	<100	180	19	9.9	5.2	27	20	69	<5	5
L98650E-45137.5N	<100	360	17	6.7	6.8	54	25	105	5	1
L98650E-45125N	<100	210	25	9.6	9.0	42	35	186	5	6
L98650E-45100N	100	810	32	17.5	13.2	222	55	262	23	19
L98650E-44950N	<100	290	<1	<0.5	<0.5	4	<1	2	<5	62
L98650E-44937.5N	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.
L98550E-45600N	<100	170	13	6.9	5.7	46	22	96	<5	38
L98550E-45587.5N	<100	330	30	10.2	11.4	19	44	180	<5	5
L98550E-45575N	<100	660	17	6.8	6.4	70	26	129	14	5
L98550E-45562.5N	<100	930	13	5.8	7.0	71	28	204	<5	50
L98550E-45550N	<100	1500	22	10.4	11.8	161	47	386	<5	41
L98550E-45500N	300	310	13	6.7	4.9	174	18	100	44	10
L98550E-45475N	<100	270	7	3.4	1.4	64	5	15	5	3
L98550E-45462.5N	<100	210	9	4.6	2.7	35	9	37	<5	2

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Final : 093661 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98550E-45450N	<100	170	7	3.7	1.8	61	6	23	5	1
L98550E-45375N	<100	810	9	4.4	3.9	231	15	111	<5	3
L98550E-45350N	<100	270	110	48.9	37.6	21	159	506	<5	5
L98550E-45337.5N	200	390	14	5.6	5.6	67	22	118	8	6
L98550E-45312.5N	<100	190	6	2.5	2.3	64	8	46	11	11
L98550E-45275N	<100	290	49	20.3	19.5	49	74	259	6	8
L98550E-45237.5N	<100	200	74	35.3	27.0	34	111	530	<5	5
L98550E-45225N	<100	290	10	4.7	3.8	52	14	71	10	5
L98550E-45200N	<100	110	8	3.9	2.8	21	10	56	<5	3
L98550E-45187.5N	100	270	7	3.6	2.5	100	9	61	21	6
L98550E-45175N	<100	240	6	2.7	2.3	39	8	53	7	7
L98550E-45162.5N	<100	190	14	6.6	4.5	49	17	95	8	7
L98550E-45150N	<100	190	7	3.6	3.0	68	11	56	9	5
L98550E-45112.5N	<100	110	29	13.7	9.8	17	38	177	13	14
L98450E-45525N	<100	300	9	4.4	2.7	43	10	33	<5	3
L98450E-45512.5N	<100	250	12	6.0	3.8	44	13	54	9	1
*Dup L98850E-45600N	100	230	8	4.1	2.5	66	9	34	7	6
*Dup L98850E-45350N	<100	430	7	3.6	1.5	90	6	14	9	6
*Dup L98650E-45375N	<100	460	8	4.4	1.9	76	7	15	6	2
*Dup L98650E-45125N	<100	230	24	9.2	8.3	50	32	185	8	6
*Dup L98550E-45450N	<100	140	9	4.1	2.3	73	8	28	7	1
*Dup L98550E-45150N	<100	160	8	3.4	3.1	49	11	51	6	5
*Std MMISRM14	<100	690	1	0.5	0.7	2	2	2	<5	40
*Std MMISRM14	<100	690	1	0.5	0.7	2	2	3	<5	39
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	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98850E-45600N	<5	4.3	35	253	610	<1	9	75	<1	29
L98850E-45587.5N	<5	3.1	26	414	1030	<1	6	139	2	30
L98850E-45575N	<5	1.4	6	194	340	<1	2	126	1	15
L98850E-45550N	<5	1.2	18	259	90	<1	5	90	2	19
L98850E-45512.5N	<5	1.0	43	251	890	<1	11	170	1	30
L98850E-45500N	<5	1.0	24	302	700	<1	6	96	2	27
L98850E-45487.5N	<5	0.7	43	269	670	<1	12	55	<1	30
L98850E-45462.5N	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.
L98850E-45450N	<5	2.4	85	230	420	<1	24	91	<1	30
L98850E-45437.5N	5	4.7	60	170	550	<1	16	120	1	35
L98850E-45412.5N	<5	1.4	30	292	320	<1	8	134	1	15
L98850E-45375N	<5	0.8	125	366	760	<1	30	115	<1	28
L98850E-45350N	<5	1.4	15	216	1110	<1	3	233	1	27
L98750E-45425E	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.
L98750E-45362.5N	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.
L98750E-45150N	<5	4.1	666	148	280	<1	199	82	1	72
L98750E-45125N	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.
L98750E-45112.5N	<5	3.2	111	609	110	<1	31	51	2	26
L98750E-45100N	<5	<0.5	59	188	30	<1	17	74	<1	8
L98650E-45550N	<5	<0.5	81	137	450	<1	23	128	<1	28
L98650E-45500N	<5	4.2	45	264	440	<1	13	107	2	33
L98650E-45487.5N	<5	1.0	62	329	310	<1	17	117	1	22
L98650E-45450N	<5	1.1	81	270	360	<1	22	67	1	21
L98650E-45400N	<5	2.9	523	219	550	<1	142	51	<1	56
L98650E-45375N	<5	1.9	34	186	600	<1	8	64	1	31
L98650E-45362.5N	<5	1.4	85	183	620	<1	23	85	<1	27
L98650E-45337.5N	<5	<0.5	476	50	370	<1	137	101	<1	39
L98650E-45325N	<5	<0.5	38	85	510	<1	9	44	1	23
L98650E-45312.5N	<5	3.1	136	221	20	<1	38	81	2	32
L98650E-45300N	<5	1.4	18	182	440	<1	5	79	<1	24
L98650E-45287.5N	<5	1.3	237	173	390	<1	66	109	1	33
L98650E-45275N	<5	1.3	467	156	500	<1	141	67	1	51
L98650E-45237.5N	<5	2.3	103	247	390	<1	30	108	2	25
L98650E-45212.5N	<5	2.5	43	254	330	<1	12	161	2	22
L98650E-45187.5N	<5	0.7	77	157	220	<1	21	148	1	44
L98650E-45137.5N	<5	0.9	127	187	320	<1	36	72	<1	23
L98650E-45125N	<5	2.1	172	201	350	<1	50	165	2	36
L98650E-45100N	<5	7.9	305	562	50	<1	82	98	3	49
L98650E-44950N	<5	<0.5	2	152	360	<1	<1	12	<1	<5
L98650E-44937.5N	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.
L98550E-45600N	<5	<0.5	133	142	80	<1	36	48	<1	10
L98550E-45587.5N	<5	0.7	206	201	390	<1	56	136	<1	34
L98550E-45575N	<5	2.2	141	477	880	<1	39	141	1	23
L98550E-45562.5N	<5	0.7	205	139	70	<1	59	125	1	15
L98550E-45550N	<5	1.0	364	167	140	<1	108	123	<1	24
L98550E-45500N	7	13.3	91	480	370	<1	26	124	2	74
L98550E-45475N	<5	3.7	19	181	560	<1	5	81	<1	21
L98550E-45462.5N	<5	2.1	39	186	730	<1	10	65	1	20

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Final : 093661 Order:

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98550E-45450N	<5	2.0	25	251	440	<1	7	64	1	24
L98550E-45375N	<5	2.5	91	429	70	<1	27	101	2	26
L98550E-45350N	<5	0.7	846	297	640	<1	220	138	1	98
L98550E-45337.5N	<5	2.2	118	319	740	<1	33	118	2	32
L98550E-45312.5N	<5	5.5	40	323	230	<1	11	154	1	22
L98550E-45275N	<5	2.2	361	268	580	<1	95	228	2	55
L98550E-45237.5N	<5	1.6	595	85	830	<1	163	137	<1	96
L98550E-45225N	<5	3.1	73	370	240	<1	20	125	2	29
L98550E-45200N	<5	1.2	48	234	200	<1	13	79	2	23
L98550E-45187.5N	<5	8.5	51	331	210	<1	14	70	3	37
L98550E-45175N	<5	2.2	43	262	310	<1	12	165	2	19
L98550E-45162.5N	<5	2.7	84	220	500	<1	23	136	2	31
L98550E-45150N	5	3.7	53	137	680	<1	15	137	1	25
L98550E-45112.5N	<5	3.7	191	110	570	<1	51	119	1	37
L98450E-45525N	<5	1.2	40	396	380	<1	10	153	1	27
L98450E-45512.5N	<5	2.4	59	324	340	<1	16	85	1	38
*Dup L98850E-45600N	<5	5.1	37	251	680	<1	10	79	<1	30
*Dup L98850E-45350N	<5	1.7	19	220	910	<1	5	227	1	28
*Dup L98650E-45375N	<5	2.3	25	207	470	<1	6	61	2	28
*Dup L98650E-45125N	<5	3.2	161	205	380	<1	48	164	2	36
*Dup L98550E-45450N	<5	1.9	31	189	540	<1	8	61	1	28
*Dup L98550E-45150N	<5	2.6	54	141	660	<1	14	138	1	21
*Std MMISRM14	32	<0.5	9	262	90	41	2	317	<1	7
*Std MMISRM14	32	<0.5	8	259	90	41	2	304	<1	6
Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98850E-45600N	8	<1	80	<1	2	<10	10.5	1970	<0.5	3
L98850E-45587.5N	7	<1	150	<1	2	<10	16.6	1240	<0.5	4
L98850E-45575N	2	<1	40	<1	<1	<10	10.4	427	<0.5	4
L98850E-45550N	4	<1	10	<1	<1	<10	10.7	387	<0.5	4
L98850E-45512.5N	11	<1	40	<1	3	<10	17.1	246	<0.5	7
L98850E-45500N	6	<1	20	<1	1	<10	11.9	368	<0.5	4
L98850E-45487.5N	9	<1	10	<1	2	<10	7.4	290	<0.5	3
L98850E-45462.5N	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.
L98850E-45450N	16	<1	70	<1	2	<10	11.8	1180	<0.5	4
L98850E-45437.5N	12	<1	90	<1	2	<10	23.4	2200	<0.5	7
L98850E-45412.5N	6	<1	70	<1	1	<10	8.0	508	<0.5	2
L98850E-45375N	27	<1	100	<1	5	<10	11.8	316	<0.5	2
L98850E-45350N	4	<1	180	<1	1	<10	6.5	592	<0.5	2
L98750E-45425E	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.
L98750E-45362.5N	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.
L98750E-45150N	117	<1	350	<1	17	<10	73.9	1150	<0.5	14
L98750E-45125N	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.
L98750E-45112.5N	21	<1	420	<1	3	<10	20.0	638	<0.5	9
L98750E-45100N	10	<1	520	<1	1	<10	5.5	36	<0.5	9
L98650E-45550N	16	<1	<10	<1	3	<10	10.4	124	<0.5	6
L98650E-45500N	10	<1	20	<1	2	<10	17.6	2100	<0.5	6
L98650E-45487.5N	14	<1	50	<1	2	<10	12.9	365	<0.5	6
L98650E-45450N	17	<1	90	<1	3	<10	12.4	474	<0.5	5
L98650E-45400N	93	<1	20	<1	12	<10	26.7	1700	<0.5	13
L98650E-45375N	9	<1	10	<1	2	<10	15.3	848	0.5	12
L98650E-45362.5N	17	<1	<10	<1	3	<10	13.6	684	<0.5	6
L98650E-45337.5N	75	<1	<10	<1	9	<10	4.8	60	<0.5	7
L98650E-45325N	9	<1	<10	<1	2	<10	12.7	134	<0.5	6
L98650E-45312.5N	27	<1	50	<1	4	<10	29.2	1280	0.5	12
L98650E-45300N	4	<1	20	<1	1	<10	6.2	600	<0.5	3
L98650E-45287.5N	42	<1	40	<1	5	<10	25.5	530	<0.5	10
L98650E-45275N	86	<1	30	<1	11	<10	36.7	574	<0.5	15
L98650E-45237.5N	20	<1	100	<1	3	<10	23.5	1130	<0.5	6
L98650E-45212.5N	9	<1	80	<1	2	<10	19.7	1120	<0.5	7
L98650E-45187.5N	18	<1	70	<1	4	<10	22.3	287	<0.5	8
L98650E-45137.5N	28	<1	10	<1	4	<10	17.6	350	<0.5	8
L98650E-45125N	37	<1	90	<1	6	<10	39.3	855	<0.5	13
L98650E-45100N	59	2	120	<1	8	<10	24.7	3070	0.5	15
L98650E-44950N	<1	<1	310	<1	<1	<10	<0.5	<3	<0.5	<1
L98550E-44937.5N	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.
L98550E-45600N	25	<1	230	<1	3	<10	8.5	30	<0.5	5
L98550E-45587.5N	46	<1	100	<1	7	<10	26.2	328	<0.5	9
L98550E-45575N	27	<1	70	<1	4	<10	19.1	920	<0.5	4
L98550E-45562.5N	33	<1	270	<1	4	<10	6.7	339	<0.5	12
L98550E-45550N	56	<1	280	<1	6	<10	10.8	408	<0.5	15
L98550E-45500N	18	2	120	<1	3	<10	32.1	7390	0.5	9
L98550E-45475N	4	<1	50	1	1	<10	8.3	1400	<0.5	3
L98550E-45462.5N	9	<1	<10	<1	2	<10	5.7	761	<0.5	4

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98550E-45450N	6	<1	20	<1	1	<10	7.9	917	<0.5	3
L98550E-45375N	17	<1	50	<1	2	<10	13.5	1170	<0.5	5
L98550E-45350N	167	<1	60	<1	26	<10	51.0	242	<0.5	24
L98550E-45337.5N	24	<1	70	<1	4	<10	34.8	1040	<0.5	9
L98550E-45312.5N	8	<1	140	<1	1	<10	11.2	2860	<0.5	4
L98550E-45275N	82	<1	220	<1	12	<10	45.4	799	<0.5	19
L98550E-45237.5N	114	<1	70	<1	18	<10	26.6	611	<0.5	14
L98550E-45225N	14	<1	60	<1	2	<10	16.0	1340	<0.5	7
L98550E-45200N	9	<1	40	<1	2	<10	4.2	493	<0.5	3
L98550E-45187.5N	10	2	60	<1	2	<10	15.2	4160	<0.5	6
L98550E-45175N	9	<1	120	<1	1	<10	14.3	1080	<0.5	5
L98550E-45162.5N	17	<1	210	<1	3	<10	21.8	1230	<0.5	7
L98550E-45150N	11	<1	170	<1	2	<10	19.6	1550	<0.5	6
L98550E-45112.5N	37	<1	70	<1	6	<10	19.1	603	<0.5	9
L98450E-45525N	10	<1	30	<1	2	<10	16.9	552	<0.5	9
L98450E-45512.5N	13	<1	20	<1	3	<10	21.4	1050	<0.5	10
*Dup L98850E-45600N	8	<1	80	<1	2	<10	11.1	2510	<0.5	4
*Dup L98850E-45350N	5	<1	130	<1	1	<10	7.7	703	<0.5	2
*Dup L98650E-45375N	6	<1	10	<1	<1	<10	15.1	995	0.6	11
*Dup L98650E-45125N	34	<1	80	<1	6	<10	42.9	1150	<0.5	13
*Dup L98550E-45450N	7	<1	20	<1	2	<10	8.9	1020	<0.5	3
*Dup L98550E-45150N	11	<1	190	<1	2	<10	16.4	1050	<0.5	5
*Std MMISRM14	3	<1	600	<1	<1	<10	14.3	<3	<0.5	35
*Std MMISRM14	2	<1	590	<1	<1	<10	14.7	<3	<0.5	37
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98850E-45600N	1	48	3	910	21
L98850E-45587.5N	<1	49	3	870	26
L98850E-45575N	<1	15	1	1150	14
L98850E-45550N	<1	16	1	120	16
L98850E-45512.5N	<1	71	6	1670	20
L98850E-45500N	<1	44	3	1150	17
L98850E-45487.5N	<1	61	3	710	14
L98850E-45462.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98850E-45450N	<1	71	4	240	22
L98850E-45437.5N	<1	52	3	220	36
L98850E-45412.5N	<1	34	2	1240	16
L98850E-45375N	<1	167	10	240	17
L98850E-45350N	<1	43	3	820	11
L98750E-45425E	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98750E-45362.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98750E-45150N	<1	412	21	90	86
L98750E-45125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98750E-45112.5N	<1	78	5	250	28
L98750E-45100N	<1	37	3	120	6
L98650E-45550N	<1	87	5	190	13
L98650E-45500N	<1	53	4	270	31
L98650E-45487.5N	<1	53	4	310	16
L98650E-45450N	<1	71	4	160	16
L98650E-45400N	<1	249	12	40	32
L98650E-45375N	<1	52	4	230	19
L98650E-45362.5N	<1	71	4	50	16
L98650E-45337.5N	<1	245	12	40	7
L98650E-45325N	<1	48	3	70	12
L98650E-45312.5N	<1	86	6	150	28
L98650E-45300N	<1	43	3	180	12
L98650E-45287.5N	<1	106	6	110	27
L98650E-45275N	<1	194	11	70	42
L98650E-45237.5N	<1	65	4	110	27
L98650E-45212.5N	<1	33	2	130	30
L98650E-45187.5N	<1	107	8	90	20
L98650E-45137.5N	<1	77	5	110	19
L98650E-45125N	<1	112	7	160	38
L98650E-45100N	<1	238	13	500	42
L98650E-44950N	<1	<5	<1	1740	<5
L98650E-44937.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98550E-45600N	<1	89	6	170	7
L98550E-45587.5N	<1	124	7	190	26
L98550E-45575N	<1	101	5	1030	22
L98550E-45562.5N	<1	86	4	40	10
L98550E-45550N	<1	154	8	100	15
L98550E-45500N	1	86	5	740	62
L98550E-45475N	3	42	2	440	15
L98550E-45462.5N	<1	61	4	130	12

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
L98550E-45450N	<1	38	3	30	15
L98550E-45375N	<1	53	3	40	19
L98550E-45350N	<1	654	33	160	32
L98550E-45337.5N	<1	67	4	370	35
L98550E-45312.5N	<1	31	2	760	22
L98550E-45275N	<1	233	14	320	39
L98550E-45237.5N	<1	495	26	120	31
L98550E-45225N	<1	58	4	690	25
L98550E-45200N	<1	52	3	210	11
L98550E-45187.5N	<1	43	3	460	40
L98550E-45175N	<1	35	2	540	21
L98550E-45162.5N	<1	82	5	390	28
L98550E-45150N	<1	40	3	280	29
L98550E-45112.5N	<1	196	9	360	20
L98450E-45525N	<1	48	3	560	20
L98450E-45512.5N	<1	68	4	390	28
*Dup L98850E-45600N	<1	48	3	940	23
*Dup L98850E-45350N	<1	38	3	640	14
*Dup L98650E-45375N	<1	45	2	200	20
*Dup L98650E-45125N	<1	105	6	200	42
*Dup L98550E-45450N	<1	47	3	30	18
*Dup L98550E-45150N	<1	40	2	310	23
*Std MMISRM14	<1	8	<1	370	11
*Std MMISRM14	<1	7	<1	300	11
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093562

To: **Geotronics Consulting Inc.**

Date: Jun 28, 2007

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

P.O. No. :
Project No. : DEFAULT
No. Of Samples 90
Date Submitted Jun 12, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

89 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General 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

Member of the SGS Group (Société Générale de Surveillance)



Final : 093562 Order:

Page 2 of 16

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
98600E-46725N	21	81	50	0.4	1030	<1	290	7	831	332
98600E-46750N	32	51	50	0.5	530	<1	220	6	689	151
98600E-46800N	9	39	170	<0.1	230	<1	560	52	67	411
98600E-46812.5N	20	25	<10	0.2	1020	<1	310	4	127	67
98600E-46825N	128	24	10	0.3	1270	<1	270	6	138	92
98600E-46837.5N	63	35	20	<0.1	640	<1	310	20	106	38
98600E-46850N	58	109	50	<0.1	500	2	180	14	73	93
98600E-46862.5N	92	41	40	0.6	1510	<1	340	19	342	195
98600E-46875N	83	59	<10	<0.1	1300	<1	290	19	27	37
98600E-46887.5N	67	188	20	0.3	430	<1	40	7	162	33
98600E-46900N	41	175	40	<0.1	510	2	50	15	170	65
98600E-46912.5N	44	127	30	0.1	1370	1	190	20	223	29
98600E-46925N	82	100	20	0.1	1180	<1	230	12	45	52
98600E-46937.5N	27	214	20	<0.1	570	<1	30	11	79	58
98600E-46950N	48	211	50	<0.1	1180	2	70	13	357	55
98600E-46962.5N	61	245	60	0.8	1150	2	40	9	113	83
98600E-46975N	34	225	40	1.5	1010	1	90	7	138	75
98600E-46987.5N	36	198	80	0.2	1270	2	110	13	557	61
98600E-47012.5N	20	279	40	<0.1	600	<1	<10	15	68	203
98600E-47025N	27	280	50	<0.1	1120	2	10	13	39	127
98600E-47037.5N	21	265	60	<0.1	1420	2	20	37	101	209
98600E-47050N	22	268	30	<0.1	390	<1	10	9	131	65
98600E-47087.5N	49	250	100	0.3	1180	3	90	9	1050	142
98600E-47350N	11	272	140	<0.1	470	4	30	24	162	502
98600E-47362.5N	10	107	<10	0.1	390	<1	140	22	81	128
98600E-47412.5N	10	231	30	0.2	250	2	<10	18	45	228
98600E-47425N	8	246	60	<0.1	190	1	<10	5	35	86
98600E-47437.5N	2	13	20	<0.1	70	<1	370	17	6	46
98600E-47450N	8	27	<10	<0.1	80	<1	290	14	16	63
98600E-47462.5N	<1	9	130	<0.1	120	<1	340	2	8	363
98600E-47500N	1	17	40	<0.1	90	<1	280	9	15	137
98600E-47512.5N	38	51	10	7.5	310	<1	330	16	51	152
98600E-47525N	38	223	70	0.3	1290	2	90	9	673	131
98600E-47537.5N	88	273	60	0.1	600	2	90	19	91	141
98600E-47562.5N	25	295	80	0.2	1360	2	20	9	369	90
98600E-47575N	46	201	60	0.1	1190	1	80	22	213	82
98600E-47587.5N	34	282	100	<0.1	1240	2	40	26	114	109
98600E-47600N	28	209	110	<0.1	620	4	110	18	106	229
98600E-47612.5N	82	87	10	0.2	1530	<1	270	10	77	52
98600E-47625N	32	232	40	<0.1	870	2	80	22	84	145
98600E-47637.5N	31	250	90	<0.1	830	4	40	26	77	283
98600E-47650N	48	214	90	0.1	930	3	120	23	108	170
98600E-47675N	12	220	40	<0.1	1310	2	60	33	70	87
98600E-47687.5N	28	210	10	<0.1	450	<1	20	18	41	47
98600E-47700N	25	211	60	<0.1	610	3	100	68	43	124
98500E-46562.5N	40	240	20	0.9	790	1	40	17	40	63
98500E-46575N	152	185	<10	0.2	400	<1	40	8	105	30
98500E-46600N	83	273	60	0.2	820	2	20	22	390	167

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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
98500E-46625N	116	216	20	0.2	420	<1	<10	14	146	68
98500E-46650N	68	244	30	0.1	800	<1	<10	12	136	74
98500E-46687.5N	72	232	30	<0.1	660	1	<10	11	66	77
98500E-46937.5N	67	185	80	0.2	900	1	60	6	109	154
98500E-47062.5N	45	225	20	0.1	340	1	20	21	199	163
98500E-47087.5N	2	190	20	<0.1	700	4	<10	7	6	367
98500E-47100N	33	255	30	<0.1	240	1	<10	21	290	134
98500E-47112.5N	33	246	30	<0.1	360	1	10	26	146	115
98500E-47350N	162	13	20	0.3	320	<1	380	32	101	318
98500E-47362.5N	97	57	<10	0.2	650	<1	300	21	120	112
98500E-47375N	140	53	<10	0.5	260	<1	340	21	38	12
98500E-47387.5N	64	26	<10	0.8	410	<1	320	13	176	139
98500E-47412.5N	243	11	20	0.7	610	<1	270	4	17	72
98500E-47425N	57	184	60	<0.1	630	2	140	21	79	100
98500E-47462.5N	72	187	20	<0.1	570	<1	100	21	54	62
98500E-47512.5N	21	243	30	<0.1	230	<1	<10	19	45	220
98500E-47525N	44	242	50	<0.1	330	2	20	24	58	157
98500E-47612.5N	326	109	240	0.8	730	6	120	10	1540	893
98500E-47637.5N	64	233	70	<0.1	880	2	40	12	117	94
98500E-47687.5N	174	207	30	0.2	510	1	10	20	180	70
98950E-45600N	44	215	20	<0.1	390	<1	30	72	62	78
98950E-45575N	8	139	60	<0.1	440	8	100	68	33	149
98950E-45550N	29	194	100	<0.1	1080	1	20	73	25	324
98950E-45537.5N	20	190	20	<0.1	460	1	70	44	25	42
98950E-45525N	8	204	50	<0.1	630	2	60	101	22	121
98950E-45512.5N	15	175	30	<0.1	460	2	110	58	195	244
98950E-45500N	26	210	70	<0.1	410	5	70	119	312	347
98950E-45475N	33	19	40	0.1	370	<1	400	57	184	466
98950E-45450N	10	24	<10	<0.1	480	<1	430	46	78	138
98950E-45400N	25	16	<10	0.3	1040	<1	490	6	116	34
98950E-45387.5N	17	25	<10	0.1	810	<1	480	31	40	97
98950E-45350N	11	42	10	0.4	1010	<1	420	8	566	29
98950E-45337.5N	34	14	<10	0.2	790	<1	450	12	70	146
98950E-45325N	14	9	<10	0.4	980	<1	480	5	104	143
98600E-47100N	23	232	40	0.3	470	2	<10	6	1670	46
98600E-47137.5N	66	184	30	0.3	800	<1	<10	5	288	65
98600E-47125N	23	204	40	<0.1	800	<1	60	15	170	94
98600E-47150N	21	230	120	0.1	710	5	60	26	332	342
98600E-47162.5N	26	251	50	<0.1	460	2	30	17	325	151
98600E-46737.5N	18	108	40	0.2	560	1	150	6	890	222
98600E-47150N	6	21	<10	0.5	100	<1	340	22	15	25
*Dup 98600E-46725N	20	53	30	0.5	830	<1	280	6	722	222
*Dup 98600E-46925N	64	85	20	0.3	910	<1	210	9	50	40
*Dup 98600E-47362.5N	8	97	<10	<0.1	390	<1	120	21	64	131
*Dup 98600E-47587.5N	29	233	80	<0.1	1040	2	30	28	99	83
*Dup 98500E-46625N	114	193	20	0.2	380	<1	<10	13	150	59
*Dup 98500E-47412.5N	268	11	10	0.7	710	<1	270	4	15	87
*Dup 98950E-45525N	11	220	80	<0.1	780	3	60	99	32	136

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Final : 093562 Order:

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
*Dup 98600E-47125N	20	220	50	<0.1	850	2	40	18	179	147
*Std MMISRM14	18	49	10	34.1	70	<1	270	10	32	78
*Std MMISRM14	17	40	10	43.4	70	<1	230	8	14	50
*Std MMISRM14	18	40	<10	45.1	80	<1	220	8	13	52
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
98950E-45487.5N	44	102	20	<0.1	380	<1	270	87	27	60

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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
98600E-46725N	100	1290	41	20.1	16.5	71	70	290	<5	74
98600E-46750N	<100	1690	29	13.1	13.2	26	56	249	<5	60
98600E-46800N	<100	840	12	5.9	5.3	42	22	78	<5	117
98600E-46812.5N	<100	470	8	3.4	3.9	13	16	39	<5	74
98600E-46825N	<100	630	13	5.1	6.1	10	25	63	<5	66
98600E-46837.5N	<100	190	11	4.8	4.6	9	19	38	<5	87
98600E-46850N	<100	310	8	4.0	3.5	57	13	55	<5	38
98600E-46862.5N	<100	2010	68	33.7	25.7	16	113	258	<5	95
98600E-46875N	<100	310	8	4.0	3.3	7	13	28	<5	68
98600E-46887.5N	<100	210	20	10.2	5.9	23	23	56	<5	11
98600E-46900N	<100	270	29	15.8	8.9	43	35	84	<5	10
98600E-46912.5N	<100	880	68	35.9	22.5	24	96	237	<5	45
98600E-46925N	<100	320	7	3.5	2.8	18	10	28	<5	46
98600E-46937.5N	<100	190	13	6.6	3.5	34	13	30	<5	5
98600E-46950N	200	450	41	20.7	14.7	71	56	149	5	11
98600E-46962.5N	100	380	18	8.9	4.6	106	18	45	15	10
98600E-46975N	200	350	14	7.0	4.2	93	16	44	11	15
98600E-46987.5N	200	640	65	31.2	23.7	79	99	315	<5	15
98600E-47012.5N	100	460	12	5.8	2.7	40	10	28	<5	3
98600E-47025N	<100	460	11	5.9	2.0	77	8	20	7	4
98600E-47037.5N	<100	470	15	7.5	3.1	71	13	22	<5	4
98600E-47050N	<100	470	20	9.3	5.8	43	23	51	<5	3
98600E-47087.5N	300	1050	70	31.5	27.1	83	108	347	6	14
98600E-47350N	200	770	24	12.4	6.3	132	25	71	12	10
98600E-47362.5N	<100	1290	43	29.9	6.8	37	31	48	<5	35
98600E-47412.5N	<100	1090	19	14.7	2.2	89	9	24	<5	3
98600E-47425N	100	580	4	2.3	1.2	128	4	17	<5	2
98600E-47437.5N	<100	1690	1	0.7	0.6	14	2	6	<5	38
98600E-47450N	<100	1070	2	0.9	0.9	11	3	10	<5	32
98600E-47462.5N	<100	2000	<1	0.5	0.6	19	2	9	<5	37
98600E-47500N	<100	720	2	1.2	0.8	73	3	12	<5	31
98600E-47512.5N	<100	1060	4	2.0	1.7	22	7	19	<5	50
98600E-47525N	300	440	27	13.1	8.2	93	31	81	7	10
98600E-47537.5N	200	390	11	5.1	3.0	91	12	38	10	8
98600E-47562.5N	200	510	25	10.5	7.0	71	26	62	<5	3
98600E-47575N	200	450	15	6.6	4.7	43	18	55	<5	7
98600E-47587.5N	100	510	12	5.4	3.6	65	14	31	<5	6
98600E-47600N	300	510	24	11.5	8.6	97	34	82	8	18
98600E-47612.5N	<100	500	21	9.6	7.8	14	33	75	<5	42
98600E-47625N	100	310	15	8.3	3.9	105	16	34	11	13
98600E-47637.5N	100	640	11	5.7	2.6	104	10	21	11	9
98600E-47650N	100	570	11	5.5	3.3	76	13	39	7	15
98600E-47675N	<100	330	11	5.8	2.3	58	10	25	<5	10
98600E-47687.5N	<100	190	9	4.4	2.6	34	10	24	<5	3
98600E-47700N	<100	590	9	4.9	1.8	38	7	16	<5	15
98500E-46562.5N	<100	260	9	4.1	2.2	61	9	28	8	8
98500E-46575N	<100	590	20	9.2	6.3	20	24	50	<5	3
98500E-46600N	200	1050	23	10.5	7.0	63	28	77	<5	5

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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
98500E-46625N	<100	400	27	14.4	6.5	27	26	51	<5	<1
98500E-46650N	<100	440	21	9.1	4.5	36	17	40	<5	1
98500E-46687.5N	100	210	14	7.6	3.0	76	12	23	10	3
98500E-46937.5N	<100	560	13	6.7	3.6	82	14	47	6	13
98500E-47062.5N	<100	690	22	8.9	5.3	29	21	45	<5	5
98500E-47087.5N	<100	30	<1	0.6	<0.5	125	<1	3	<5	6
98500E-47100N	<100	900	44	21.3	10.9	43	42	91	<5	1
98500E-47112.5N	<100	430	26	12.6	7.3	39	30	70	<5	5
98500E-47350N	<100	4510	8	4.0	3.4	9	15	37	9	70
98500E-47362.5N	<100	720	24	10.2	10.1	10	43	100	<5	30
98500E-47375N	<100	120	9	5.3	2.2	3	11	17	<5	70
98500E-47387.5N	<100	1410	5	2.5	2.8	10	11	34	<5	32
98500E-47412.5N	<100	4220	19	7.8	10.1	3	46	96	<5	47
98500E-47425N	100	340	9	4.8	3.1	94	12	36	15	14
98500E-47462.5N	<100	210	8	4.3	2.5	45	9	23	7	9
98500E-47512.5N	100	260	8	3.9	2.2	68	8	18	7	3
98500E-47525N	100	370	14	6.7	4.3	103	16	59	14	5
98500E-47612.5N	200	1710	290	136	121	42	507	2450	<5	27
98500E-47637.5N	100	260	13	6.6	3.6	113	15	45	11	5
98500E-47687.5N	<100	550	15	7.1	4.6	35	16	47	<5	1
98950E-45600N	<100	290	8	4.0	1.7	38	7	19	<5	6
98950E-45575N	100	240	5	3.0	1.8	123	7	21	<5	14
98950E-45550N	<100	360	2	1.8	0.7	190	2	11	16	9
98950E-45537.5N	<100	230	4	2.0	1.1	53	4	14	<5	9
98950E-45525N	<100	350	5	3.4	0.8	114	3	10	10	14
98950E-45512.5N	<100	930	27	14.0	7.0	68	29	74	<5	19
98950E-45500N	100	1600	29	14.2	7.7	111	32	61	10	12
98950E-45475N	<100	11800	6	3.3	2.5	22	10	41	<5	80
98950E-45450N	<100	570	11	6.0	2.9	8	14	24	<5	73
98950E-45400N	<100	2270	32	15.8	10.1	5	47	65	<5	119
98950E-45387.5N	<100	780	14	9.3	2.8	4	15	17	<5	60
98950E-45350N	<100	380	46	22.2	15.1	25	67	148	<5	151
98950E-45337.5N	<100	1080	17	9.2	4.2	4	22	28	<5	91
98950E-45325N	<100	3270	16	8.2	4.7	4	22	31	<5	119
98600E-47100N	100	870	73	29.3	23.2	33	91	227	<5	2
98600E-47137.5N	<100	1680	56	25.8	13.0	64	54	177	<5	5
98600E-47125N	<100	280	13	6.0	3.2	49	13	29	8	10
98600E-47150N	<100	1400	29	12.9	6.5	94	29	61	7	15
98600E-47162.5N	200	1080	35	17.5	9.9	87	40	106	13	7
98600E-46737.5N	100	1010	22	10.0	9.1	80	35	180	<5	37
98600E-47150N	<100	1880	3	2.0	1.4	9	6	14	<5	34
*Dup 98600E-46725N	<100	1060	37	17.7	15.1	43	65	258	<5	74
*Dup 98600E-46925N	<100	300	6	3.1	2.6	23	10	26	<5	42
*Dup 98600E-47362.5N	<100	1220	34	26.6	5.4	43	20	37	<5	35
*Dup 98600E-47587.5N	<100	470	12	5.4	3.3	50	13	25	8	6
*Dup 98500E-46625N	<100	390	27	14.0	6.6	24	27	52	<5	<1
*Dup 98500E-47412.5N	<100	4220	19	7.6	9.5	2	44	86	<5	50
*Dup 98950E-45525N	100	380	5	3.8	1.0	142	4	15	16	15

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
*Dup 98600E-47125N	<100	310	14	7.0	3.3	70	13	27	12	11
*Std MMISRM14	<100	820	3	1.3	1.4	9	6	10	<5	39
*Std MMISRM14	<100	720	2	0.9	1.1	2	4	3	<5	33
*Std MMISRM14	<100	740	2	0.8	1.0	2	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
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
98950E-45487.5N	<100	360	5	2.6	1.3	33	6	11	<5	20

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
98600E-46725N	<5	1.5	386	310	190	<1	85	44	2	58
98600E-46750N	6	1.0	317	237	130	<1	71	38	2	49
98600E-46800N	6	<0.5	102	645	1310	<1	22	62	7	25
98600E-46812.5N	<5	<0.5	70	74	140	<1	13	25	1	19
98600E-46825N	<5	<0.5	108	104	120	<1	20	87	1	20
98600E-46837.5N	<5	0.8	70	249	230	<1	13	208	1	18
98600E-46850N	<5	3.2	67	282	490	<1	15	97	2	31
98600E-46862.5N	<5	<0.5	430	267	360	<1	82	136	1	59
98600E-46875N	<5	<0.5	49	175	250	<1	9	137	<1	17
98600E-46887.5N	<5	0.8	90	91	700	<1	19	86	1	38
98600E-46900N	<5	2.6	143	201	830	<1	28	97	2	57
98600E-46912.5N	<5	0.9	381	378	680	<1	77	132	2	70
98600E-46925N	<5	1.1	41	125	260	<1	8	104	1	21
98600E-46937.5N	<5	1.6	47	377	540	<1	9	129	2	35
98600E-46950N	<5	3.3	252	197	790	<1	50	104	3	74
98600E-46962.5N	6	5.8	69	401	640	<1	14	120	3	54
98600E-46975N	6	6.8	63	363	360	<1	13	132	3	51
98600E-46987.5N	<5	4.8	471	294	640	<1	97	164	3	105
98600E-47012.5N	<5	1.9	39	349	600	<1	8	126	2	37
98600E-47025N	<5	2.5	26	342	950	<1	5	133	2	37
98600E-47037.5N	<5	2.5	42	557	690	<1	8	193	4	34
98600E-47050N	<5	2.2	92	178	450	<1	19	196	1	44
98600E-47087.5N	<5	5.0	527	236	960	<1	112	148	3	113
98600E-47350N	5	6.5	103	431	610	<1	22	199	5	63
98600E-47362.5N	<5	<0.5	88	411	250	<1	17	139	<1	57
98600E-47412.5N	<5	1.3	31	187	740	<1	7	109	2	37
98600E-47425N	<5	1.7	17	143	140	<1	4	85	2	34
98600E-47437.5N	6	<0.5	8	161	50	<1	2	5	3	9
98600E-47450N	10	<0.5	16	242	20	<1	3	9	<1	9
98600E-47462.5N	9	<0.5	11	396	30	<1	2	9	1	10
98600E-47500N	7	<0.5	16	225	80	<1	3	6	4	14
98600E-47512.5N	11	0.8	28	366	210	9	6	93	1	17
98600E-47525N	<5	5.1	123	197	1190	<1	26	163	2	78
98600E-47537.5N	<5	4.4	43	418	760	<1	9	195	3	43
98600E-47562.5N	<5	3.6	96	144	1340	<1	20	143	2	65
98600E-47575N	<5	2.8	67	228	570	<1	15	154	3	47
98600E-47587.5N	<5	2.0	48	380	980	<1	10	159	6	35
98600E-47600N	<5	2.9	140	541	1210	<1	28	134	4	45
98600E-47612.5N	<5	<0.5	127	140	510	<1	25	149	2	22
98600E-47625N	<5	3.6	57	471	910	<1	11	124	3	41
98600E-47637.5N	<5	3.2	34	449	1050	<1	7	143	4	38
98600E-47650N	<5	2.6	50	515	1920	<1	10	137	4	39
98600E-47675N	<5	2.1	34	464	890	<1	7	101	2	29
98600E-47687.5N	<5	1.8	34	302	480	<1	7	129	2	26
98600E-47700N	<5	1.5	22	466	2030	<1	5	185	3	26
98500E-46562.5N	<5	2.2	34	352	690	<1	7	71	2	30
98500E-46575N	<5	1.3	86	93	530	<1	17	151	2	37
98500E-46600N	<5	3.2	112	306	1290	<1	24	161	3	55

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
98500E-46625N	<5	1.3	91	156	1100	<1	18	170	1	59
98500E-46650N	<5	2.1	58	179	790	<1	12	122	1	46
98500E-46687.5N	<5	3.4	42	207	760	<1	8	136	1	38
98500E-46937.5N	<5	2.5	58	228	650	<1	13	102	3	37
98500E-47062.5N	<5	1.2	71	410	570	<1	15	186	2	38
98500E-47087.5N	<5	1.8	3	231	30	<1	<1	70	1	21
98500E-47100N	<5	2.0	152	189	1070	<1	31	188	1	82
98500E-47112.5N	<5	2.0	127	338	970	<1	25	105	2	38
98500E-47350N	10	<0.5	61	566	60	<1	12	52	1	8
98500E-47362.5N	<5	<0.5	169	221	220	<1	34	91	1	25
98500E-47375N	<5	<0.5	28	215	100	<1	5	85	1	12
98500E-47387.5N	12	<0.5	54	240	80	<1	11	65	1	10
98500E-47412.5N	<5	<0.5	185	69	40	<1	30	74	<1	13
98500E-47425N	6	5.2	47	440	1170	<1	10	159	3	35
98500E-47462.5N	<5	3.3	31	354	580	<1	6	141	2	27
98500E-47512.5N	<5	2.8	29	383	450	<1	6	134	2	25
98500E-47525N	<5	4.4	76	510	720	<1	17	150	3	38
98500E-47612.5N	<5	3.4	2730	383	800	<1	700	196	3	340
98500E-47637.5N	<5	5.2	59	397	800	<1	12	97	5	38
98500E-47687.5N	<5	2.4	66	153	740	<1	14	142	2	37
98950E-45600N	<5	1.3	23	432	3130	<1	5	140	3	29
98950E-45575N	<5	6.3	28	243	1540	<1	6	66	2	33
98950E-45550N	<5	6.4	10	511	380	<1	2	111	3	37
98950E-45537.5N	<5	1.5	16	328	730	<1	3	144	3	18
98950E-45525N	<5	4.2	10	316	1040	<1	2	251	3	34
98950E-45512.5N	<5	2.2	112	310	2750	<1	24	224	2	49
98950E-45500N	<5	4.1	117	497	3190	<1	23	258	2	62
98950E-45475N	12	0.7	60	739	80	<1	13	40	1	10
98950E-45450N	<5	<0.5	40	362	410	<1	8	37	<1	7
98950E-45400N	<5	<0.5	125	168	130	<1	23	42	<1	9
98950E-45387.5N	<5	<0.5	32	280	180	<1	6	40	<1	6
98950E-45350N	<5	1.0	286	148	140	<1	57	38	<1	26
98950E-45337.5N	<5	<0.5	50	220	340	<1	9	24	<1	7
98950E-45325N	<5	<0.5	59	164	140	<1	10	17	<1	8
98600E-47100N	<5	2.6	386	55	4130	<1	80	168	2	81
98600E-47137.5N	<5	1.3	229	106	1340	<1	52	52	1	77
98600E-47125N	<5	2.2	43	689	940	<1	9	103	2	38
98600E-47150N	<5	2.8	98	432	2460	<1	20	99	3	39
98600E-47162.5N	<5	5.4	159	234	730	<1	32	205	2	79
98600E-46737.5N	<5	2.5	218	105	190	<1	51	57	2	48
98600E-47150N	<5	<0.5	23	216	50	<1	4	13	3	<5
*Dup 98600E-46725N	<5	0.9	344	242	180	<1	76	38	1	45
*Dup 98600E-46925N	<5	1.3	39	131	230	<1	8	101	1	12
*Dup 98600E-47362.5N	<5	<0.5	70	345	230	<1	14	137	<1	47
*Dup 98600E-47587.5N	<5	2.8	44	333	1050	<1	9	156	5	26
*Dup 98500E-46625N	<5	1.4	97	141	1150	<1	19	166	1	51
*Dup 98500E-47412.5N	<5	<0.5	165	63	30	<1	27	72	<1	9
*Dup 98950E-45525N	<5	7.7	15	352	1170	<1	3	246	3	42

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
*Dup 98600E-47125N	<5	3.0	44	725	1080	<1	9	96	2	42
*Std MMISRM14	28	<0.5	21	294	180	37	4	243	1	6
*Std MMISRM14	34	<0.5	13	265	150	49	2	283	1	9
*Std MMISRM14	34	<0.5	11	271	150	49	2	277	<1	7
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
98950E-45487.5N	<5	1.7	17	505	800	<1	3	200	2	14

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
98600E-46725N	71	<1	300	<1	8	<10	31.1	308	<0.5	9
98600E-46750N	59	<1	280	<1	6	<10	25.6	314	<0.5	11
98600E-46800N	21	<1	470	<1	2	<10	2.9	66	0.6	6
98600E-46812.5N	16	<1	450	<1	2	<10	6.2	56	<0.5	10
98600E-46825N	25	<1	390	<1	3	<10	7.2	162	<0.5	8
98600E-46837.5N	18	<1	280	<1	2	<10	7.5	159	<0.5	4
98600E-46850N	13	1	190	<1	2	<10	7.9	1570	<0.5	4
98600E-46862.5N	100	<1	520	<1	13	<10	30.7	105	<0.5	14
98600E-46875N	12	<1	300	<1	2	<10	2.8	81	<0.5	6
98600E-46887.5N	21	<1	70	<1	3	<10	11.1	364	<0.5	6
98600E-46900N	32	<1	90	<1	5	<10	15.1	1200	<0.5	8
98600E-46912.5N	85	<1	310	<1	12	<10	25.5	330	<0.5	14
98600E-46925N	10	<1	250	<1	1	<10	4.0	500	<0.5	3
98600E-46937.5N	11	<1	90	<1	2	<10	6.8	758	0.5	3
98600E-46950N	54	<1	110	<1	7	<10	26.0	1660	<0.5	14
98600E-46962.5N	15	1	80	<1	3	<10	13.8	2990	<0.5	8
98600E-46975N	15	1	130	<1	2	<10	16.9	3640	<0.5	8
98600E-46987.5N	98	1	210	<1	12	<10	46.2	2570	<0.5	10
98600E-47012.5N	9	<1	30	<1	2	<10	18.9	794	<0.5	5
98600E-47025N	6	<1	70	<1	1	<10	9.2	1200	<0.5	4
98600E-47037.5N	10	<1	80	<1	2	<10	13.7	1220	<0.5	5
98600E-47050N	20	<1	50	<1	3	<10	14.3	1210	<0.5	5
98600E-47087.5N	113	<1	150	<1	13	<10	71.0	2270	0.9	15
98600E-47350N	23	2	100	<1	4	<10	21.6	4020	0.8	11
98600E-47362.5N	23	<1	260	<1	5	<10	15.1	103	<0.5	14
98600E-47412.5N	7	<1	40	<1	2	<10	7.0	541	<0.5	5
98600E-47425N	4	<1	20	<1	<1	<10	9.4	816	<0.5	3
98600E-47437.5N	2	<1	190	<1	<1	<10	0.7	15	<0.5	13
98600E-47450N	3	<1	160	<1	<1	<10	0.6	14	<0.5	8
98600E-47462.5N	2	<1	190	<1	<1	<10	0.8	14	<0.5	6
98600E-47500N	3	<1	160	<1	<1	<10	1.1	25	<0.5	12
98600E-47512.5N	6	<1	270	<1	<1	<10	6.1	359	<0.5	11
98600E-47525N	30	<1	160	<1	5	<10	54.5	2580	0.6	8
98600E-47537.5N	10	1	110	<1	2	<10	19.4	2520	<0.5	6
98600E-47562.5N	25	<1	50	<1	4	<10	39.3	1780	<0.5	12
98600E-47575N	16	<1	100	<1	3	<10	27.9	1630	<0.5	10
98600E-47587.5N	12	<1	80	<1	2	<10	21.4	1020	<0.5	6
98600E-47600N	32	1	120	<1	4	<10	17.6	1650	<0.5	6
98600E-47612.5N	30	<1	250	<1	4	<10	7.6	194	<0.5	8
98600E-47625N	14	<1	120	<1	2	<10	13.0	2180	<0.5	4
98600E-47637.5N	9	<1	110	<1	2	<10	14.0	1800	<0.5	4
98600E-47650N	12	1	130	<1	2	<10	23.6	1380	<0.5	4
98600E-47675N	8	<1	120	<1	2	<10	12.9	1140	<0.5	4
98600E-47687.5N	8	<1	50	<1	1	<10	8.1	1010	<0.5	4
98600E-47700N	6	<1	170	<1	1	<10	12.6	857	<0.5	5
98500E-46562.5N	7	<1	110	<1	1	<10	8.6	1190	<0.5	4
98500E-46575N	22	<1	130	<1	3	<10	12.3	373	<0.5	6
98500E-46600N	26	<1	70	<1	4	<10	43.5	1560	0.5	9

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
98500E-46625N	21	<1	20	<1	4	<10	12.2	704	<0.5	8
98500E-46650N	15	<1	10	<1	3	<10	21.9	1230	0.5	9
98500E-46687.5N	10	<1	50	<1	2	<10	12.2	1800	<0.5	5
98500E-46937.5N	13	<1	140	<1	2	<10	11.3	1290	<0.5	5
98500E-47062.5N	19	<1	60	<1	4	<10	14.5	651	<0.5	7
98500E-47087.5N	<1	<1	100	<1	<1	<10	3.3	827	0.6	1
98500E-47100N	38	<1	10	<1	7	<10	29.9	972	<0.5	10
98500E-47112.5N	26	<1	50	<1	4	<10	13.9	960	<0.5	5
98500E-47350N	13	<1	270	<1	2	<10	3.3	20	0.9	8
98500E-47362.5N	40	<1	270	<1	5	<10	7.4	76	<0.5	9
98500E-47375N	8	<1	230	<1	1	<10	2.5	23	<0.5	6
98500E-47387.5N	12	<1	250	<1	1	<10	4.7	69	<0.5	7
98500E-47412.5N	42	<1	310	<1	4	<10	2.4	15	<0.5	3
98500E-47425N	11	2	130	<1	2	<10	14.9	3290	<0.5	5
98500E-47462.5N	8	<1	110	<1	1	<10	9.2	1770	<0.5	4
98500E-47512.5N	7	<1	40	<1	1	<10	7.5	1560	<0.5	2
98500E-47525N	15	1	60	<1	2	<10	10.9	2190	<0.5	4
98500E-47612.5N	530	<1	360	<1	57	<10	73.7	1220	1.0	26
98500E-47637.5N	13	1	80	<1	2	<10	15.1	3470	<0.5	6
98500E-47687.5N	15	<1	40	<1	2	<10	25.7	1410	<0.5	7
98950E-45600N	6	<1	80	<1	1	<10	15.2	714	<0.5	6
98950E-45575N	6	3	170	<1	<1	<10	8.7	3800	<0.5	2
98950E-45550N	2	2	130	<1	<1	<10	11.1	3380	<0.5	5
98950E-45537.5N	4	<1	130	<1	<1	<10	8.9	617	<0.5	3
98950E-45525N	2	1	140	<1	<1	<10	14.4	2830	<0.5	4
98950E-45512.5N	27	<1	140	<1	4	<10	37.0	725	<0.5	7
98950E-45500N	30	1	100	<1	5	<10	44.2	1960	<0.5	7
98950E-45475N	10	<1	310	<1	1	<10	9.9	35	0.6	19
98950E-45450N	10	<1	430	<1	2	<10	3.5	17	<0.5	5
98950E-45400N	36	<1	580	<1	6	<10	12.5	12	<0.5	29
98950E-45387.5N	9	<1	510	<1	2	<10	2.0	<3	<0.5	13
98950E-45350N	66	<1	540	<1	8	<10	38.5	55	<0.5	11
98950E-45337.5N	14	<1	530	<1	3	<10	3.6	4	<0.5	12
98950E-45325N	16	<1	770	<1	3	<10	7.0	6	<0.5	10
98600E-47100N	89	<1	40	<1	13	<10	52.0	1490	0.8	12
98600E-47137.5N	50	<1	140	<1	9	<10	21.9	596	0.9	10
98600E-47125N	11	<1	160	<1	2	<10	22.5	1060	<0.5	6
98600E-47150N	23	<1	140	<1	5	<10	27.6	1070	<0.5	9
98600E-47162.5N	35	1	50	<1	6	<10	32.1	3200	0.5	10
98600E-46737.5N	40	<1	190	<1	4	<10	32.6	861	<0.5	14
98600E-47150N	5	<1	180	<1	<1	<10	1.1	17	<0.5	7
*Dup 98600E-46725N	65	<1	290	<1	7	<10	28.2	228	<0.5	9
*Dup 98600E-46925N	9	<1	220	<1	1	<10	4.6	674	<0.5	4
*Dup 98600E-47362.5N	18	<1	250	<1	4	<10	12.6	129	<0.5	14
*Dup 98600E-47587.5N	11	<1	80	<1	2	<10	18.0	933	<0.5	6
*Dup 98500E-46625N	22	<1	20	<1	4	<10	11.2	651	<0.5	8
*Dup 98500E-47412.5N	38	<1	330	<1	4	<10	2.8	10	<0.5	3
*Dup 98950E-45525N	3	2	140	<1	<1	<10	16.8	3550	0.5	4

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
*Dup 98600E-47125N	11	<1	150	<1	2	<10	24.3	1480	<0.5	7
*Std MMISRM14	5	<1	420	<1	<1	<10	15.4	<3	<0.5	30
*Std MMISRM14	4	<1	440	<1	<1	<10	18.0	<3	<0.5	38
*Std MMISRM14	4	<1	430	<1	<1	<10	17.7	<3	<0.5	37
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
98950E-45487.5N	4	<1	280	<1	<1	<10	6.0	987	<0.5	3

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
98600E-46725N	<1	197	15	110	51
98600E-46750N	<1	145	10	70	47
98600E-46800N	<1	74	4	2210	24
98600E-46812.5N	<1	36	2	50	13
98600E-46825N	<1	63	3	60	16
98600E-46837.5N	<1	56	3	290	15
98600E-46850N	<1	40	3	240	29
98600E-46862.5N	<1	334	24	600	82
98600E-46875N	<1	44	3	430	11
98600E-46887.5N	<1	102	7	90	26
98600E-46900N	<1	159	12	190	38
98600E-46912.5N	<1	381	26	130	36
98600E-46925N	<1	36	2	120	15
98600E-46937.5N	<1	62	5	140	22
98600E-46950N	<1	210	16	220	64
98600E-46962.5N	<1	86	7	160	52
98600E-46975N	<1	64	6	190	55
98600E-46987.5N	<1	318	22	350	89
98600E-47012.5N	<1	47	4	570	46
98600E-47025N	<1	49	4	380	30
98600E-47037.5N	<1	65	6	1550	35
98600E-47050N	<1	88	7	170	37
98600E-47087.5N	<1	294	23	140	153
98600E-47350N	<1	111	8	2360	53
98600E-47362.5N	<1	256	22	440	17
98600E-47412.5N	<1	89	11	840	24
98600E-47425N	<1	16	2	360	32
98600E-47437.5N	<1	10	<1	520	<5
98600E-47450N	<1	12	<1	200	6
98600E-47462.5N	<1	7	<1	210	6
98600E-47500N	<1	14	<1	170	7
98600E-47512.5N	<1	23	2	250	13
98600E-47525N	<1	105	10	130	122
98600E-47537.5N	<1	45	4	380	50
98600E-47562.5N	<1	90	8	180	84
98600E-47575N	<1	58	5	300	60
98600E-47587.5N	<1	49	4	910	45
98600E-47600N	3	111	9	390	42
98600E-47612.5N	<1	97	7	240	19
98600E-47625N	<1	76	6	1200	35
98600E-47637.5N	<1	50	4	1630	37
98600E-47650N	<1	48	4	1340	52
98600E-47675N	<1	53	4	2350	32
98600E-47687.5N	<1	42	3	400	24
98600E-47700N	<1	40	4	4600	27
98500E-46562.5N	<1	42	3	890	29
98500E-46575N	2	83	6	130	27
98500E-46600N	<1	89	8	1030	74

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
98500E-46625N	<1	132	10	310	31
98500E-46650N	<1	70	7	200	43
98500E-46687.5N	<1	65	6	130	35
98500E-46937.5N	<1	61	5	190	33
98500E-47062.5N	<1	75	6	970	31
98500E-47087.5N	<1	<5	<1	650	14
98500E-47100N	<1	177	15	840	58
98500E-47112.5N	<1	129	9	260	35
98500E-47350N	<1	56	3	100	10
98500E-47362.5N	<1	108	7	360	19
98500E-47375N	<1	64	4	190	9
98500E-47387.5N	<1	28	2	250	11
98500E-47412.5N	<1	123	5	60	12
98500E-47425N	<1	41	3	780	41
98500E-47462.5N	<1	40	3	880	31
98500E-47512.5N	<1	36	3	900	30
98500E-47525N	<1	60	5	1250	39
98500E-47612.5N	1	1410	98	180	144
98500E-47637.5N	<1	58	5	760	46
98500E-47687.5N	<1	60	5	470	51
98950E-45600N	<1	31	3	12200	34
98950E-45575N	<1	26	2	6600	36
98950E-45550N	<1	12	2	7580	47
98950E-45537.5N	<1	18	1	6750	22
98950E-45525N	<1	22	3	9430	33
98950E-45512.5N	<1	116	11	7110	56
98950E-45500N	<1	112	11	4460	60
98950E-45475N	<1	41	3	350	12
98950E-45450N	<1	54	5	1290	<5
98950E-45400N	<1	145	11	150	11
98950E-45387.5N	<1	72	7	260	<5
98950E-45350N	<1	210	15	50	42
98950E-45337.5N	<1	79	6	100	<5
98950E-45325N	<1	77	6	50	5
98600E-47100N	<1	253	20	80	89
98600E-47137.5N	<1	219	17	60	37
98600E-47125N	<1	50	5	390	37
98600E-47150N	<1	120	9	490	52
98600E-47162.5N	<1	163	12	710	77
98600E-46737.5N	<1	90	8	70	61
98600E-47150N	<1	24	1	670	<5
*Dup 98600E-46725N	<1	178	13	100	39
*Dup 98600E-46925N	<1	30	2	170	15
*Dup 98600E-47362.5N	<1	211	20	430	15
*Dup 98600E-47587.5N	<1	47	4	870	39
*Dup 98500E-46625N	<1	131	10	300	27
*Dup 98500E-47412.5N	<1	115	5	<20	10
*Dup 98950E-45525N	<1	25	3	8910	46

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Final : 093562 Order:

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
*Dup 98600E-47125N	<1	57	5	400	45
*Std MMISRM14	<1	15	<1	370	13
*Std MMISRM14	<1	9	<1	320	13
*Std MMISRM14	<1	8	<1	320	11
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5
98950E-45487.5N	<1	21	2	4770	13

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Certificate of Analysis

Work Order: 093823

To: **Geotronics Consulting Inc.**

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

Date: Jul 24, 2007

P.O. No. :
Project No. : DEFAULT
No. Of Samples : 85
Date Submitted : Jun 28, 2007
Report Comprises : Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

85 Soils

Certified By

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98250E-45587.5N	15	171	80	0.1	1250	<1	190	12	304	123
L98250E-45575N	19	183	20	<0.1	1100	<1	210	34	90	119
L98250E-45562.5N	14	173	20	<0.1	1030	<1	200	7	251	78
L98250E-45550N	13	224	30	0.1	2060	<1	190	5	321	37
L98250E-45537.5N	20	152	20	<0.1	1050	<1	250	9	157	28
L98250E-45525N	16	70	<10	<0.1	930	<1	330	29	67	37
L98250E-45512.5N	19	152	<10	<0.1	570	<1	90	10	74	31
L98250E-45500N	17	170	20	<0.1	800	<1	90	24	55	37
L98250E-45475N	15	184	30	<0.1	730	<1	90	8	244	35
L98250E-45462.5N	18	214	40	<0.1	650	<1	140	10	197	48
L98250E-45450N	13	205	20	<0.1	580	<1	40	9	78	39
L98250E-45437.5N	17	255	40	<0.1	950	<1	70	11	382	43
L98250E-45425N	18	262	30	<0.1	580	<1	50	11	62	82
L98250E-45412.5N	24	224	20	<0.1	1100	<1	120	10	143	40
L98250E-454350N	8	227	80	<0.1	710	4	140	37	154	101
L98250E-45300N	15	>300	40	<0.1	670	3	50	31	55	97
L98250E-45287.5N	11	273	50	<0.1	660	1	30	7	216	105
L98250E-45250N	17	236	60	<0.1	690	2	100	26	72	216
L98250E-45237.5N	6	>300	40	<0.1	350	1	30	25	26	229
L98150E-45600N	6	298	40	<0.1	440	<1	20	19	108	60
L98150E-45587.5N	14	108	<10	<0.1	470	<1	190	15	133	6
L98150E-45575N	11	111	30	0.1	1440	<1	190	4	214	29
L98150E-45562.5N	30	194	20	<0.1	1350	<1	120	19	114	101
L98150E-45550N	12	240	20	<0.1	460	<1	40	19	83	95
L98150E-45537.5N	29	180	40	0.1	1100	<1	40	8	224	121
L98150E-45512.5N	5	271	30	<0.1	470	2	40	24	68	151
L98150E-45500N	5	191	20	<0.1	910	<1	30	21	191	241
L98150E-45475N	9	289	20	<0.1	360	<1	<10	20	89	204
L98150E-45462.5N	7	296	40	<0.1	240	2	10	34	68	177
L98150E-45450N	6	>300	40	<0.1	300	2	10	30	84	244
L98150E-45412.5N	14	207	30	<0.1	480	1	140	35	42	60
L98150E-45400N	4	281	30	<0.1	380	4	60	62	22	413
L98150E-45325N	32	98	20	0.1	1160	<1	240	16	2710	16
L98150E-45312.5N	22	219	10	<0.1	530	<1	120	18	157	43
L98150E-45300N	17	282	40	0.5	740	<1	50	19	100	47
L98150E-45275N	17	274	80	<0.1	470	1	130	52	44	133
L98150E-45237.5N	1	4	10	<0.1	100	<1	390	9	17	57
L98150E-45212.5N	<1	2	<10	<0.1	90	<1	390	3	<5	51
L98150E-44950N	21	235	20	<0.1	400	<1	30	11	47	51
L98150E-44937.5N	14	191	10	<0.1	210	<1	140	14	215	31
L98150E-44925N	9	229	40	<0.1	410	<1	90	11	124	28
L98150E-44912.5N	7	259	60	<0.1	710	8	80	83	28	120
L98150E-44900N	16	222	50	<0.1	640	2	200	42	61	132
L98150E-44887.5N	10	241	20	<0.1	310	<1	50	11	93	58
L98150E-44875N	17	248	60	<0.1	680	3	90	21	391	91
L98150E-44862.5N	33	142	<10	<0.1	260	<1	70	17	73	39
L98150E-44850N	12	213	10	<0.1	270	<1	40	16	75	40
L98150E-44837.5N	16	223	10	<0.1	230	<1	20	10	92	37

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Final : 093823 Order:

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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
L98150E-44825N	22	139	<10	0.1	300	<1	40	8	198	20
L98150E-44812.5N	17	269	20	<0.1	340	<1	40	12	57	44
L98150E-44800N	21	219	10	<0.1	220	<1	30	11	73	29
L98050E-45600N	32	214	20	0.1	840	<1	100	11	160	62
L98050E-45587.5N	25	157	10	<0.1	1160	<1	210	12	69	37
L98050E-45575N	7	129	20	<0.1	1000	<1	190	31	1520	98
L98050E-45562.5N	10	245	10	<0.1	570	<1	40	14	151	33
L98050E-45525N	14	287	30	<0.1	970	<1	30	11	577	53
L98050E-45475N	10	162	50	<0.1	570	1	260	21	74	44
L98050E-45387.5N	20	229	<10	<0.1	150	<1	40	7	66	29
L98050E-45375N	15	94	<10	<0.1	440	<1	280	29	31	19
L98050E-45367.5N	13	164	20	<0.1	790	<1	180	8	215	39
L98050E-45350N	17	219	10	<0.1	280	<1	80	22	36	37
L98050E-45337.5N	18	148	<10	<0.1	400	<1	130	9	80	33
L98050E-45325N	6	258	40	<0.1	890	2	80	49	317	78
L98050E-45312.5N	8	284	40	<0.1	580	2	70	18	130	84
L98050E-45275N	4	132	70	<0.1	570	1	190	5	95	149
L98050E-45262.5N	6	221	30	<0.1	220	<1	10	4	297	39
L98050E-45250N	6	253	20	<0.1	610	<1	30	20	72	93
L98050E-45237.5N	10	>300	90	<0.1	630	2	20	19	76	159
L98050E-45225N	9	283	30	<0.1	810	<1	50	28	116	120
L98050E-45212.5N	10	>300	100	<0.1	660	<1	<10	15	93	126
L98050E-45200N	6	>300	100	<0.1	290	<1	10	16	62	44
L98050E-44975N	13	>300	130	<0.1	430	3	30	21	118	301
L98050E-44962.5N	25	280	30	<0.1	320	<1	20	21	59	111
L98050E-44950N	19	189	20	<0.1	460	<1	<10	10	89	35
L98050E-44912.5N	2	32	90	<0.1	180	3	270	98	30	681
L98050E-44887.5N	21	263	30	<0.1	380	<1	90	16	49	123
L98050E-44875N	29	268	80	<0.1	360	3	90	31	101	255
L98050E-44862.5N	43	274	30	0.4	880	<1	70	19	56	189
L98050E-44850N	<1	55	20	<0.1	280	17	100	29	17	261
L98050E-44837.5N	36	293	20	<0.1	320	<1	30	25	41	101
L98050E-44825N	31	294	50	<0.1	1200	<1	70	22	120	109
L98050E-44812.5N	20	283	30	<0.1	310	<1	40	24	52	135
L98050E-44800N	22	242	60	<0.1	530	3	140	44	62	244
L98450E-45037.5N	5	161	60	<0.1	330	10	70	92	98	270
L98450E-45075N	24	202	20	<0.1	450	<1	40	9	102	308
*Dup L98250E-45587.5N	18	179	60	<0.1	1140	<1	200	19	256	92
*Dup L98250E-45425N	19	274	30	<0.1	580	<1	50	12	63	96
*Dup L98150E-45537.5N	30	170	30	0.1	1140	<1	20	7	166	114
*Dup L98150E-45237.5N	1	4	<10	<0.1	140	<1	410	11	17	57
*Dup L98150E-44825N	33	142	<10	<0.1	310	<1	30	5	237	24
*Dup L98050E-45350N	16	232	20	<0.1	320	<1	70	25	30	36
*Dup L98050E-44962.5N	21	294	30	<0.1	320	<1	20	28	52	127
*Dup L98450E-45075N	26	197	20	0.1	390	<1	50	7	127	354
*Std MMISRM14	17	26	20	43.6	70	<1	280	8	13	34
*Std MMISRM14	16	27	10	43.3	60	<1	280	8	13	35
*Std MMISRM14	16	25	10	41.5	50	<1	270	8	13	35

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Final : 093873 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
*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
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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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
L98250E-45587.5N	100	580	23	10.3	9.0	54	36	144	13	26
L98250E-45575N	<100	360	9	4.7	2.7	39	12	32	11	25
L98250E-45562.5N	<100	420	18	8.0	7.7	48	30	123	12	20
L98250E-45550N	100	550	18	8.2	8.1	61	31	160	23	30
L98250E-45537.5N	<100	420	15	6.7	7.2	28	29	118	7	31
L98250E-45525N	<100	1730	7	3.3	3.1	9	13	43	<5	46
L98250E-45512.5N	<100	200	10	5.0	3.7	12	14	46	<5	4
L98250E-45500N	<100	330	7	3.5	2.3	16	9	25	<5	4
L98250E-45475N	<100	230	10	4.8	3.6	34	14	64	6	5
L98250E-45462.5N	<100	280	7	3.1	2.4	41	9	33	7	6
L98250E-45450N	<100	140	10	4.8	2.9	28	11	30	6	3
L98250E-45437.5N	<100	260	12	5.1	3.4	43	13	38	8	5
L98250E-45425N	<100	150	7	3.2	2.3	32	8	25	9	3
L98250E-45412.5N	<100	340	15	7.1	4.9	24	19	55	7	17
L98250E-454350N	<100	500	11	5.4	3.4	65	14	46	11	11
L98250E-45300N	<100	1160	9	4.6	2.3	73	9	28	19	7
L98250E-45287.5N	100	350	11	5.1	4.7	113	17	106	11	3
L98250E-45250N	<100	350	8	3.7	2.4	71	9	37	<5	10
L98250E-45237.5N	<100	390	7	4.3	1.4	86	5	8	<5	9
L98150E-45600N	<100	260	11	5.4	2.6	46	11	20	6	2
L98150E-45587.5N	<100	230	28	17.1	6.4	5	29	99	<5	19
L98150E-45575N	<100	400	9	4.3	4.2	62	17	96	<5	38
L98150E-45562.5N	<100	410	11	5.6	3.3	30	14	40	5	20
L98150E-45550N	<100	380	11	5.8	3.1	51	12	49	6	5
L98150E-45537.5N	<100	440	16	7.8	4.8	63	19	68	<5	2
L98150E-45512.5N	<100	260	10	4.7	2.7	48	11	25	5	3
L98150E-45500N	<100	910	17	9.6	4.3	100	17	51	<5	9
L98150E-45475N	<100	280	9	4.4	2.6	31	10	30	<5	<1
L98150E-45462.5N	<100	370	12	7.3	2.7	67	10	26	<5	2
L98150E-45450N	<100	300	10	5.4	2.3	81	10	23	6	4
L98150E-45412.5N	<100	350	6	3.1	1.7	48	7	17	5	12
L98150E-45400N	<100	760	8	5.8	0.9	156	4	6	<5	20
L98150E-45325N	<100	830	106	42.2	60.6	9	240	1040	<5	45
L98150E-45312.5N	<100	260	9	4.2	3.1	27	12	49	9	9
L98150E-45300N	<100	330	8	4.1	3.0	64	11	53	16	5
L98150E-45275N	<100	540	5	2.7	1.5	110	6	28	8	14
L98150E-45237.5N	<100	5470	5	3.2	1.6	5	8	11	<5	24
L98150E-45212.5N	<100	210	<1	<0.5	<0.5	2	<1	<1	<5	44
L98150E-44950N	<100	230	6	3.2	1.8	59	6	17	9	3
L98150E-44937.5N	<100	150	9	3.9	3.3	22	12	43	<5	4
L98150E-44925N	<100	140	7	3.6	3.0	52	10	41	10	4
L98150E-44912.5N	<100	530	9	5.7	1.6	101	7	10	10	17
L98150E-44900N	<100	300	5	2.8	1.9	104	7	26	18	19
L98150E-44887.5N	<100	190	10	5.1	2.9	34	11	29	<5	3
L98150E-44875N	100	350	12	5.2	3.9	56	15	58	9	6
L98150E-44862.5N	<100	240	11	5.8	2.5	9	10	25	<5	8
L98150E-44850N	<100	210	9	4.7	3.4	19	12	38	<5	2
L98150E-44837.5N	<100	140	9	4.1	3.2	24	11	32	<5	1

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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
L98150E-44825N	<100	100	13	6.0	4.7	12	17	72	<5	2
L98150E-44812.5N	<100	240	7	3.8	2.5	45	9	23	<5	4
L98150E-44800N	<100	130	8	4.1	3.2	21	12	34	<5	2
L98050E-45600N	<100	320	11	5.0	4.0	28	16	63	<5	10
L98050E-45587.5N	<100	320	6	3.0	2.1	13	9	41	<5	14
L98050E-45575N	<100	780	184	88.7	72.2	28	297	992	<5	28
L98050E-45562.5N	<100	210	13	5.5	4.7	35	17	74	<5	2
L98050E-45525N	<100	620	38	16.9	14.4	46	59	220	<5	4
L98050E-45475N	<100	280	5	2.4	1.8	54	7	47	<5	18
L98050E-45387.5N	<100	140	8	4.2	2.6	34	10	28	<5	2
L98050E-45375N	<100	220	2	1.0	0.8	22	3	12	<5	30
L98050E-45367.5N	<100	240	7	3.2	3.1	30	12	59	<5	12
L98050E-45350N	<100	290	5	2.3	1.5	33	6	15	<5	5
L98050E-45337.5N	<100	120	6	2.8	2.3	14	8	35	<5	5
L98050E-45325N	<100	390	20	9.1	6.0	52	25	89	10	9
L98050E-45312.5N	<100	170	10	4.4	3.5	49	12	35	6	4
L98050E-45275N	<100	200	5	2.2	2.0	165	7	37	24	24
L98050E-45262.5N	<100	130	14	6.4	6.5	49	22	106	<5	<1
L98050E-45250N	<100	180	8	4.0	2.6	34	9	25	6	1
L98050E-45237.5N	100	260	7	3.7	2.7	162	9	39	14	3
L98050E-45225N	<100	200	9	4.2	3.2	61	12	48	9	4
L98050E-45212.5N	200	170	7	3.8	2.9	111	9	37	11	2
L98050E-45200N	<100	140	6	3.6	2.0	140	6	22	6	1
L98050E-44975N	100	480	8	4.5	2.6	98	9	32	15	3
L98050E-44962.5N	<100	270	7	3.5	2.5	40	8	21	5	2
L98050E-44950N	<100	120	9	4.6	2.6	19	9	23	<5	<1
L98050E-44912.5N	<100	590	3	2.2	0.9	25	3	8	5	49
L98050E-44887.5N	<100	220	6	3.4	2.0	84	7	17	12	12
L98050E-44875N	100	560	9	4.7	3.0	94	11	33	25	9
L98050E-44862.5N	<100	210	7	3.6	2.0	56	7	18	17	15
L98050E-44850N	<100	80	1	1.3	<0.5	30	1	7	<5	30
L98050E-44837.5N	<100	170	7	3.2	1.9	42	7	11	10	3
L98050E-44825N	<100	270	10	4.9	3.7	97	13	56	22	9
L98050E-44812.5N	<100	170	9	5.3	2.4	63	8	14	14	4
L98050E-44800N	<100	560	7	3.5	2.1	104	9	26	15	11
L98450E-45037.5N	<100	400	10	5.8	2.2	135	10	25	6	13
L98450E-45075N	<100	1020	24	12.0	8.8	100	36	139	10	9
*Dup L98250E-45587.5N	<100	440	27	12.3	10.3	39	42	146	11	25
*Dup L98250E-45425N	<100	180	7	3.4	2.2	44	8	27	13	4
*Dup L98150E-45537.5N	<100	470	15	8.5	3.6	63	16	46	7	3
*Dup L98150E-45237.5N	<100	5230	5	3.1	1.7	6	8	11	<5	22
*Dup L98150E-44825N	<100	80	12	5.2	4.5	17	17	86	<5	2
*Dup L98050E-45350N	<100	350	5	2.8	1.5	47	6	12	<5	7
*Dup L98050E-44962.5N	<100	280	7	3.6	2.2	40	8	19	<5	2
*Dup L98450E-45075N	<100	1090	26	12.2	10.5	114	43	183	<5	6
*Std MMISRM14	<100	710	<1	<0.5	0.6	2	2	1	<5	35
*Std MMISRM14	<100	700	<1	<0.5	0.5	2	2	1	<5	35
*Std MMISRM14	<100	700	<1	<0.5	0.6	2	2	2	<5	34

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
*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
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98250E-45587.5N	<5	4.8	223	258	230	<1	45	155	2	34
L98250E-45575N	<5	2.1	54	489	670	<1	10	192	<1	17
L98250E-45562.5N	<5	2.5	194	209	330	<1	39	159	1	24
L98250E-45550N	<5	5.5	216	180	230	<1	45	135	2	42
L98250E-45537.5N	<5	1.8	189	197	320	<1	37	147	1	17
L98250E-45525N	<5	<0.5	75	414	320	<1	14	77	<1	<5
L98250E-45512.5N	<5	0.5	72	184	490	<1	14	142	<1	17
L98250E-45500N	<5	0.7	39	425	720	<1	8	210	1	15
L98250E-45475N	<5	1.9	81	159	440	<1	17	158	2	22
L98250E-45462.5N	<5	2.4	45	328	280	<1	9	108	<1	16
L98250E-45450N	<5	1.6	51	328	410	<1	10	95	1	18
L98250E-45437.5N	<5	2.7	63	268	370	<1	13	142	2	26
L98250E-45425N	<5	2.0	39	406	430	<1	8	88	1	16
L98250E-45412.5N	<5	1.1	97	390	550	<1	19	106	<1	20
L98250E-454350N	<5	2.9	72	559	1770	<1	14	167	2	21
L98250E-45300N	<5	4.5	42	370	1050	<1	8	76	<1	24
L98250E-45287.5N	6	5.5	123	358	420	<1	28	118	2	32
L98250E-45250N	<5	2.0	49	520	830	<1	10	82	1	16
L98250E-45237.5N	<5	2.2	17	274	580	<1	3	45	<1	20
L98150E-45600N	<5	1.6	44	417	910	<1	8	102	1	24
L98150E-45587.5N	<5	<0.5	132	250	300	<1	26	136	<1	53
L98150E-45575N	<5	3.4	125	187	120	<1	27	129	1	17
L98150E-45562.5N	<5	1.1	64	606	580	<1	12	210	<1	20
L98150E-45550N	<5	2.2	65	281	840	<1	13	97	<1	25
L98150E-45537.5N	<5	1.3	94	203	780	<1	20	117	1	31
L98150E-45512.5N	<5	1.6	46	351	900	<1	9	113	1	26
L98150E-45500N	<5	1.1	81	377	230	<1	17	128	<1	29
L98150E-45475N	<5	0.7	47	347	530	<1	10	85	<1	19
L98150E-45462.5N	<5	1.3	45	363	830	<1	9	89	1	21
L98150E-45450N	<5	3.3	43	435	800	<1	8	92	1	22
L98150E-45412.5N	<5	1.4	28	630	780	<1	5	199	<1	14
L98150E-45400N	<5	1.6	13	556	1950	<1	2	72	<1	28
L98150E-45325N	<5	<0.5	1840	408	310	<1	381	143	<1	36
L98150E-45312.5N	<5	1.5	67	506	640	<1	14	167	<1	15
L98150E-45300N	<5	5.3	64	485	450	<1	13	129	<1	23
L98150E-45275N	<5	7.5	31	309	920	<1	6	89	1	17
L98150E-45237.5N	6	<0.5	29	291	70	<1	5	10	<1	<5
L98150E-45212.5N	<5	<0.5	1	69	60	<1	<1	23	<1	<5
L98150E-44950N	<5	2.3	26	304	230	<1	5	193	<1	18
L98150E-44937.5N	<5	1.0	64	331	160	<1	13	205	<1	15
L98150E-44925N	<5	6.2	57	316	230	<1	12	123	2	26
L98150E-44912.5N	<5	7.1	19	439	3670	<1	3	56	2	29
L98150E-44900N	<5	11.0	35	375	780	<1	7	85	1	30
L98150E-44887.5N	<5	1.7	49	565	320	<1	10	64	<1	21
L98150E-44875N	<5	4.4	83	514	860	<1	18	101	2	25
L98150E-44862.5N	<5	<0.5	42	310	330	<1	8	161	<1	15
L98150E-44850N	<5	1.8	58	551	410	<1	11	102	<1	21
L98150E-44837.5N	<5	1.4	53	320	200	<1	10	70	1	19

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98150E-44825N	<5	1.2	99	90	300	<1	21	155	<1	19
L98150E-44812.5N	<5	2.6	41	410	410	<1	8	100	1	19
L98150E-44800N	<5	1.3	61	401	260	<1	12	110	1	19
L98050E-45600N	<5	1.2	91	354	490	<1	19	154	<1	17
L98050E-45587.5N	<5	<0.5	45	320	560	<1	9	85	<1	10
L98050E-45575N	<5	0.7	1860	430	380	<1	383	160	<1	149
L98050E-45562.5N	<5	1.8	100	261	510	<1	20	125	<1	19
L98050E-45525N	<5	2.7	374	127	1340	<1	76	110	<1	39
L98050E-45475N	<5	2.1	42	458	500	<1	9	100	<1	14
L98050E-45387.5N	<5	1.0	49	388	380	<1	9	61	2	16
L98050E-45375N	<5	<0.5	18	222	190	<1	3	225	<1	5
L98050E-45367.5N	<5	0.8	76	204	460	<1	17	130	1	14
L98050E-45350N	<5	0.6	25	273	440	<1	5	166	<1	13
L98050E-45337.5N	<5	<0.5	48	143	180	<1	10	108	1	12
L98050E-45325N	<5	3.1	138	487	1010	<1	28	135	2	27
L98050E-45312.5N	<5	3.5	59	245	820	<1	11	96	<1	23
L98050E-45275N	6	14.8	48	246	190	<1	11	103	1	25
L98050E-45262.5N	<5	3.8	140	159	180	<1	31	107	<1	29
L98050E-45250N	<5	2.5	45	223	430	<1	9	198	<1	17
L98050E-45237.5N	6	13.6	50	306	520	<1	10	33	2	31
L98050E-45225N	<5	4.4	64	409	470	<1	13	160	1	24
L98050E-45212.5N	6	7.8	51	179	370	<1	11	86	1	35
L98050E-45200N	<5	6.2	33	271	210	<1	7	25	1	24
L98050E-44975N	<5	7.6	45	385	770	<1	10	115	2	29
L98050E-44962.5N	<5	2.9	38	272	510	<1	7	109	<1	18
L98050E-44950N	<5	1.1	45	138	890	<1	9	72	<1	17
L98050E-44912.5N	<5	<0.5	15	718	2070	<1	3	42	<1	6
L98050E-44887.5N	7	7.5	32	512	460	<1	6	53	<1	21
L98050E-44875N	7	6.9	56	807	1030	<1	11	134	2	32
L98050E-44862.5N	<5	2.7	33	335	710	<1	6	109	<1	16
L98050E-44850N	5	0.6	7	512	1490	<1	2	86	<1	7
L98050E-44837.5N	<5	1.7	28	415	570	<1	5	105	<1	15
L98050E-44825N	5	8.6	71	662	490	<1	15	168	2	28
L98050E-44812.5N	<5	2.4	32	204	430	<1	6	143	<1	24
L98050E-44800N	<5	5.7	39	416	1880	<1	8	134	2	24
L98450E-45037.5N	5	3.2	44	245	2580	<1	9	263	1	32
L98450E-45075N	<5	2.0	209	330	260	<1	44	120	1	30
*Dup L98250E-45587.5N	<5	2.9	232	319	290	<1	47	164	2	35
*Dup L98250E-45425N	<5	2.8	40	430	470	<1	8	92	1	19
*Dup L98150E-45537.5N	<5	1.9	68	188	780	<1	14	126	1	34
*Dup L98150E-45237.5N	6	<0.5	31	284	70	<1	5	8	1	<5
*Dup L98150E-44825N	<5	1.7	107	73	240	<1	23	144	<1	19
*Dup L98050E-45350N	<5	1.3	23	273	500	<1	4	191	<1	14
*Dup L98050E-44962.5N	<5	2.4	35	297	570	<1	7	102	<1	19
*Dup L98450E-45075N	6	2.8	277	300	250	<1	57	110	2	31
*Std MMISRM14	33	<0.5	9	211	60	39	1	282	<1	<5
*Std MMISRM14	32	<0.5	9	214	60	38	1	282	<1	<5
*Std MMISRM14	34	0.5	9	214	70	36	2	273	<1	<5

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98250E-45587.5N	37	<1	280	<1	5	<10	21.5	1540	<0.5	7
L98250E-45575N	10	<1	310	<1	2	<10	8.7	838	<0.5	3
L98250E-45562.5N	32	<1	250	<1	4	<10	11.8	937	<0.5	4
L98250E-45550N	35	<1	280	<1	4	<10	21.2	2020	0.6	8
L98250E-45537.5N	31	<1	320	<1	4	<10	8.3	709	<0.5	4
L98250E-45525N	13	<1	400	<1	2	<10	1.7	84	<0.5	3
L98250E-45512.5N	13	<1	110	<1	2	<10	4.0	180	<0.5	2
L98250E-45500N	8	<1	100	<1	1	<10	5.1	313	<0.5	4
L98250E-45475N	14	<1	120	<1	2	<10	15.9	881	<0.5	4
L98250E-45462.5N	8	<1	240	<1	1	<10	13.0	1060	<0.5	3
L98250E-45450N	9	<1	70	<1	2	<10	6.0	703	<0.5	3
L98250E-45437.5N	13	<1	100	<1	2	<10	32.4	1310	<0.5	7
L98250E-45425N	7	<1	60	<1	1	<10	6.6	893	<0.5	2
L98250E-45412.5N	19	<1	170	<1	3	<10	9.4	495	<0.5	3
L98250E-454350N	14	1	140	<1	2	<10	15.7	1130	<0.5	5
L98250E-45300N	8	<1	100	<1	2	<10	9.0	1900	<0.5	3
L98250E-45287.5N	19	1	30	<1	2	<10	14.8	3180	<0.5	5
L98250E-45250N	9	<1	160	<1	1	<10	7.0	1100	<0.5	2
L98250E-45237.5N	4	<1	160	<1	1	<10	4.3	1080	<0.5	1
L98150E-45600N	9	<1	30	<1	2	<10	11.0	853	<0.5	5
L98150E-45587.5N	23	<1	180	<1	5	<10	8.4	<3	<0.5	12
L98150E-45575N	18	<1	250	<1	2	<10	14.9	1690	<0.5	5
L98150E-45562.5N	12	<1	160	<1	2	<10	11.3	492	<0.5	4
L98150E-45550N	11	<1	70	<1	2	<10	8.2	1020	<0.5	4
L98150E-45537.5N	18	<1	60	<1	3	<10	12.1	545	0.5	6
L98150E-45512.5N	9	<1	80	<1	2	<10	9.9	687	<0.5	4
L98150E-45500N	16	<1	130	<1	3	<10	19.4	378	0.7	7
L98150E-45475N	9	<1	<10	<1	2	<10	9.3	271	<0.5	3
L98150E-45462.5N	9	<1	20	<1	2	<10	7.2	470	<0.5	3
L98150E-45450N	8	<1	30	<1	2	<10	12.6	1590	<0.5	3
L98150E-45412.5N	6	<1	200	<1	1	<10	6.9	559	<0.5	2
L98150E-45400N	3	<1	170	<1	<1	<10	6.8	752	<0.5	3
L98150E-45325N	283	<1	320	<1	28	<10	16.2	83	<0.5	24
L98150E-45312.5N	11	<1	100	<1	2	<10	7.8	636	<0.5	3
L98150E-45300N	11	1	60	<1	2	<10	9.1	2530	<0.5	3
L98150E-45275N	5	1	400	<1	<1	<10	7.0	3490	<0.5	3
L98150E-45237.5N	6	<1	270	<1	<1	<10	<0.5	<3	<0.5	14
L98150E-45212.5N	<1	<1	250	<1	<1	<10	<0.5	<3	<0.5	<1
L98150E-44950N	5	<1	70	<1	1	<10	5.6	931	<0.5	4
L98150E-44937.5N	12	<1	90	<1	2	<10	8.4	363	<0.5	3
L98150E-44925N	10	<1	100	<1	2	<10	8.1	2950	<0.5	4
L98150E-44912.5N	5	2	260	<1	1	<10	7.7	3130	<0.5	2
L98150E-44900N	6	2	250	<1	1	<10	8.4	4920	<0.5	2
L98150E-44887.5N	9	<1	90	<1	2	<10	6.7	693	<0.5	3
L98150E-44875N	15	<1	90	<1	3	<10	28.9	1500	<0.5	6
L98150E-44862.5N	8	<1	120	<1	2	<10	4.1	83	<0.5	2
L98150E-44850N	11	<1	30	1	2	<10	5.2	306	<0.5	3
L98150E-44837.5N	10	<1	20	<1	2	<10	7.1	356	<0.5	5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98150E-44825N	17	<1	30	<1	3	<10	13.8	348	<0.5	5
L98150E-44812.5N	8	<1	70	<1	1	<10	4.7	1050	<0.5	3
L98150E-44800N	11	<1	30	<1	2	<10	5.7	516	<0.5	3
L98050E-45600N	16	<1	160	<1	2	<10	15.4	470	<0.5	4
L98050E-45587.5N	8	<1	300	<1	1	<10	5.8	177	<0.5	2
L98050E-45575N	316	<1	360	<1	39	<10	31.8	192	<0.5	27
L98050E-45562.5N	17	<1	60	<1	3	<10	10.8	760	<0.5	4
L98050E-45525N	61	<1	140	<1	8	<10	27.2	1170	<0.5	7
L98050E-45475N	7	<1	360	<1	1	<10	6.8	1040	<0.5	2
L98050E-45387.5N	9	2	40	<1	1	<10	4.7	445	<0.5	2
L98050E-45375N	3	<1	370	<1	<1	<10	2.8	153	<0.5	3
L98050E-45367.5N	12	<1	210	<1	2	<10	9.8	312	<0.5	3
L98050E-45350N	5	<1	130	<1	1	<10	5.2	182	<0.5	3
L98050E-45337.5N	8	<1	140	<1	1	<10	5.2	161	<0.5	3
L98050E-45325N	24	<1	240	<1	4	<10	23.8	1140	<0.5	7
L98050E-45312.5N	12	<1	170	<1	2	<10	13.9	1450	<0.5	3
L98050E-45275N	8	3	210	<1	<1	<10	7.8	7940	<0.5	3
L98050E-45262.5N	23	<1	<10	<1	3	<10	9.5	1740	<0.5	3
L98050E-45250N	8	<1	100	<1	2	<10	8.0	1130	<0.5	3
L98050E-45237.5N	9	3	80	<1	1	<10	11.7	7220	<0.5	4
L98050E-45225N	11	<1	120	<1	2	<10	13.5	2340	<0.5	4
L98050E-45212.5N	9	1	20	<1	1	<10	11.7	4770	<0.5	4
L98050E-45200N	6	<1	30	<1	1	<10	6.1	3460	<0.5	1
L98050E-44975N	9	1	70	<1	1	<10	13.1	3210	<0.5	4
L98050E-44962.5N	7	<1	40	<1	1	<10	4.7	1430	<0.5	2
L98050E-44950N	8	<1	<10	<1	2	<10	4.0	425	<0.5	2
L98050E-44912.5N	3	<1	310	<1	<1	<10	3.5	60	<0.5	81
L98050E-44887.5N	6	1	120	<1	1	<10	5.3	3670	<0.5	3
L98050E-44875N	11	1	80	<1	2	<10	13.6	3210	0.6	5
L98050E-44862.5N	7	<1	130	<1	1	<10	6.1	1170	<0.5	2
L98050E-44850N	1	<1	230	<1	<1	<10	6.0	127	<0.5	1
L98050E-44837.5N	6	<1	50	<1	1	<10	5.1	777	<0.5	2
L98050E-44825N	13	1	130	<1	2	<10	9.4	4300	<0.5	3
L98050E-44812.5N	7	<1	90	<1	2	<10	7.2	1070	<0.5	3
L98050E-44800N	8	1	160	<1	1	<10	10.1	2460	<0.5	2
L98450E-45037.5N	9	2	140	<1	2	<10	12.8	1180	0.5	2
L98450E-45075N	37	<1	100	<1	5	<10	13.5	741	0.5	8
*Dup L98250E-45587.5N	42	<1	240	<1	6	<10	19.2	1280	<0.5	7
*Dup L98250E-45425N	7	<1	60	<1	1	<10	7.3	1310	<0.5	2
*Dup L98150E-45537.5N	13	<1	50	<1	3	<10	11.7	753	0.6	6
*Dup L98150E-45237.5N	6	<1	290	<1	<1	<10	<0.5	<3	<0.5	16
*Dup L98150E-44825N	18	<1	10	<1	3	<10	15.3	693	<0.5	6
*Dup L98050E-45350N	5	<1	160	<1	1	<10	5.7	456	<0.5	3
*Dup L98050E-44962.5N	7	<1	50	<1	1	<10	4.6	1210	<0.5	2
*Dup L98450E-45075N	46	<1	80	1	6	<10	15.7	601	<0.5	9
*Std MMISRM14	2	<1	490	<1	<1	<10	8.3	<3	<0.5	25
*Std MMISRM14	2	<1	490	<1	<1	<10	8.4	<3	<0.5	25
*Std MMISRM14	2	<1	480	<1	<1	<10	9.5	<3	<0.5	24

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Final : 093823 Order:

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98250E-45587.5N	<1	129	8	640	60
L98250E-45575N	<1	50	3	3600	23
L98250E-45562.5N	<1	97	5	340	37
L98250E-45550N	<1	92	6	310	74
L98250E-45537.5N	<1	82	4	90	29
L98250E-45525N	<1	41	2	580	6
L98250E-45512.5N	<1	60	3	170	19
L98250E-45500N	<1	39	3	580	18
L98250E-45475N	<1	49	3	50	42
L98250E-45462.5N	<1	31	2	260	32
L98250E-45450N	<1	53	4	110	22
L98250E-45437.5N	<1	46	4	130	54
L98250E-45425N	<1	33	2	280	23
L98250E-45412.5N	<1	79	5	220	25
L98250E-454350N	<1	59	4	350	38
L98250E-45300N	<1	50	3	360	34
L98250E-45287.5N	<1	55	4	160	55
L98250E-45250N	<1	41	3	760	24
L98250E-45237.5N	<1	37	3	1880	16
L98150E-45600N	<1	53	4	360	27
L98150E-45587.5N	<1	221	12	200	12
L98150E-45575N	<1	47	3	140	45
L98150E-45562.5N	<1	65	4	1050	24
L98150E-45550N	<1	65	4	850	25
L98150E-45537.5N	<1	77	6	210	37
L98150E-45512.5N	<1	51	3	1060	26
L98150E-45500N	<1	87	7	870	28
L98150E-45475N	<1	45	3	530	22
L98150E-45462.5N	<1	62	5	1100	21
L98150E-45450N	<1	50	4	840	31
L98150E-45412.5N	<1	31	2	340	18
L98150E-45400N	<1	44	4	1800	15
L98150E-45325N	<1	532	27	100	26
L98150E-45312.5N	<1	46	3	100	22
L98150E-45300N	<1	46	3	140	37
L98150E-45275N	<1	29	2	1740	36
L98150E-45237.5N	<1	29	2	530	<5
L98150E-45212.5N	<1	<5	<1	480	<5
L98150E-44950N	<1	33	2	130	25
L98150E-44937.5N	<1	39	3	90	22
L98150E-44925N	<1	36	3	310	40
L98150E-44912.5N	<1	52	5	2600	31
L98150E-44900N	<1	29	2	1290	46
L98150E-44887.5N	<1	54	4	140	23
L98150E-44875N	<1	49	4	400	64
L98150E-44862.5N	<1	61	4	650	10
L98150E-44850N	<1	53	3	420	17
L98150E-44837.5N	<1	45	3	40	22

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98150E-44825N	<1	60	5	300	28
L98150E-44812.5N	<1	42	3	300	22
L98150E-44800N	<1	48	3	150	21
L98050E-45600N	<1	56	4	360	30
L98050E-45587.5N	<1	34	2	270	13
L98050E-45575N	<1	965	64	900	45
L98050E-45562.5N	<1	64	4	110	28
L98050E-45525N	<1	195	12	30	65
L98050E-45475N	<1	26	2	700	23
L98050E-45387.5N	<1	44	3	60	17
L98050E-45375N	<1	10	<1	1490	10
L98050E-45367.5N	<1	34	2	200	20
L98050E-45350N	<1	25	2	1350	15
L98050E-45337.5N	<1	29	2	280	17
L98050E-45325N	<1	104	6	2860	40
L98050E-45312.5N	<1	48	3	170	40
L98050E-45275N	1	22	2	140	52
L98050E-45262.5N	<1	70	4	30	37
L98050E-45250N	<1	41	3	700	28
L98050E-45237.5N	<1	37	3	1160	62
L98050E-45225N	<1	44	3	750	41
L98050E-45212.5N	<1	38	3	480	51
L98050E-45200N	<1	30	3	250	34
L98050E-44975N	<1	39	3	1630	47
L98050E-44962.5N	<1	36	3	420	22
L98050E-44950N	<1	47	3	70	14
L98050E-44912.5N	<1	18	2	4010	11
L98050E-44887.5N	<1	34	3	200	32
L98050E-44875N	<1	46	3	2140	46
L98050E-44862.5N	<1	36	3	1000	20
L98050E-44850N	<1	9	2	680	13
L98050E-44837.5N	<1	33	2	360	18
L98050E-44825N	<1	52	4	1570	43
L98050E-44812.5N	<1	52	4	500	24
L98050E-44800N	<1	38	3	1060	35
L98450E-45037.5N	1	54	4	3190	26
L98450E-45075N	<1	130	8	710	30
*Dup L98250E-45587.5N	<1	139	9	890	50
*Dup L98250E-45425N	<1	35	2	370	27
*Dup L98150E-45537.5N	<1	77	7	200	36
*Dup L98150E-45237.5N	<1	28	2	370	<5
*Dup L98150E-44825N	<1	54	4	270	33
*Dup L98050E-45350N	<1	28	2	1510	16
*Dup L98050E-44962.5N	<1	36	3	450	21
*Dup L98450E-45075N	<1	141	8	650	28
*Std MMISRM14	<1	<5	<1	320	14
*Std MMISRM14	<1	<5	<1	310	13
*Std MMISRM14	<1	5	<1	310	13

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Final : 093823 Order:

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094077

To: **Geotronics Consulting Inc.**

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

Date: Jul 30, 2007

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 40
Date Submitted Jul 13, 2007
Report Comprises Pages 1 to 6
(Inclusive of Cover Sheet)

Distribution of unused material:

40 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98000E 46862.5N	16	161	120	0.1	490	3	70	21	73	96
L98000E 46875N	17	247	30	0.1	580	<1	50	20	99	111
L98000E 46887.5N	30	157	<10	0.2	300	<1	20	12	86	38
L98000E 46900N	20	203	40	0.1	650	1	60	15	71	65
L98000E 46912.5N	21	197	40	0.1	510	2	70	23	49	46
L98000E 46925N	21	189	40	0.1	470	2	80	15	63	95
L98000E 46937.5N	28	218	30	<0.1	290	1	30	13	71	111
L98000E 46950N	16	173	50	<0.1	440	1	120	14	51	65
L98000E 47000N	10	15	40	0.2	800	<1	360	17	297	119
L98000E 47012.5N	30	246	30	0.2	710	<1	30	9	125	105
L98000E 47025N	5	253	40	<0.1	480	3	20	18	19	245
L98000E 47037.5N	9	217	60	<0.1	700	<1	50	10	113	94
L98000E 47050N	15	268	50	<0.1	1020	1	50	11	272	101
L98000E 47087.5N	13	250	50	<0.1	460	<1	30	15	58	107
L98000E 47112.5N	9	290	50	<0.1	540	2	10	9	99	184
L98000E 47125N	5	38	40	<0.1	340	<1	240	6	96	127
L98000E 47137.5N	10	85	20	0.1	630	<1	220	7	249	179
L98000E 47150N	10	218	10	<0.1	420	<1	80	36	38	76
L98000E 47162.5N	11	232	40	<0.1	460	2	40	34	55	56
L98000E 47175N	45	49	<10	0.2	1080	<1	310	12	55	7
L98000E 47187.5N	19	184	20	0.1	580	<1	50	12	511	43
L98000E 47200N	23	187	10	0.2	370	<1	40	10	507	29
L98000E 47250N	15	151	20	<0.1	520	<1	230	19	155	89
L98000E 47262.5N	13	224	10	<0.1	430	<1	100	34	175	134
L98000E 47275N	14	186	10	<0.1	450	<1	190	28	85	50
L98000E 47287.5N	15	62	<10	0.2	500	<1	360	30	148	172
L98000E 47325N	13	29	30	0.4	720	<1	280	6	866	263
L98000E 47337.5N	13	92	<10	0.1	160	<1	30	3	203	17
L98000E 47350N	17	19	10	0.2	970	<1	300	5	448	162
L98000E 47362.5N	19	37	20	0.2	900	<1	300	8	690	167
L98000E 47375N	29	92	<10	0.2	840	<1	290	31	209	41
L98000E 47387.5N	30	77	20	<0.1	610	<1	260	41	575	49
L98000E 47412.5N	22	213	70	0.2	480	2	70	23	126	117
L98000E 47425N	19	195	20	<0.1	510	1	70	21	374	111
L98000E 47437.5N	19	159	10	<0.1	500	<1	160	29	84	75
L98000E 47450N	35	136	30	0.1	590	<1	80	10	361	43
L98000E 47462.5N	28	158	10	<0.1	530	<1	160	31	42	76
L98000E 47475N	21	239	40	<0.1	540	2	50	17	100	138
L98000E 47500N	22	216	30	<0.1	410	1	60	24	60	97
L98000E 47900N-A	36	164	10	<0.1	500	<1	120	15	85	28
*Dup L99800E 46862.5N	16	182	80	<0.1	390	4	100	31	58	131
*Dup L99800E 47050N	15	215	40	<0.1	790	<1	40	7	280	74
*Dup L99800E 47275N	15	181	<10	<0.1	490	<1	180	28	79	46
*Dup L99800E 47462.5N	28	167	20	<0.1	540	<1	170	35	43	76
*Std MMISRM14	17	32	10	39.9	80	<1	260	8	13	40
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98000E 46862.5N	100	310	5	2.7	1.9	133	7	42	6	9
L98000E 46875N	100	330	8	3.7	2.3	80	8	34	7	3
L98000E 46887.5N	<100	240	11	5.4	3.2	12	11	37	<5	<1
L98000E 46900N	<100	200	9	4.5	2.4	37	9	25	<5	9
L98000E 46912.5N	<100	270	8	4.6	2.5	60	9	33	<5	8
L98000E 46925N	<100	270	8	4.3	2.8	76	10	42	6	9
L98000E 46937.5N	<100	260	10	5.1	3.1	32	11	36	<5	3
L98000E 46950N	<100	190	7	3.4	2.2	37	8	23	5	9
L98000E 47000N	<100	680	17	7.3	7.9	29	32	151	9	70
L98000E 47012.5N	<100	330	13	7.0	3.4	48	13	28	8	5
L98000E 47025N	<100	340	5	4.6	0.8	68	3	7	11	7
L98000E 47037.5N	<100	250	10	4.9	3.1	49	11	37	6	4
L98000E 47050N	200	290	17	8.2	5.8	75	21	82	7	6
L98000E 47087.5N	<100	190	9	4.7	2.6	52	9	27	6	6
L98000E 47112.5N	200	300	8	4.0	2.7	86	9	42	10	6
L98000E 47125N	<100	380	4	1.9	2.0	134	7	40	<5	45
L98000E 47137.5N	<100	860	10	4.7	4.8	63	18	102	<5	36
L98000E 47150N	<100	390	11	5.4	2.6	52	10	17	6	15
L98000E 47162.5N	<100	330	11	5.9	2.7	56	11	23	8	7
L98000E 47175N	<100	310	29	15.5	10.5	3	48	115	<5	72
L98000E 47187.5N	<100	350	44	18.9	18.2	25	68	226	<5	3
L98000E 47200N	100	420	40	17.1	15.2	24	56	266	<5	2
L98000E 47250N	<100	260	6	3.2	2.1	48	8	21	8	14
L98000E 47262.5N	<100	720	20	9.3	5.6	22	22	46	6	7
L98000E 47275N	<100	190	9	4.1	2.5	24	9	23	<5	11
L98000E 47287.5N	<100	1200	7	4.2	2.7	8	11	77	<5	28
L98000E 47325N	<100	1830	26	13.0	13.4	43	53	355	5	85
L98000E 47337.5N	<100	130	12	6.1	4.4	20	15	57	<5	1
L98000E 47350N	<100	790	11	5.4	5.8	34	23	148	<5	50
L98000E 47362.5N	<100	1730	24	11.7	12.6	28	51	309	<5	25
L98000E 47375N	<100	320	17	7.7	7.1	19	28	72	<5	49
L98000E 47387.5N	<100	970	54	26.9	23.8	33	99	383	<5	35
L98000E 47412.5N	200	360	11	5.5	4.1	152	15	86	13	7
L98000E 47425N	<100	430	14	6.0	5.8	44	21	113	5	4
L98000E 47437.5N	<100	430	17	8.0	6.4	27	25	89	<5	13
L98000E 47450N	100	260	14	5.7	5.5	37	21	109	<5	9
L98000E 47462.5N	<100	280	6	3.2	2.2	29	8	26	<5	10
L98000E 47475N	200	310	10	5.1	3.4	85	12	61	14	8
L98000E 47500N	100	220	9	4.6	2.8	73	10	30	7	8
L98000E 47900N-A	<100	330	24	11.7	9.2	43	38	129	<5	18
*Dup L99800E 46862.5N	<100	270	5	2.6	1.7	101	6	34	<5	11
*Dup L99800E 47050N	100	240	17	8.0	5.8	53	21	87	6	4
*Dup L99800E 47275N	<100	190	9	4.2	2.5	20	9	21	<5	11
*Dup L99800E 47462.5N	<100	280	7	3.2	2.1	30	8	26	<5	11
*Std MMISRM14	<100	690	1	0.6	0.8	2	3	3	<5	36
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98000E 46862.5N	6	6.4	33	233	520	<1	7	70	2	28
L98000E 46875N	<5	2.3	38	414	340	<1	8	122	1	28
L98000E 46887.5N	<5	0.6	50	182	220	<1	9	94	<1	22
L98000E 46900N	<5	1.1	34	300	710	<1	6	105	1	24
L98000E 46912.5N	<5	4.1	38	397	540	<1	7	116	2	28
L98000E 46925N	<5	3.6	44	382	470	<1	9	78	2	30
L98000E 46937.5N	<5	1.1	45	309	470	<1	8	106	1	26
L98000E 46950N	<5	1.3	30	338	440	<1	6	113	2	22
L98000E 47000N	<5	0.9	194	319	250	<1	38	32	<1	15
L98000E 47012.5N	<5	1.7	52	321	620	<1	9	113	<1	25
L98000E 47025N	<5	1.8	10	267	540	<1	2	132	<1	29
L98000E 47037.5N	<5	2.4	49	356	420	<1	9	91	2	27
L98000E 47050N	<5	4.3	105	249	590	<1	26	150	1	39
L98000E 47087.5N	<5	2.0	38	350	470	<1	7	74	<1	24
L98000E 47112.5N	<5	4.5	47	453	540	<1	9	88	<1	36
L98000E 47125N	<5	1.3	46	248	270	<1	10	31	1	15
L98000E 47137.5N	5	1.1	118	166	150	<1	24	88	2	25
L98000E 47150N	<5	1.5	32	394	890	<1	6	91	<1	25
L98000E 47162.5N	<5	3.2	39	492	930	<1	7	88	2	33
L98000E 47175N	<5	<0.5	193	135	140	<1	34	101	<1	24
L98000E 47187.5N	<5	1.2	361	197	370	<1	70	109	1	46
L98000E 47200N	<5	1.6	314	93	230	<1	66	125	<1	49
L98000E 47250N	<5	1.6	30	369	470	<1	6	74	1	21
L98000E 47262.5N	<5	0.8	88	341	890	<1	16	139	<1	24
L98000E 47275N	<5	1.2	34	229	540	<1	6	115	<1	18
L98000E 47287.5N	7	<0.5	75	402	30	<1	16	91	<1	15
L98000E 47325N	<5	0.9	399	240	150	<1	83	41	1	28
L98000E 47337.5N	<5	0.9	81	73	410	<1	16	87	<1	24
L98000E 47350N	<5	<0.5	174	165	40	<1	35	39	<1	20
L98000E 47362.5N	<5	<0.5	370	156	80	<1	75	67	<1	26
L98000E 47375N	<5	0.7	122	273	280	<1	22	128	<1	18
L98000E 47387.5N	<5	0.6	567	401	450	<1	106	107	<1	40
L98000E 47412.5N	7	9.6	78	326	860	<1	17	126	3	40
L98000E 47425N	<5	1.8	125	352	3620	<1	26	133	1	27
L98000E 47437.5N	<5	0.7	119	422	670	<1	23	158	<1	24
L98000E 47450N	6	1.9	116	180	470	<1	24	238	1	31
L98000E 47462.5N	<5	1.1	32	339	460	<1	6	125	<1	18
L98000E 47475N	<5	4.9	62	311	640	<1	13	162	3	40
L98000E 47500N	<5	2.9	42	302	460	<1	8	123	1	32
L98000E 47900N-A	<5	2.0	187	345	390	<1	34	95	2	30
*Dup L99800E 46862.5N	<5	4.8	31	226	790	<1	6	45	2	27
*Dup L99800E 47050N	<5	2.6	108	215	530	<1	27	112	1	32
*Dup L99800E 47275N	<5	0.7	33	216	550	<1	6	114	<1	17
*Dup L99800E 47462.5N	<5	1.0	32	337	480	<1	6	128	<1	18
*Std MMISRM14	34	<0.5	10	245	90	43	1	282	<1	8
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98000E 46862.5N	7	3	130	1	<1	<10	10.1	1770	<0.5	4
L98000E 46875N	8	<1	70	<1	1	<10	15.9	878	<0.5	5
L98000E 46887.5N	11	<1	20	<1	2	<10	9.5	137	<0.5	4
L98000E 46900N	8	<1	110	<1	1	<10	11.1	397	<0.5	4
L98000E 46912.5N	8	1	110	<1	1	<10	9.3	1920	<0.5	4
L98000E 46925N	9	1	120	<1	1	<10	12.9	2070	<0.5	5
L98000E 46937.5N	10	<1	50	<1	1	<10	7.8	429	<0.5	4
L98000E 46950N	7	<1	130	<1	1	<10	8.0	654	<0.5	4
L98000E 47000N	35	<1	410	<1	3	<10	19.8	228	<0.5	6
L98000E 47012.5N	12	<1	80	<1	2	<10	11.4	678	<0.5	4
L98000E 47025N	3	<1	130	<1	<1	<10	7.2	869	<0.5	3
L98000E 47037.5N	11	<1	90	<1	2	<10	11.4	1150	<0.5	4
L98000E 47050N	22	1	170	<1	3	<10	22.1	2160	<0.5	6
L98000E 47087.5N	8	<1	60	<1	1	<10	7.5	953	<0.5	3
L98000E 47112.5N	9	<1	50	<1	1	<10	13.8	2350	<0.5	5
L98000E 47125N	8	<1	200	<1	<1	<10	5.1	447	<0.5	4
L98000E 47137.5N	20	<1	210	<1	2	<10	12.2	413	<0.5	13
L98000E 47150N	8	<1	230	<1	2	<10	4.4	692	<0.5	2
L98000E 47162.5N	9	<1	90	<1	2	<10	11.8	1540	<0.5	4
L98000E 47175N	43	<1	440	<1	5	<10	1.7	<3	<0.5	7
L98000E 47187.5N	76	<1	50	<1	8	<10	26.7	451	<0.5	10
L98000E 47200N	62	<1	30	<1	7	<10	28.7	835	<0.5	9
L98000E 47250N	7	<1	220	<1	<1	<10	14.1	756	<0.5	4
L98000E 47262.5N	20	<1	120	<1	3	<10	11.7	266	<0.5	4
L98000E 47275N	9	<1	180	<1	1	<10	7.8	549	<0.5	4
L98000E 47287.5N	12	<1	480	<1	1	<10	1.1	<3	0.8	17
L98000E 47325N	63	<1	330	<1	5	<10	35.8	164	<0.5	4
L98000E 47337.5N	16	<1	10	<1	2	<10	9.1	461	<0.5	5
L98000E 47350N	27	<1	330	<1	2	<10	16.6	115	<0.5	9
L98000E 47362.5N	59	<1	340	<1	5	<10	29.8	125	<0.5	11
L98000E 47375N	27	<1	300	<1	3	<10	8.1	287	<0.5	5
L98000E 47387.5N	106	<1	260	<1	10	<10	22.8	198	<0.5	10
L98000E 47412.5N	15	3	80	<1	2	<10	18.3	4690	<0.5	6
L98000E 47425N	24	<1	70	<1	3	<10	18.9	829	<0.5	5
L98000E 47437.5N	25	<1	180	<1	3	<10	13.6	372	<0.5	5
L98000E 47450N	22	<1	80	<1	2	<10	29.7	1030	<0.5	8
L98000E 47462.5N	7	<1	200	<1	<1	<10	6.9	441	<0.5	2
L98000E 47475N	12	2	120	<1	2	<10	20.6	2690	<0.5	6
L98000E 47500N	10	<1	90	<1	1	<10	12.3	1410	<0.5	3
L98000E 47900N-A	37	<1	160	<1	4	<10	9.7	1010	<0.5	6
*Dup L99800E 46862.5N	6	2	130	<1	<1	<10	8.0	1240	<0.5	3
*Dup L99800E 47050N	22	<1	130	<1	3	<10	20.6	1540	<0.5	6
*Dup L99800E 47275N	8	<1	190	<1	1	<10	7.4	366	<0.5	3
*Dup L99800E 47462.5N	7	<1	210	<1	1	<10	7.1	448	<0.5	2
*Std MMISRM14	3	<1	530	<1	<1	<10	13.4	<3	<0.5	34
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98000E 46862.5N	3	28	2	1000	31
L98000E 46875N	<1	39	3	1370	27
L98000E 46887.5N	<1	60	4	290	14
L98000E 46900N	<1	49	3	180	20
L98000E 46912.5N	<1	48	4	820	24
L98000E 46925N	<1	44	3	340	27
L98000E 46937.5N	<1	55	4	350	18
L98000E 46950N	<1	36	2	290	17
L98000E 47000N	<1	97	6	1410	25
L98000E 47012.5N	<1	68	5	90	22
L98000E 47025N	<1	29	4	750	17
L98000E 47037.5N	<1	52	3	280	27
L98000E 47050N	<1	87	6	280	72
L98000E 47087.5N	<1	49	3	180	20
L98000E 47112.5N	<1	40	3	270	23
L98000E 47125N	<1	23	2	110	13
L98000E 47137.5N	<1	53	3	130	21
L98000E 47150N	<1	63	4	1220	12
L98000E 47162.5N	<1	64	4	1000	24
L98000E 47175N	<1	205	10	530	<5
L98000E 47187.5N	<1	215	13	440	39
L98000E 47200N	<1	194	12	230	46
L98000E 47250N	<1	30	2	1010	22
L98000E 47262.5N	<1	100	6	2160	16
L98000E 47275N	<1	43	3	1370	15
L98000E 47287.5N	<1	49	4	290	<5
L98000E 47325N	<1	163	11	330	45
L98000E 47337.5N	<1	63	4	80	18
L98000E 47350N	<1	73	4	270	18
L98000E 47362.5N	<1	149	9	390	29
L98000E 47375N	<1	99	5	730	17
L98000E 47387.5N	<1	362	20	2540	32
L98000E 47412.5N	<1	58	4	920	51
L98000E 47425N	<1	68	4	2980	33
L98000E 47437.5N	<1	94	5	2160	21
L98000E 47450N	<1	67	4	340	42
L98000E 47462.5N	<1	36	2	1010	18
L98000E 47475N	<1	56	4	750	46
L98000E 47500N	<1	49	3	390	29
L98000E 47900N-A	<1	161	8	600	18
*Dup L99800E 46862.5N	<1	27	2	1440	22
*Dup L99800E 47050N	<1	83	6	200	60
*Dup L99800E 47275N	<1	44	3	1280	14
*Dup L99800E 47462.5N	<1	38	2	1080	16
*Std MMISRM14	<1	7	<1	330	13
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094068

To: **Geotronics Consulting Inc.**

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

Date: Jul 31, 2007

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples : 69
Date Submitted : Jul 13, 2007
Report Comprises : Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

69 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
L98100E 46400N	6	5	<10	0.1	310	<1	550	18	<5	28
L98100E 46412.5N	10	69	<10	0.1	660	<1	350	24	33	36
L98100E 46425N	8	210	20	0.1	760	<1	110	7	51	77
L98100E 46487.5N	10	268	30	<0.1	640	2	50	16	63	257
L98100E 46500N	10	300	40	<0.1	550	2	20	14	21	177
L98100E 46512.5N	4	258	70	<0.1	520	3	30	10	55	288
L98100E 46562.5N	20	214	30	<0.1	450	<1	60	14	42	57
L98100E 46575N	11	223	100	<0.1	1060	4	100	30	414	232
L98100E 46587.5N	11	200	30	<0.1	540	1	100	23	70	86
L98100E 46600N	11	171	20	0.1	600	<1	110	14	91	96
L98100E 46612.5N	4	184	90	<0.1	370	4	60	14	52	188
L98100E 46625N	13	228	40	0.2	480	2	50	9	227	56
L98100E 46637.5N	11	170	20	0.1	480	<1	70	18	81	53
L98100E 46650N	15	65	10	0.3	900	<1	190	8	183	33
L98100E 46662.5N	16	157	70	0.4	960	2	160	24	778	92
L98100E 46675N	22	141	10	0.2	600	<1	20	8	14	55
L98100E 46687.5N	8	205	70	<0.1	610	3	100	18	78	96
L98100E 46700N	21	157	20	<0.1	810	<1	110	13	459	25
L98100E 46712.5N	15	246	20	<0.1	400	1	40	21	47	128
L98100E 46725N	11	197	70	<0.1	490	5	80	18	76	113
L98100E 46737.5N	9	219	20	<0.1	530	<1	30	18	69	33
L98100E 46750N	12	175	10	<0.1	780	<1	100	13	89	35
L98100E 46762.5N	12	151	40	<0.1	820	1	180	39	45	32
L98100E 46775N	15	195	10	<0.1	420	<1	80	15	57	40
L98100E 46787.5N	5	128	60	<0.1	570	14	140	104	33	291
L98100E 46800N	14	128	<10	<0.1	380	<1	140	16	52	18
L98100E 46812.5N	6	185	<10	<0.1	480	1	60	43	12	60
L98100E 46825N	15	145	20	<0.1	520	<1	150	36	70	26
L98100E 46837.5N	12	203	20	<0.1	430	1	120	20	51	26
L98100E 46850N	23	197	10	<0.1	250	<1	40	15	89	33
L98100E 46862.5N	14	161	10	<0.1	430	<1	130	34	33	23
L98100E 46875N	5	48	60	<0.1	410	34	130	136	65	239
L98100E 46887.5N	13	80	<10	<0.1	270	<1	310	36	15	10
L98100E 46900N	13	97	<10	<0.1	370	<1	270	3	56	18
L98100E 46912.5N	11	207	<10	<0.1	430	4	90	26	6	280
L98100E 46925N	9	232	60	<0.1	470	6	110	49	35	354
L98100E 46937.5N	29	115	10	<0.1	430	1	810	56	35	126
L98100E 46950N	2	200	50	<0.1	360	7	130	30	9	163
L98100E 46962.5N	17	265	30	<0.1	660	<1	10	14	31	231
L98100E 46975N	5	210	90	<0.1	420	9	60	43	22	331
L98100E 47375N	10	202	<10	<0.1	210	<1	<10	16	31	91
L98100E 47387.5N	8	114	<10	0.2	460	<1	270	80	60	98
L98100E 47400N	18	193	20	<0.1	360	2	140	30	124	141
L98100E 47412.5N	2	180	<10	<0.1	400	2	130	134	109	63
L98100E 47425N	21	122	20	<0.1	460	<1	220	38	61	63
L98100E 47437.5N	16	68	30	0.4	950	<1	390	40	680	86
L98100E 47450N	6	296	30	<0.1	460	2	30	39	20	165
L98100E 47462.5N	6	269	40	<0.1	280	2	30	26	30	255

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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
L98100E 47475N	26	76	<10	0.2	270	<1	330	44	111	14
L98100E 47487.5N	10	167	<10	<0.1	390	1	170	46	105	80
L98100E 47500N	8	266	10	<0.1	430	<1	20	28	12	145
L98100E 47512.5N	11	264	20	<0.1	660	<1	<10	24	85	150
L98100E 47525N	8	245	20	<0.1	450	<1	20	39	33	122
L98100E 47537.5N	6	202	50	<0.1	240	2	60	75	70	102
L98100E 47550N	7	240	20	<0.1	370	2	30	28	21	154
L98100E 47562.5N	30	142	<10	0.1	530	<1	260	107	117	109
L98100E 47575N	11	187	20	<0.1	470	2	120	91	30	159
L98100E 47587.5N	11	210	20	<0.1	330	2	60	55	38	71
L98100E 47600N	4	235	190	<0.1	640	5	70	93	30	307
L98100E 47612.5N	11	202	10	<0.1	460	<1	30	46	25	45
L98100E 47625N	2	227	20	<0.1	600	3	70	105	48	400
L98100E 47637.5N	8	220	90	<0.1	300	18	30	84	58	289
L98100E 47650N	21	256	40	0.3	580	1	<10	29	547	118
L98100E 47662.5N	10	207	40	<0.1	650	1	150	66	40	107
L98100E 47675N	7	232	70	<0.1	360	5	20	25	12	199
L98100E 47687.5N	13	254	100	<0.1	390	3	10	44	44	266
L98100E 47700N	16	259	10	<0.1	260	<1	<10	26	122	52
L98100E 47350N	20	191	30	0.2	740	1	170	23	294	69
L98100E 47362.5N	8	243	<10	<0.1	460	1	60	43	87	98
*Dup L98100E 46400N	8	7	<10	<0.1	340	<1	560	17	<5	22
*Dup L98100E 46637.5N	12	179	20	<0.1	420	<1	80	23	50	77
*Dup L98100E 46787.5N	6	135	60	<0.1	550	15	130	110	44	244
*Dup L98100E 46937.5N	34	120	10	<0.1	460	<1	850	57	25	91
*Dup L98100E 47475N	24	75	<10	<0.1	250	<1	330	50	115	20
*Dup L98100E 47625N	2	218	20	<0.1	550	3	80	103	37	445
*Std MMISRM14	18	34	10	47.2	80	<1	270	8	14	45
*Std MMISRM14	20	30	10	44.8	70	<1	270	8	11	40
*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	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98100E 46400N	<100	60	<1	0.8	<0.5	2	<1	<1	11	50
L98100E 46412.5N	<100	140	3	1.6	1.3	36	5	12	6	52
L98100E 46425N	<100	200	8	4.3	2.3	53	9	24	12	18
L98100E 46487.5N	<100	290	8	5.4	1.8	91	7	23	29	12
L98100E 46500N	<100	200	5	4.0	0.9	96	3	8	26	8
L98100E 46512.5N	<100	230	4	4.6	0.6	176	3	5	36	16
L98100E 46562.5N	<100	260	8	4.3	2.2	42	8	28	7	9
L98100E 46575N	200	560	13	6.3	4.1	158	16	100	27	19
L98100E 46587.5N	<100	280	8	4.4	2.7	76	10	34	17	21
L98100E 46600N	<100	290	13	7.0	4.8	52	19	82	12	24
L98100E 46612.5N	100	310	5	2.8	1.6	187	6	22	12	11
L98100E 46625N	100	310	13	6.3	4.7	82	17	84	14	7
L98100E 46637.5N	<100	180	10	5.1	2.9	31	11	31	6	7
L98100E 46650N	<100	970	33	14.2	15.1	14	61	263	<5	53
L98100E 46662.5N	100	1140	66	29.2	27.9	45	109	533	10	27
L98100E 46675N	<100	290	10	9.9	0.9	26	4	4	<5	4
L98100E 46687.5N	<100	220	9	4.9	3.3	88	12	53	10	11
L98100E 46700N	<100	210	36	15.8	11.8	26	45	178	<5	19
L98100E 46712.5N	<100	380	7	3.2	2.2	40	9	33	<5	6
L98100E 46725N	100	400	7	3.6	2.3	97	9	44	9	9
L98100E 46737.5N	<100	220	9	4.2	2.7	27	10	41	<5	3
L98100E 46750N	<100	120	10	5.1	3.0	25	12	48	<5	9
L98100E 46762.5N	<100	300	5	2.4	1.5	51	6	28	<5	17
L98100E 46775N	<100	160	7	3.4	2.5	27	9	42	<5	3
L98100E 46787.5N	<100	580	7	4.5	1.8	149	8	20	<5	18
L98100E 46800N	<100	180	7	3.5	2.6	23	10	40	<5	9
L98100E 46812.5N	<100	280	6	4.7	0.7	52	3	4	<5	11
L98100E 46825N	<100	180	8	3.8	2.7	22	11	40	<5	11
L98100E 46837.5N	<100	250	7	3.2	2.3	66	9	39	5	9
L98100E 46850N	<100	180	11	5.2	3.2	34	14	38	<5	3
L98100E 46862.5N	<100	140	5	2.6	1.6	51	6	17	<5	9
L98100E 46875N	<100	480	7	3.8	2.1	57	9	35	<5	14
L98100E 46887.5N	<100	60	3	2.3	0.6	7	3	4	<5	63
L98100E 46900N	<100	160	7	3.6	2.7	24	10	39	<5	43
L98100E 46912.5N	<100	210	7	6.0	0.7	84	3	1	7	34
L98100E 46925N	<100	380	7	4.1	1.7	122	6	14	5	19
L98100E 46937.5N	<100	880	19	9.2	10.0	18	40	151	<5	135
L98100E 46950N	<100	260	2	2.2	<0.5	191	1	3	8	27
L98100E 46962.5N	<100	290	6	4.1	1.3	60	5	7	14	9
L98100E 46975N	<100	340	5	3.3	1.1	148	4	7	11	21
L98100E 47375N	<100	310	10	5.9	1.7	33	7	8	<5	2
L98100E 47387.5N	<100	280	8	4.4	2.5	30	10	23	<5	28
L98100E 47400N	<100	350	19	9.7	6.4	41	25	73	<5	8
L98100E 47412.5N	<100	840	27	18.5	4.2	43	19	20	<5	12
L98100E 47425N	<100	260	11	5.3	4.5	22	17	50	<5	11
L98100E 47437.5N	<100	1310	84	43.5	33.5	21	139	446	7	68
L98100E 47450N	<100	290	8	6.5	0.9	104	4	7	16	7
L98100E 47462.5N	<100	210	10	5.8	2.0	84	8	12	8	10

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98100E 47475N	<100	1240	26	13.1	11.4	4	48	179	<5	8
L98100E 47487.5N	<100	520	26	13.1	7.7	27	31	80	<5	14
L98100E 47500N	<100	250	5	4.3	0.8	58	3	5	8	4
L98100E 47512.5N	<100	460	13	7.8	2.4	43	8	19	8	2
L98100E 47525N	<100	380	10	5.6	1.8	40	7	11	8	3
L98100E 47537.5N	<100	740	13	7.2	2.6	18	10	13	<5	14
L98100E 47550N	<100	240	11	7.3	1.3	65	6	8	11	5
L98100E 47562.5N	<100	2530	47	27.6	15.4	24	64	168	<5	15
L98100E 47575N	<100	870	13	8.2	2.5	78	11	19	7	14
L98100E 47587.5N	<100	520	10	5.4	2.2	51	9	14	5	7
L98100E 47600N	<100	440	5	4.4	0.8	230	3	7	17	18
L98100E 47612.5N	<100	640	7	4.5	1.3	64	5	6	7	5
L98100E 47625N	<100	1390	15	11.8	1.2	48	6	6	8	13
L98100E 47637.5N	<100	620	7	4.0	2.0	92	7	21	<5	4
L98100E 47650N	<100	1010	23	10.0	6.7	48	26	64	6	2
L98100E 47662.5N	<100	420	8	4.9	1.8	64	7	17	10	18
L98100E 47675N	<100	280	3	2.5	<0.5	218	2	3	16	5
L98100E 47687.5N	<100	440	7	5.0	0.9	189	3	7	16	4
L98100E 47700N	<100	530	13	6.6	3.4	28	13	28	6	1
L98100E 47350N	<100	570	27	13.0	10.0	42	41	150	11	15
L98100E 47362.5N	<100	380	15	7.7	3.1	62	12	18	<5	5
*Dup L98100E 46400N	<100	100	<1	0.7	<0.5	2	<1	<1	12	58
*Dup L98100E 46637.5N	<100	210	9	5.1	2.5	36	9	21	6	10
*Dup L98100E 46787.5N	<100	580	8	5.2	2.1	148	10	25	6	17
*Dup L98100E 46937.5N	<100	860	14	8.6	7.8	11	32	115	<5	120
*Dup L98100E 47475N	<100	1210	25	12.8	11.1	5	45	163	<5	8
*Dup L98100E 47625N	<100	1280	13	11.5	1.0	47	4	7	7	14
*Std MMISRM14	<100	720	1	<0.5	0.7	2	3	3	<5	40
*Std MMISRM14	<100	650	1	0.5	0.7	2	2	1	<5	39
*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

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98100E 46400N	<5	1.1	2	137	140	<1	<1	45	<1	<5
L98100E 46412.5N	<5	1.4	19	195	420	<1	5	79	<1	8
L98100E 46425N	<5	2.9	31	307	390	<1	8	106	<1	21
L98100E 46487.5N	<5	3.4	34	366	450	<1	9	139	<1	23
L98100E 46500N	<5	5.4	12	270	670	<1	3	127	1	28
L98100E 46512.5N	<5	3.9	9	321	410	<1	2	90	1	33
L98100E 46562.5N	<5	2.0	30	256	400	<1	8	159	1	21
L98100E 46575N	<5	6.7	85	626	1120	<1	23	180	3	43
L98100E 46587.5N	<5	5.4	40	435	480	<1	10	133	1	29
L98100E 46600N	<5	3.4	97	244	410	<1	24	156	1	26
L98100E 46612.5N	<5	5.8	25	294	700	<1	7	114	2	25
L98100E 46625N	<5	5.4	81	199	580	<1	21	221	2	37
L98100E 46637.5N	<5	1.8	42	251	570	<1	10	120	1	28
L98100E 46650N	<5	1.1	349	121	140	<1	83	82	<1	36
L98100E 46662.5N	<5	3.4	634	361	730	<1	162	140	2	103
L98100E 46675N	<5	0.6	9	206	560	<1	2	175	<1	23
L98100E 46687.5N	<5	4.2	56	311	820	<1	15	104	2	32
L98100E 46700N	<5	1.5	211	137	550	<1	55	120	<1	53
L98100E 46712.5N	<5	1.2	34	346	500	<1	9	158	<1	11
L98100E 46725N	<5	2.8	42	402	960	<1	11	96	3	24
L98100E 46737.5N	<5	1.1	42	325	270	<1	11	97	2	18
L98100E 46750N	<5	1.0	49	239	300	<1	12	144	<1	16
L98100E 46762.5N	<5	1.5	25	682	340	<1	7	166	2	16
L98100E 46775N	<5	1.1	39	258	390	<1	10	107	1	16
L98100E 46787.5N	<5	1.6	26	370	3060	<1	6	44	2	26
L98100E 46800N	<5	0.8	43	248	210	<1	11	122	1	17
L98100E 46812.5N	<5	1.0	7	332	390	<1	2	136	<1	15
L98100E 46825N	<5	0.8	44	268	230	<1	11	152	1	16
L98100E 46837.5N	<5	3.5	38	275	250	<1	10	151	3	23
L98100E 46850N	<5	1.3	61	247	320	<1	13	79	1	20
L98100E 46862.5N	<5	1.2	24	398	280	<1	6	85	1	15
L98100E 46875N	7	1.5	39	307	5480	<1	11	111	3	28
L98100E 46887.5N	<5	<0.5	8	301	130	<1	2	82	<1	<5
L98100E 46900N	<5	<0.5	51	140	180	<1	13	46	<1	9
L98100E 46912.5N	<5	<0.5	5	348	700	<1	1	48	<1	34
L98100E 46925N	<5	2.7	22	377	1510	<1	5	58	2	22
L98100E 46937.5N	<5	<0.5	211	738	1640	<1	48	141	<1	<5
L98100E 46950N	<5	1.9	4	196	640	<1	1	58	<1	12
L98100E 46962.5N	<5	1.3	14	368	480	<1	3	91	<1	19
L98100E 46975N	<5	2.1	13	288	1080	<1	3	46	1	20
L98100E 47375N	<5	0.5	19	171	1270	<1	4	130	<1	22
L98100E 47387.5N	<5	<0.5	36	358	500	<1	9	77	<1	13
L98100E 47400N	<5	1.4	107	322	1020	<1	25	67	1	24
L98100E 47412.5N	<5	<0.5	47	284	990	<1	10	54	<1	31
L98100E 47425N	<5	0.6	78	410	630	<1	18	123	<1	16
L98100E 47437.5N	<5	<0.5	672	792	450	<1	153	52	<1	58
L98100E 47450N	<5	5.8	10	332	640	<1	3	109	1	34
L98100E 47462.5N	<5	3.3	24	292	560	<1	5	56	1	29

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98100E 47475N	<5	0.5	225	177	240	<1	53	75	<1	18
L98100E 47487.5N	<5	1.0	122	386	700	<1	28	116	<1	27
L98100E 47500N	<5	2.2	8	288	430	<1	2	86	<1	20
L98100E 47512.5N	<5	2.0	30	328	590	<1	7	103	1	31
L98100E 47525N	<5	1.8	19	351	620	<1	4	142	1	23
L98100E 47537.5N	<5	0.7	29	353	2050	<1	6	111	1	18
L98100E 47550N	<5	2.6	14	231	710	<1	3	101	<1	24
L98100E 47562.5N	<5	0.6	269	631	770	<1	63	131	<1	58
L98100E 47575N	<5	1.1	33	454	1560	<1	7	115	1	25
L98100E 47587.5N	<5	1.5	27	410	1530	<1	6	79	1	22
L98100E 47600N	<5	5.0	10	347	1260	<1	2	230	4	33
L98100E 47612.5N	<5	1.4	14	456	730	<1	3	93	1	22
L98100E 47625N	<5	1.3	12	285	2050	<1	3	170	<1	22
L98100E 47637.5N	<5	4.7	30	198	3930	<1	7	102	4	43
L98100E 47650N	<5	2.4	106	347	640	<1	26	205	2	41
L98100E 47662.5N	<5	2.5	21	605	580	<1	5	163	2	32
L98100E 47675N	<5	3.6	5	276	500	<1	1	103	2	21
L98100E 47687.5N	<5	5.6	11	305	780	<1	3	92	3	37
L98100E 47700N	<5	1.5	48	279	520	<1	11	132	2	32
L98100E 47350N	<5	2.9	201	360	600	<1	49	135	1	39
L98100E 47362.5N	<5	2.2	39	220	860	<1	8	98	<1	28
*Dup L98100E 46400N	<5	<0.5	1	155	120	<1	<1	48	<1	<5
*Dup L98100E 46637.5N	<5	1.6	30	324	720	<1	7	134	1	29
*Dup L98100E 46787.5N	<5	1.9	33	389	3120	<1	8	44	2	28
*Dup L98100E 46937.5N	<5	<0.5	160	874	1340	<1	36	133	<1	<5
*Dup L98100E 47475N	<5	<0.5	210	184	270	<1	50	72	<1	18
*Dup L98100E 47625N	<5	1.0	10	253	1900	<1	3	176	<1	20
*Std MMISRM14	34	<0.5	10	254	90	46	2	282	<1	6
*Std MMISRM14	31	<0.5	7	242	90	44	2	277	<1	6
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98100E 46400N	<1	<1	380	1	<1	10	2.3	<3	<0.5	2
L98100E 46412.5N	4	<1	320	<1	<1	<10	5.2	220	<0.5	3
L98100E 46425N	8	<1	160	<1	1	<10	7.0	1150	<0.5	2
L98100E 46487.5N	7	<1	180	<1	1	<10	6.8	1530	<0.5	3
L98100E 46500N	3	<1	90	<1	<1	<10	9.0	2600	<0.5	3
L98100E 46512.5N	2	<1	120	<1	<1	<10	13.4	1740	<0.5	6
L98100E 46562.5N	7	<1	140	<1	1	<10	7.6	961	<0.5	3
L98100E 46575N	17	2	190	<1	3	<10	38.7	3210	<0.5	7
L98100E 46587.5N	9	1	140	<1	1	<10	11.2	2720	<0.5	4
L98100E 46600N	20	<1	110	<1	3	<10	13.6	1710	<0.5	5
L98100E 46612.5N	5	2	90	<1	<1	<10	9.6	2910	<0.5	4
L98100E 46625N	16	1	60	<1	3	<10	22.8	3150	<0.5	7
L98100E 46637.5N	10	<1	80	<1	2	<10	11.1	695	<0.5	4
L98100E 46650N	67	<1	330	<1	8	<10	20.4	404	<0.5	8
L98100E 46662.5N	122	2	240	<1	15	<10	66.7	1290	<0.5	13
L98100E 46675N	2	<1	80	<1	1	<10	5.4	253	<0.5	5
L98100E 46687.5N	12	1	100	<1	2	<10	12.0	2190	<0.5	4
L98100E 46700N	47	<1	80	<1	7	<10	32.1	573	<0.5	8
L98100E 46712.5N	8	<1	80	<1	1	<10	8.3	515	<0.5	4
L98100E 46725N	8	1	80	<1	1	<10	16.5	1330	<0.5	3
L98100E 46737.5N	10	<1	20	<1	2	<10	9.9	452	<0.5	4
L98100E 46750N	11	<1	120	<1	2	<10	9.5	447	<0.5	4
L98100E 46762.5N	6	<1	250	<1	<1	<10	10.3	841	<0.5	3
L98100E 46775N	9	<1	70	<1	1	<10	8.3	482	<0.5	3
L98100E 46787.5N	6	<1	230	<1	1	<10	11.4	528	<0.5	3
L98100E 46800N	9	<1	180	<1	1	<10	8.8	385	<0.5	3
L98100E 46812.5N	2	<1	180	<1	<1	<10	5.0	551	<0.5	3
L98100E 46825N	10	<1	150	<1	2	<10	11.3	440	<0.5	3
L98100E 46837.5N	8	<1	120	<1	1	<10	7.5	1660	<0.5	3
L98100E 46850N	14	<1	30	<1	2	<10	8.7	608	<0.5	6
L98100E 46862.5N	5	<1	180	<1	<1	<10	6.1	463	<0.5	3
L98100E 46875N	9	4	200	<1	1	<10	15.3	390	<0.5	3
L98100E 46887.5N	2	<1	300	<1	<1	<10	1.5	16	<0.5	2
L98100E 46900N	11	<1	210	<1	1	<10	4.4	81	<0.5	58
L98100E 46912.5N	2	<1	220	<1	<1	<10	5.6	298	<0.5	3
L98100E 46925N	6	<1	190	<1	1	<10	8.9	1140	<0.5	4
L98100E 46937.5N	41	<1	670	<1	5	<10	4.4	21	<0.5	54
L98100E 46950N	1	<1	270	<1	<1	<10	6.6	946	<0.5	3
L98100E 46962.5N	4	<1	50	<1	<1	<10	7.4	690	<0.5	3
L98100E 46975N	4	<1	140	<1	<1	<10	8.9	818	<0.5	2
L98100E 47375N	5	<1	<10	<1	1	<10	5.6	240	<0.5	3
L98100E 47387.5N	9	<1	270	<1	2	<10	7.3	156	<0.5	3
L98100E 47400N	24	<1	120	<1	4	<10	12.0	668	<0.5	3
L98100E 47412.5N	14	<1	200	<1	4	<10	14.6	114	<0.5	4
L98100E 47425N	17	<1	160	<1	2	<10	7.6	294	<0.5	3
L98100E 47437.5N	142	<1	530	<1	18	<10	33.8	82	<0.5	9
L98100E 47450N	3	1	80	3	<1	<10	11.7	1990	<0.5	3
L98100E 47462.5N	6	<1	70	1	2	<10	7.3	1400	<0.5	2

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98100E 47475N	49	<1	140	<1	6	<10	5.1	12	<0.5	16
L98100E 47487.5N	29	<1	190	<1	5	<10	14.2	277	<0.5	4
L98100E 47500N	2	<1	60	<1	<1	<10	6.1	850	<0.5	2
L98100E 47512.5N	8	<1	30	<1	2	<10	16.3	693	<0.5	5
L98100E 47525N	5	<1	40	<1	1	<10	8.2	620	<0.5	3
L98100E 47537.5N	8	<1	80	<1	2	<10	12.8	217	<0.5	4
L98100E 47550N	4	<1	40	<1	1	<10	7.6	1350	<0.5	5
L98100E 47562.5N	62	<1	270	<1	9	<10	17.4	147	<0.5	13
L98100E 47575N	9	<1	180	<1	2	<10	9.9	452	<0.5	4
L98100E 47587.5N	7	<1	80	<1	2	<10	8.4	639	<0.5	4
L98100E 47600N	3	2	160	<1	<1	<10	13.0	2340	<0.5	6
L98100E 47612.5N	4	<1	70	<1	1	<10	6.2	572	<0.5	3
L98100E 47625N	4	<1	250	<1	2	<10	11.4	541	<0.5	4
L98100E 47637.5N	7	3	70	<1	1	<10	12.9	1690	<0.5	3
L98100E 47650N	27	<1	<10	<1	4	<10	43.7	968	<0.5	9
L98100E 47662.5N	6	<1	180	<1	1	<10	13.4	1370	<0.5	4
L98100E 47675N	1	<1	80	<1	<1	<10	6.7	1500	<0.5	2
L98100E 47687.5N	3	1	50	<1	<1	<10	15.8	2060	<0.5	4
L98100E 47700N	12	<1	<10	<1	2	<10	19.1	612	<0.5	6
L98100E 47350N	43	<1	180	<1	6	<10	37.3	1330	<0.5	7
L98100E 47362.5N	11	<1	110	<1	2	<10	15.6	945	<0.5	4
*Dup L98100E 46400N	<1	<1	390	<1	<1	<10	<0.5	<3	<0.5	1
*Dup L98100E 46637.5N	8	<1	100	<1	2	<10	9.5	692	<0.5	4
*Dup L98100E 46787.5N	8	<1	220	<1	2	<10	12.3	751	<0.5	3
*Dup L98100E 46937.5N	32	<1	710	<1	3	<10	3.4	16	<0.5	48
*Dup L98100E 47475N	45	<1	140	<1	6	<10	4.0	11	<0.5	16
*Dup L98100E 47625N	3	<1	260	<1	1	<10	9.9	403	<0.5	4
*Std MMISRM14	3	<1	520	<1	<1	<10	12.2	<3	<0.5	33
*Std MMISRM14	2	<1	500	<1	<1	<10	10.1	<3	<0.5	30
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 094069 Order: KAR ENTERPRISES

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98100E 46400N	1	<5	<1	460	<5
L98100E 46412.5N	1	16	1	1450	8
L98100E 46425N	<1	44	3	360	20
L98100E 46487.5N	<1	43	4	530	16
L98100E 46500N	<1	27	3	480	24
L98100E 46512.5N	<1	22	5	70	28
L98100E 46562.5N	<1	43	3	160	19
L98100E 46575N	<1	63	5	1100	65
L98100E 46587.5N	<1	42	3	1480	28
L98100E 46600N	<1	69	5	280	35
L98100E 46612.5N	<1	26	2	700	32
L98100E 46625N	<1	62	5	140	49
L98100E 46637.5N	<1	49	4	210	23
L98100E 46650N	<1	161	10	280	38
L98100E 46662.5N	<1	319	21	470	129
L98100E 46675N	<1	65	8	140	10
L98100E 46687.5N	<1	49	4	420	28
L98100E 46700N	<1	160	11	290	46
L98100E 46712.5N	<1	36	2	1200	16
L98100E 46725N	<1	36	2	850	29
L98100E 46737.5N	<1	44	3	530	20
L98100E 46750N	<1	55	3	860	14
L98100E 46762.5N	<1	25	2	7300	17
L98100E 46775N	<1	35	2	1010	17
L98100E 46787.5N	<1	43	4	2470	16
L98100E 46800N	<1	40	3	650	13
L98100E 46812.5N	<1	36	3	4680	9
L98100E 46825N	<1	40	3	4060	14
L98100E 46837.5N	<1	37	2	1010	23
L98100E 46850N	<1	61	3	630	14
L98100E 46862.5N	<1	27	2	4550	10
L98100E 46875N	<1	39	3	2180	22
L98100E 46887.5N	<1	20	2	1800	<5
L98100E 46900N	<1	38	3	90	9
L98100E 46912.5N	<1	45	5	1450	6
L98100E 46925N	<1	35	3	3050	16
L98100E 46937.5N	<1	119	6	1050	9
L98100E 46950N	<1	11	2	1780	11
L98100E 46962.5N	<1	33	3	880	14
L98100E 46975N	<1	28	3	3280	13
L98100E 47375N	<1	53	5	800	10
L98100E 47387.5N	<1	45	3	3310	8
L98100E 47400N	<1	103	7	570	19
L98100E 47412.5N	<1	160	14	3150	11
L98100E 47425N	<1	56	4	670	13
L98100E 47437.5N	<1	491	33	640	57
L98100E 47450N	6	45	5	1770	26
L98100E 47462.5N	2	53	4	1710	16

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Final : 094065 Order: KAR ENTERPRISES

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
L98100E 47475N	<1	159	8	390	7
L98100E 47487.5N	<1	138	9	2420	14
L98100E 47500N	<1	29	4	1890	14
L98100E 47512.5N	<1	63	6	1540	26
L98100E 47525N	<1	50	4	3770	17
L98100E 47537.5N	<1	63	5	3540	14
L98100E 47550N	<1	60	6	1140	16
L98100E 47562.5N	<1	288	21	6960	16
L98100E 47575N	<1	72	6	5320	13
L98100E 47587.5N	<1	52	4	3850	16
L98100E 47600N	<1	29	4	5460	31
L98100E 47612.5N	<1	42	4	4950	13
L98100E 47625N	<1	78	9	4580	14
L98100E 47637.5N	<1	36	3	1780	25
L98100E 47650N	<1	86	7	3070	55
L98100E 47662.5N	<1	44	4	4080	25
L98100E 47675N	<1	14	3	1720	17
L98100E 47687.5N	<1	36	4	3050	35
L98100E 47700N	<1	62	5	970	30
L98100E 47350N	<1	141	9	920	64
L98100E 47362.5N	<1	73	6	1510	23
*Dup L98100E 46400N	<1	<5	<1	410	<5
*Dup L98100E 46637.5N	<1	50	4	310	19
*Dup L98100E 46787.5N	<1	49	4	2520	19
*Dup L98100E 46937.5N	<1	87	6	980	6
*Dup L98100E 47475N	<1	151	8	470	7
*Dup L98100E 47625N	<1	69	9	4690	11
*Std MMISRM14	<1	7	<1	320	11
*Std MMISRM14	<1	6	<1	300	9
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094067

To: **Geotronics Consulting Inc.**

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

Date: Jul 31, 2007

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 68
Date Submitted Jul 16, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

68 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
L98200E-46400N	11	64	30	0.2	680	<1	230	9	274	153
L98200E-46412.5N	3	6	20	<0.1	120	<1	350	4	10	167
L98200E-46425N	6	3	<10	<0.1	80	<1	400	10	<5	38
L98200E-46437.5N	5	83	30	0.1	560	<1	250	20	447	359
L98200E-46450N	2	38	30	<0.1	60	4	70	11	25	123
L98200E-46462.5N	8	65	20	0.1	240	<1	210	8	63	131
L98200E-46475N	6	92	60	0.3	280	<1	50	6	277	201
L98200E-46500N	6	142	50	<0.1	320	4	180	33	47	141
L98200E-46512.5N	19	280	60	0.1	880	3	50	10	134	76
L98200E-46525N	9	216	90	<0.1	410	10	110	53	73	277
L98200E-46537.5N	11	167	80	<0.1	460	4	180	24	105	96
L98200E-46550N	25	46	40	0.9	760	<1	330	14	516	92
L98200E-46562.5N	38	7	30	0.9	480	<1	340	8	48	53
L98200E-46575N	53	8	30	0.7	520	<1	450	20	18	60
L98200E-46600N	19	225	60	<0.1	570	2	110	17	79	112
L98200E-46612.5N	13	182	40	<0.1	540	1	210	20	64	50
L98200E-46625N	21	146	20	0.2	810	<1	80	5	235	29
L98200E-46637.5N	12	213	20	<0.1	500	<1	60	7	234	60
L98200E-46662.5N	11	247	30	<0.1	520	1	80	19	46	55
L98200E-46675N	13	163	30	<0.1	700	1	150	10	81	57
L98200E-46687.5N	51	134	10	0.1	470	<1	70	13	418	38
L98200E-46700N	17	228	100	<0.1	500	5	180	36	44	136
L98200E-46712.5N	6	283	50	0.1	610	4	60	30	57	88
L98200E-46725N	13	248	30	<0.1	420	1	20	12	99	54
L98200E-46737.5N	20	195	20	<0.1	450	1	130	21	62	34
L98200E-46750N	20	231	30	<0.1	570	2	100	23	169	28
L98200E-46762.5N	16	265	40	<0.1	630	2	120	28	34	96
L98200E-46775N	15	212	10	<0.1	260	1	60	19	67	60
L98200E-46787.5N	12	212	20	<0.1	250	<1	110	15	46	32
L98200E-46800N	19	199	10	<0.1	250	<1	140	22	144	35
L98200E-46812.5N	15	229	30	<0.1	390	1	110	20	78	127
L98200E-46825N	14	269	50	<0.1	750	2	60	9	243	66
L98200E-46837.5N	18	261	40	<0.1	910	3	110	8	157	72
L98200E-46850N	11	264	40	<0.1	1360	2	110	14	144	176
L98200E-46862.5N	17	187	20	<0.1	550	1	180	25	42	65
L98200E-46875N	16	>300	40	<0.1	750	2	70	26	50	170
L98200E-46887.5N	3	267	30	<0.1	800	5	130	14	8	253
L98200E-46900N	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.
L98200E-47325N	30	266	70	<0.1	640	1	40	14	179	83
L98200E-47337.5N	15	172	50	<0.1	540	3	210	16	140	112
L98200E-47350N	29	175	60	<0.1	490	1	150	27	80	82
L98200E-47362.5N	48	209	20	<0.1	490	<1	120	16	100	68
L98200E-47387.5N	4	209	40	<0.1	450	2	130	20	55	88
L98200E-47400N	28	247	30	<0.1	600	2	80	24	133	87
L98200E-47412.5N	22	258	40	<0.1	690	2	70	18	64	108
L98200E-47425.5N	7	268	100	<0.1	900	3	80	29	100	89
L98200E-47437.5N	63	179	20	0.2	430	<1	90	27	147	46
L98200E-47450N	68	24	<10	0.5	700	<1	440	10	10	102

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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
L98200E-47475N	25	242	20	0.1	580	<1	50	16	122	62
L98200E-47487.5N	16	223	40	<0.1	660	2	80	19	106	58
L98200E-47500N	26	220	50	0.4	1270	2	80	15	1230	62
L98200E-47512.5N	18	220	10	<0.1	470	1	50	28	55	47
L98200E-47525N	32	222	10	0.2	750	<1	70	11	158	41
L98200E-47537.5N	23	225	40	<0.1	690	2	70	44	110	55
L98200E-47550N	10	275	40	0.1	580	1	40	28	242	63
L98200E-47562.5N	17	205	40	<0.1	680	2	60	35	89	48
L98200E-47575N	23	191	40	<0.1	760	2	160	57	72	56
L98200E-47587.5N	11	237	20	<0.1	520	1	80	23	193	47
L98200E-47600N	19	>300	30	0.4	470	<1	20	21	65	104
L98200E-47612.5N	2	94	<10	<0.1	140	<1	10	9	31	24
L98200E-47637.5N	20	290	50	<0.1	400	2	20	36	56	203
L98200E-47650N	13	273	60	<0.1	380	3	60	31	37	289
L98200E-47662.5N	14	191	30	0.2	670	<1	200	42	143	112
L98200E-47675N	9	237	80	<0.1	710	2	120	74	47	67
L98200E-47687.5N	56	29	<10	0.1	310	<1	470	10	8	79
L98200E-47700N	64	94	10	<0.1	480	<1	330	39	109	49
L98200E-46650N	10	266	70	<0.1	720	3	100	22	80	90
L98200E-47462.5N	46	201	30	<0.1	520	1	160	27	92	57
*Dup L98200E-46400N	9	75	40	0.1	770	<1	260	13	453	191
*Dup L98200E-46562.5N	41	9	20	1.1	450	<1	350	9	38	54
*Dup L98200E-46737.5N	22	211	30	<0.1	450	1	90	19	62	38
*Dup L98200E-46887.5N	3	258	30	<0.1	750	6	100	15	10	247
*Dup L98200E-47475N	24	252	20	<0.1	520	1	40	19	84	78
*Dup L98200E-47637.5N	22	283	50	0.1	330	2	20	33	62	185
*Std MMISRM14	18	38	10	49.9	80	<1	260	8	13	47
*Std MMISRM14	20	40	10	49.2	60	<1	260	8	15	47
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	2	<10	0.3	<10	<1	<10	<1	<5	<5

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98200E-46400N	<100	870	14	6.2	7.6	60	29	154	5	24
L98200E-46412.5N	<100	1750	1	0.7	0.6	9	2	13	<5	51
L98200E-46425N	<100	1840	1	1.0	<0.5	5	2	4	<5	58
L98200E-46437.5N	<100	840	11	5.2	4.9	180	19	87	<5	46
L98200E-46450N	<100	180	1	0.8	0.6	44	2	10	<5	11
L98200E-46462.5N	<100	260	4	2.1	1.6	37	6	34	<5	27
L98200E-46475N	<100	390	7	3.3	2.9	34	11	56	<5	7
L98200E-46500N	<100	440	7	4.1	1.9	93	7	20	9	17
L98200E-46512.5N	100	290	12	6.1	3.7	87	13	43	8	4
L98200E-46525N	<100	540	10	5.7	2.8	97	12	34	8	16
L98200E-46537.5N	<100	480	7	3.6	2.5	94	10	54	5	24
L98200E-46550N	<100	3410	122	61.1	54.9	23	231	787	6	99
L98200E-46562.5N	<100	2980	16	7.5	8.1	8	34	104	<5	107
L98200E-46575N	<100	1470	6	2.6	2.6	4	11	27	<5	70
L98200E-46600N	100	260	7	3.8	2.6	92	9	43	16	11
L98200E-46612.5N	<100	320	8	3.9	2.7	46	10	41	6	24
L98200E-46625N	<100	160	9	4.3	3.5	55	12	79	6	8
L98200E-46637.5N	100	380	15	6.8	5.8	93	22	114	14	4
L98200E-46662.5N	<100	220	9	4.3	2.5	55	9	20	13	9
L98200E-46675N	100	170	6	2.8	2.3	82	8	54	17	18
L98200E-46687.5N	<100	320	20	9.2	8.9	24	34	205	<5	4
L98200E-46700N	100	430	6	3.4	1.9	194	7	25	15	21
L98200E-46712.5N	100	290	9	4.5	2.2	142	9	32	19	9
L98200E-46725N	<100	220	9	4.3	2.9	70	11	47	9	2
L98200E-46737.5N	<100	230	8	3.9	2.6	49	9	36	7	13
L98200E-46750N	<100	390	17	8.5	5.9	79	22	71	21	9
L98200E-46762.5N	<100	450	7	3.9	1.8	157	6	23	21	19
L98200E-46775N	<100	320	11	6.1	3.2	56	12	32	9	6
L98200E-46787.5N	<100	190	9	4.9	2.7	58	9	21	8	8
L98200E-46800N	<100	130	6	2.6	2.4	23	9	35	<5	10
L98200E-46812.5N	<100	230	10	5.0	3.4	67	12	37	11	9
L98200E-46825N	<100	230	27	13.1	9.7	145	39	144	22	11
L98200E-46837.5N	<100	290	18	8.5	7.7	85	29	110	11	15
L98200E-46850N	<100	260	24	12.7	7.7	95	30	92	22	21
L98200E-46862.5N	<100	220	5	2.5	1.8	51	6	26	10	16
L98200E-46875N	100	300	9	4.5	2.2	90	8	22	10	11
L98200E-46887.5N	<100	130	2	1.7	<0.5	92	1	3	5	19
L98200E-46900N	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.
L98200E-47325N	100	210	14	7.4	4.5	72	17	53	6	5
L98200E-47337.5N	<100	470	24	12.2	8.6	63	34	111	5	21
L98200E-47350N	<100	250	10	4.8	3.5	56	13	49	<5	13
L98200E-47362.5N	<100	270	12	5.6	4.0	54	16	72	<5	6
L98200E-47387.5N	<100	240	9	4.4	2.7	48	10	39	<5	14
L98200E-47400N	<100	320	9	4.1	3.4	48	13	68	6	6
L98200E-47412.5N	<100	520	10	5.3	2.8	75	10	41	8	10
L98200E-47425.5N	200	410	13	6.7	3.9	92	15	54	16	13
L98200E-47437.5N	<100	270	15	6.7	4.9	31	18	82	7	6
L98200E-47450N	<100	830	2	0.8	0.8	3	3	5	<5	56

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98200E-47475N	<100	240	14	6.6	3.9	39	14	49	<5	5
L98200E-47487.5N	100	310	9	4.3	3.1	62	12	54	7	9
L98200E-47500N	100	990	170	75.6	61.2	46	251	1080	<5	9
L98200E-47512.5N	<100	240	9	4.3	2.6	26	9	36	<5	3
L98200E-47525N	<100	320	23	10.4	7.9	35	30	117	<5	4
L98200E-47537.5N	<100	530	39	21.7	13.3	48	54	136	<5	6
L98200E-47550N	100	440	19	9.5	4.6	56	18	54	<5	3
L98200E-47562.5N	<100	280	11	5.7	3.4	49	13	56	<5	4
L98200E-47575N	<100	400	12	6.8	3.7	43	14	38	<5	21
L98200E-47587.5N	<100	340	15	7.2	4.6	41	18	56	<5	6
L98200E-47600N	<100	390	9	4.7	2.3	52	8	26	<5	2
L98200E-47612.5N	<100	140	3	1.5	1.0	29	3	14	9	2
L98200E-47637.5N	<100	450	11	6.8	2.0	79	8	15	13	5
L98200E-47650N	<100	260	9	5.0	2.6	90	9	24	11	8
L98200E-47662.5N	<100	430	13	6.4	4.5	36	18	68	7	20
L98200E-47675N	<100	490	8	4.9	1.6	84	7	14	15	10
L98200E-47687.5N	<100	730	1	0.6	0.6	4	2	5	<5	44
L98200E-47700N	<100	270	9	4.3	3.1	16	13	30	<5	25
L98200E-46650N	100	360	8	4.2	2.6	143	10	51	27	9
L98200E-47462.5N	<100	390	11	5.2	3.6	45	14	52	13	17
*Dup L98200E-46400N	<100	930	17	8.4	7.7	78	30	182	8	32
*Dup L98200E-46562.5N	<100	3060	16	7.5	7.6	7	32	84	<5	118
*Dup L98200E-46737.5N	<100	230	9	4.4	2.6	58	10	36	12	10
*Dup L98200E-46887.5N	<100	150	2	2.3	<0.5	93	1	5	5	14
*Dup L98200E-47475N	<100	280	14	6.9	3.3	44	13	32	<5	6
*Dup L98200E-47637.5N	<100	450	10	6.0	2.3	71	9	19	<5	4
*Std MMISRM14	<100	740	2	0.7	0.8	2	3	2	<5	39
*Std MMISRM14	<100	730	2	0.7	0.8	2	3	3	<5	39
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

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98200E-46400N	6	2.0	180	145	260	<1	46	60	<1	25
L98200E-46412.5N	6	<0.5	15	311	<10	<1	4	8	<1	<5
L98200E-46425N	<5	<0.5	6	273	50	<1	1	6	1	<5
L98200E-46437.5N	5	1.1	112	428	260	<1	29	50	<1	29
L98200E-46450N	<5	0.8	11	154	230	<1	3	27	<1	9
L98200E-46462.5N	6	0.6	35	214	80	<1	9	58	<1	10
L98200E-46475N	<5	1.9	61	143	210	<1	16	56	2	19
L98200E-46500N	<5	1.0	28	307	810	<1	7	18	<1	21
L98200E-46512.5N	<5	4.3	54	269	890	<1	14	117	2	35
L98200E-46525N	<5	2.7	46	373	5130	<1	11	144	1	34
L98200E-46537.5N	<5	3.8	49	395	710	<1	13	78	2	25
L98200E-46550N	<5	0.8	1160	430	180	<1	258	71	<1	59
L98200E-46562.5N	<5	<0.5	158	208	30	<1	34	37	<1	14
L98200E-46575N	<5	<0.5	45	268	70	<1	9	43	<1	7
L98200E-46600N	<5	4.2	42	446	580	<1	11	97	2	31
L98200E-46612.5N	<5	2.4	44	432	540	<1	11	138	2	21
L98200E-46625N	<5	4.0	71	138	290	<1	19	146	<1	25
L98200E-46637.5N	<5	4.2	124	196	360	<1	32	97	<1	41
L98200E-46662.5N	<5	2.9	30	330	690	<1	7	62	1	22
L98200E-46675N	<5	6.5	46	217	190	<1	12	126	<1	27
L98200E-46687.5N	<5	1.1	207	115	270	<1	55	109	1	30
L98200E-46700N	<5	6.0	28	487	940	<1	7	63	3	36
L98200E-46712.5N	<5	5.9	34	637	770	<1	9	155	3	34
L98200E-46725N	<5	3.2	50	214	340	<1	13	92	2	25
L98200E-46737.5N	<5	2.3	40	306	480	<1	10	97	2	23
L98200E-46750N	<5	6.2	97	356	350	<1	23	119	2	35
L98200E-46762.5N	<5	8.6	21	713	380	<1	5	106	2	32
L98200E-46775N	<5	2.4	45	320	680	<1	10	100	1	26
L98200E-46787.5N	<5	2.9	32	452	360	<1	7	110	2	24
L98200E-46800N	<5	1.0	40	245	210	<1	10	89	1	12
L98200E-46812.5N	<5	3.0	49	331	620	<1	12	96	2	20
L98200E-46825N	<5	3.5	198	272	620	<1	47	76	1	42
L98200E-46837.5N	<5	2.3	150	315	620	<1	36	82	<1	38
L98200E-46850N	<5	4.0	135	516	560	<1	30	100	1	29
L98200E-46862.5N	<5	2.8	26	472	440	<1	7	91	<1	17
L98200E-46875N	<5	4.0	29	489	550	<1	7	139	1	26
L98200E-46887.5N	<5	1.2	4	240	230	<1	1	162	<1	14
L98200E-46900N	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.
L98200E-47325N	<5	3.8	71	291	650	<1	17	125	2	34
L98200E-47337.5N	<5	3.0	164	497	1180	<1	38	35	2	32
L98200E-47350N	<5	2.9	56	448	750	<1	14	149	1	23
L98200E-47362.5N	<5	2.7	72	245	490	<1	18	155	1	26
L98200E-47387.5N	<5	2.5	43	213	990	<1	10	91	2	25
L98200E-47400N	<5	2.3	64	451	620	<1	17	105	2	23
L98200E-47412.5N	<5	3.1	45	446	1040	<1	11	92	2	29
L98200E-47425.5N	5	7.0	67	278	690	<1	17	146	3	42
L98200E-47437.5N	5	3.8	82	253	540	<1	21	125	1	32
L98200E-47450N	<5	0.6	11	106	20	<1	2	65	<1	<5

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98200E-47475N	<5	2.0	60	264	530	<1	15	117	1	27
L98200E-47487.5N	<5	3.2	55	316	2810	<1	14	104	2	28
L98200E-47500N	<5	3.9	1240	132	760	<1	315	135	1	196
L98200E-47512.5N	<5	1.4	39	324	470	<1	9	106	1	19
L98200E-47525N	<5	1.5	150	153	360	<1	36	114	<1	30
L98200E-47537.5N	<5	2.2	243	326	880	<1	53	87	2	49
L98200E-47550N	<5	2.5	69	309	440	<1	16	139	1	43
L98200E-47562.5N	<5	2.4	56	308	520	<1	14	103	2	30
L98200E-47575N	<5	1.2	55	547	780	<1	12	86	1	27
L98200E-47587.5N	<5	2.2	70	222	580	<1	17	120	2	34
L98200E-47600N	<5	1.6	33	399	470	<1	8	176	2	29
L98200E-47612.5N	<5	2.5	14	63	140	<1	4	56	<1	12
L98200E-47637.5N	<5	4.1	26	413	1130	<1	6	98	3	33
L98200E-47650N	<5	4.7	32	505	760	<1	7	61	2	35
L98200E-47662.5N	<5	1.7	82	458	720	<1	20	169	1	24
L98200E-47675N	<5	4.1	20	648	760	<1	5	111	3	32
L98200E-47687.5N	<5	<0.5	9	124	20	<1	2	56	<1	<5
L98200E-47700N	<5	0.5	52	349	820	<1	11	105	<1	11
L98200E-46650N	<5	8.6	45	488	630	<1	12	149	2	34
L98200E-47462.5N	<5	3.7	61	383	460	<1	14	145	1	26
*Dup L98200E-46400N	6	1.8	200	217	400	<1	52	79	<1	32
Dup L98200E-46562.5N	<5	<0.5	140	207	30	<1	29	38	<1	14
Dup L98200E-46737.5N	<5	3.4	40	286	470	<1	10	111	2	26
*Dup L98200E-46887.5N	<5	1.5	5	232	310	<1	1	175	<1	16
*Dup L98200E-47475N	<5	1.6	46	314	630	<1	11	123	2	27
Dup L98200E-47637.5N	<5	2.1	31	437	1120	<1	7	84	3	30
Std MMISRM14	35	<0.5	10	266	100	46	2	282	<1	7
*Std MMISRM14	36	<0.5	11	270	110	46	2	282	<1	7
BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
BIK BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98200E-46400N	33	<1	310	1	4	<10	17.1	541	<0.5	7
L98200E-46412.5N	2	<1	220	<1	<1	<10	3.5	4	<0.5	9
L98200E-46425N	1	<1	240	<1	<1	<10	2.1	<3	<0.5	7
L98200E-46437.5N	22	<1	270	<1	3	<10	15.3	239	<0.5	13
L98200E-46450N	2	<1	80	<1	<1	<10	5.0	122	<0.5	2
L98200E-46462.5N	6	<1	160	<1	<1	<10	5.8	135	<0.5	6
L98200E-46475N	12	<1	80	<1	2	<10	30.1	704	<0.5	5
L98200E-46500N	7	<1	200	<1	1	<10	10.8	396	<0.5	5
L98200E-46512.5N	12	<1	60	<1	2	<10	18.7	2310	<0.5	5
L98200E-46525N	11	1	130	<1	2	<10	16.8	1430	<0.5	3
L98200E-46537.5N	10	1	170	<1	1	<10	14.7	2020	<0.5	4
L98200E-46550N	235	<1	500	<1	28	<10	46.3	177	<0.5	19
L98200E-46562.5N	33	<1	400	<1	4	<10	7.7	81	<0.5	3
L98200E-46575N	11	<1	460	<1	1	<10	3.6	21	<0.5	2
L98200E-46600N	9	<1	120	<1	1	<10	11.5	1980	<0.5	3
L98200E-46612.5N	10	<1	240	<1	2	<10	10.0	1220	<0.5	3
L98200E-46625N	14	<1	110	<1	2	<10	17.0	2100	<0.5	5
L98200E-46637.5N	24	<1	50	<1	3	<10	24.5	2160	<0.5	6
L98200E-46662.5N	8	<1	100	<1	2	<10	7.5	1320	<0.5	3
L98200E-46675N	9	1	120	<1	1	<10	11.3	3530	<0.5	4
L98200E-46687.5N	38	<1	60	<1	5	<10	15.1	459	<0.5	6
L98200E-46700N	7	2	320	<1	1	<10	9.5	2960	<0.5	3
L98200E-46712.5N	8	2	100	<1	2	<10	15.5	3010	<0.5	6
L98200E-46725N	11	<1	20	<1	2	<10	13.4	1460	<0.5	5
L98200E-46737.5N	9	<1	110	<1	1	<10	9.9	1010	<0.5	4
L98200E-46750N	22	1	100	<1	3	<10	19.8	2740	<0.5	7
L98200E-46762.5N	5	2	210	<1	1	<10	10.1	3690	<0.5	4
L98200E-46775N	11	<1	40	<1	2	<10	9.2	963	<0.5	4
L98200E-46787.5N	8	<1	60	<1	2	<10	7.7	1300	<0.5	4
L98200E-46800N	10	<1	80	<1	1	<10	14.2	348	<0.5	3
L98200E-46812.5N	12	<1	70	<1	2	<10	9.9	1360	<0.5	3
L98200E-46825N	41	<1	100	<1	6	<10	18.1	1180	<0.5	6
L98200E-46837.5N	31	<1	140	<1	4	<10	15.3	789	<0.5	4
L98200E-46850N	30	<1	240	<1	5	<10	13.8	1720	<0.5	7
L98200E-46862.5N	5	<1	230	<1	1	<10	7.1	1270	<0.5	3
L98200E-46875N	7	<1	170	<1	2	<10	9.8	2390	<0.5	3
L98200E-46887.5N	1	<1	380	<1	<1	<10	5.2	578	<0.5	2
L98200E-46900N	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.
L98200E-47325N	16	<1	70	<1	3	<10	19.9	2220	<0.5	6
L98200E-47337.5N	36	<1	250	<1	5	<10	17.0	1530	<0.5	4
L98200E-47350N	12	<1	130	<1	2	<10	12.7	1790	<0.5	5
L98200E-47362.5N	15	<1	100	<1	2	<10	16.9	1640	<0.5	6
L98200E-47387.5N	10	<1	190	<1	2	<10	10.3	1230	<0.5	4
L98200E-47400N	13	<1	120	<1	2	<10	16.4	1200	<0.5	5
L98200E-47412.5N	10	<1	180	<1	2	<10	14.3	1420	<0.5	3
L98200E-47425.5N	15	2	140	<1	2	<10	24.9	3300	<0.5	8
L98200E-47437.5N	18	<1	70	2	3	<10	24.4	1020	<0.5	8
L98200E-47450N	3	<1	510	<1	<1	<10	5.0	10	<0.5	3

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L98200E-47475N	14	<1	70	<1	3	<10	13.9	679	<0.5	5
L98200E-47487.5N	11	<1	80	<1	2	<10	18.3	1570	<0.5	5
L98200E-47500N	264	<1	180	<1	37	<10	76.6	1730	<0.5	25
L98200E-47512.5N	9	<1	60	<1	2	<10	9.7	502	<0.5	3
L98200E-47525N	32	<1	80	<1	5	<10	15.4	620	<0.5	6
L98200E-47537.5N	54	<1	80	<1	8	<10	18.1	883	<0.5	7
L98200E-47550N	17	<1	50	<1	3	<10	31.4	1210	<0.5	7
L98200E-47562.5N	12	<1	70	<1	2	<10	14.5	1230	<0.5	5
L98200E-47575N	13	<1	210	<1	2	<10	15.6	431	<0.5	3
L98200E-47587.5N	17	<1	80	<1	3	<10	21.0	1000	<0.5	6
L98200E-47600N	8	<1	30	<1	2	<10	14.0	712	<0.5	5
L98200E-47612.5N	3	<1	<10	<1	<1	<10	7.0	1190	<0.5	2
L98200E-47637.5N	6	1	50	<1	2	<10	10.5	1790	<0.5	3
L98200E-47650N	8	<1	110	<1	2	<10	9.4	2490	<0.5	3
L98200E-47662.5N	18	<1	260	<1	3	<10	24.3	726	<0.5	5
L98200E-47675N	6	1	160	<1	1	<10	18.9	2040	<0.5	5
L98200E-47687.5N	2	<1	430	<1	<1	<10	1.9	38	<0.5	2
L98200E-47700N	12	<1	200	<1	2	<10	5.0	162	<0.5	4
L98200E-46650N	10	2	100	<1	2	<10	15.6	4260	<0.5	4
L98200E-47462.5N	13	<1	160	<1	2	<10	15.8	1820	<0.5	5
*Dup L98200E-46400N	34	<1	330	<1	4	<10	13.8	721	<0.5	10
*Dup L98200E-46562.5N	31	<1	410	<1	4	<10	6.0	73	<0.5	3
*Dup L98200E-46737.5N	9	<1	90	<1	2	<10	10.5	1330	<0.5	4
*Dup L98200E-46887.5N	1	<1	280	<1	<1	<10	5.8	689	<0.5	2
*Dup L98200E-47475N	11	<1	70	<1	2	<10	12.2	673	<0.5	5
*Dup L98200E-47637.5N	8	<1	40	<1	2	<10	11.3	1350	<0.5	3
*Std MMISRM14	3	<1	500	<1	<1	<10	15.1	<3	<0.5	37
*Std MMISRM14	3	<1	500	<1	<1	<10	15.2	<3	<0.5	36
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98200E-46400N	3	74	6	310	21
L98200E-46412.5N	<1	9	<1	200	<5
L98200E-46425N	<1	10	<1	200	<5
L98200E-46437.5N	<1	54	4	420	19
L98200E-46450N	<1	7	<1	140	7
L98200E-46462.5N	<1	19	2	120	10
L98200E-46475N	<1	25	2	290	51
L98200E-46500N	<1	35	4	720	12
L98200E-46512.5N	<1	56	5	120	39
L98200E-46525N	<1	56	4	1350	23
L98200E-46537.5N	<1	38	3	720	25
L98200E-46550N	<1	732	46	490	93
L98200E-46562.5N	<1	109	6	130	23
L98200E-46575N	<1	36	2	400	15
L98200E-46600N	<1	39	3	500	29
L98200E-46612.5N	<1	42	3	500	23
L98200E-46625N	<1	45	3	130	32
L98200E-46637.5N	<1	71	5	180	46
L98200E-46662.5N	<1	42	3	260	17
L98200E-46675N	<1	28	2	550	37
L98200E-46687.5N	<1	108	7	240	20
L98200E-46700N	<1	34	3	2060	32
L98200E-46712.5N	<1	45	4	3290	37
L98200E-46725N	<1	42	3	530	30
L98200E-46737.5N	<1	39	3	1120	22
L98200E-46750N	<1	87	6	1050	47
L98200E-46762.5N	<1	36	3	3970	39
L98200E-46775N	<1	60	5	660	19
L98200E-46787.5N	<1	47	3	370	20
L98200E-46800N	<1	27	2	1400	16
L98200E-46812.5N	<1	49	4	2030	20
L98200E-46825N	<1	149	10	90	43
L98200E-46837.5N	<1	93	6	170	40
L98200E-46850N	<1	135	9	450	31
L98200E-46862.5N	<1	26	2	1690	18
L98200E-46875N	<1	43	3	1810	28
L98200E-46887.5N	<1	9	2	1200	11
L98200E-46900N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98200E-47325N	<1	72	5	160	36
L98200E-47337.5N	<1	135	9	710	35
L98200E-47350N	<1	52	4	460	24
L98200E-47362.5N	<1	60	4	410	30
L98200E-47387.5N	<1	45	3	1180	25
L98200E-47400N	<1	45	3	610	29
L98200E-47412.5N	<1	51	4	600	28
L98200E-47425.5N	<1	61	5	1620	56
L98200E-47437.5N	4	71	5	890	34
L98200E-47450N	1	9	<1	60	5

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Final : 094067 Order: KAR ENTERPRISES

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98200E-47475N	<1	67	5	370	24
L98200E-47487.5N	<1	43	3	1180	36
L98200E-47500N	1	796	52	560	142
L98200E-47512.5N	<1	41	3	1620	19
L98200E-47525N	<1	119	8	250	28
L98200E-47537.5N	<1	243	16	1760	34
L98200E-47550N	<1	87	7	1970	47
L98200E-47562.5N	<1	59	4	1150	26
L98200E-47575N	<1	69	5	3890	20
L98200E-47587.5N	<1	65	5	1340	39
L98200E-47600N	<1	43	3	1440	26
L98200E-47612.5N	<1	14	1	840	21
L98200E-47637.5N	<1	61	5	3200	28
L98200E-47650N	<1	51	4	2560	28
L98200E-47662.5N	<1	65	4	2260	30
L98200E-47675N	<1	40	4	5740	34
L98200E-47687.5N	<1	7	<1	110	<5
L98200E-47700N	2	48	3	710	9
L98200E-46650N	<1	43	3	460	43
L98200E-47462.5N	<1	54	3	950	31
*Dup L98200E-46400N	<1	95	7	440	28
*Dup L98200E-46562.5N	<1	104	6	110	20
*Dup L98200E-46737.5N	<1	44	3	930	25
*Dup L98200E-46887.5N	<1	11	3	1350	12
*Dup L98200E-47475N	<1	69	5	480	22
*Dup L98200E-47637.5N	<1	55	4	2960	22
*Std MMISRM14	<1	8	<1	320	12
*Std MMISRM14	<1	8	<1	330	15
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	2	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094065

To: **Geotronics Consulting Inc.**

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

Date: Aug 01, 2007

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 51
Date Submitted Jul 13, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

51 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General 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

Member of the SGS Group (Société Générale de Surveillance)



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
L98400E-46837.5N	31	48	20	0.2	690	<1	300	21	228	286
L98400E-46850N	34	247	120	<0.1	1190	3	80	27	69	319
L98400E-46862.5N	19	203	80	<0.1	570	8	70	57	48	346
L98400E-46875N	40	162	60	<0.1	350	2	120	21	46	194
L98400E-46887.5N	13	125	30	<0.1	620	1	220	65	31	61
L98400E-46900N	22	196	30	<0.1	420	1	100	36	53	60
L98400E-46912.5N	39	238	30	<0.1	520	2	40	26	67	165
L98400E-46937.5N	49	31	<10	0.2	530	<1	440	19	29	29
L98400E-46950N	14	183	130	<0.1	730	11	100	115	60	310
L98400E-46962.5N	22	179	90	<0.1	660	7	120	118	94	151
L98400E-46975N	9	219	110	<0.1	680	6	50	82	29	403
L98400E-46987.5N	26	>300	230	<0.1	1050	9	170	192	380	245
L98400E-47000N	43	275	90	<0.1	380	2	<10	44	33	210
L98400E-47012.5N	17	243	30	<0.1	260	3	20	29	19	319
L98400E-47037.5N	24	246	70	<0.1	660	2	80	30	109	204
L98400E-47050N	77	193	10	<0.1	410	<1	50	13	338	31
L98400E-47062.5N	310	58	<10	0.3	490	<1	790	60	145	35
L98400E-47075N	89	192	100	<0.1	450	4	110	21	101	156
L98400E-47112.5N	190	121	160	0.6	1010	4	40	4	3470	127
L98400E-47125N	408	153	40	0.3	660	1	30	5	1330	62
L98400E-47137.5N	111	81	10	0.2	190	<1	20	7	1110	24
L98400E-47150N	41	207	60	0.2	550	2	100	35	619	161
L98400E-47162.5N	128	153	60	0.3	570	<1	170	11	487	64
L98400E-47175N	36	252	90	<0.1	340	3	40	14	44	181
L98400E-47200N	33	>300	60	<0.1	400	3	120	58	177	752
L98400E-47212.5N	26	244	50	0.2	190	3	10	41	104	594
L98400E-47262.5N	21	92	20	<0.1	230	3	230	50	51	209
L98400E-47275N	170	7	20	<0.1	330	<1	430	47	16	48
L98400E-47287.5N	130	6	30	0.3	280	<1	340	20	100	84
L18400E-47300N	11	121	100	<0.1	560	16	240	166	82	902
L18400E-47312.5N	72	55	90	0.4	270	<1	250	35	1310	127
L98400E-47325N	307	28	<10	0.3	730	<1	260	15	67	16
L98400E-47337.5N	167	54	10	0.1	770	<1	330	20	55	41
L98400E-47362.5N	32	215	150	<0.1	520	16	90	68	68	318
L98400E-47375N	33	232	70	<0.1	450	4	50	38	48	255
L98400E-47387.5N	3	51	20	<0.1	490	9	130	46	41	570
L98400E-47400N	83	151	30	0.2	560	<1	100	17	486	50
L98400E-47412.5N	47	165	40	0.1	430	1	180	42	163	88
L98400E-47425N	110	75	10	0.1	460	<1	260	23	147	31
L18400E-47437.5N	379	42	<10	0.2	690	<1	820	76	156	63
L98400E-47450N	200	19	<10	<0.1	450	<1	460	38	67	57
L98400E-47462.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98400E-47475N	56	130	40	<0.1	580	4	220	62	181	94
L98400E-47487.5N	80	234	40	<0.1	630	2	30	17	48	153
L98400E-47500N	71	257	200	<0.1	1010	5	30	24	103	321
L98400E-47512.5N	26	229	70	<0.1	970	5	60	57	54	266
L98400E-47525N	56	263	70	<0.1	670	2	40	21	51	224
L98400E-47537.5N	68	188	70	<0.1	460	2	70	16	73	117

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	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
L98400E-47550N	79	227	50	0.1	780	2	40	16	65	102
L98400E-47562.5N	86	205	60	0.1	620	3	50	17	78	118
L18400E-47437.5NA	80	39	10	0.1	830	<1	290	28	151	30
*Dup L98400E-46837.5N	43	40	20	0.1	510	<1	290	14	183	212
*Dup L98400E-47000N	44	259	100	<0.1	420	2	10	43	39	166
*Dup L98400E-47200N	26	>300	80	<0.1	410	3	90	51	137	681
*Dup L98400E-47400N	77	144	30	0.2	500	<1	90	19	374	48
*Dup L98400E-47550N	78	223	50	<0.1	810	2	20	14	60	108
*Std MMISRM14	21	31	<10	42.0	80	<1	240	9	12	44
*Std MMISRM14	19	30	20	43.8	110	<1	250	9	13	46
*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	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98400E-46837.5N	<100	910	5	2.4	2.1	37	9	36	<5	53
L98400E-46850N	300	420	8	3.8	2.3	158	9	30	25	12
L98400E-46862.5N	100	790	9	4.6	2.1	124	8	19	11	12
L98400E-46875N	<100	250	6	3.0	1.9	75	7	22	<5	15
L98400E-46887.5N	<100	270	5	2.2	1.3	42	5	10	5	16
L98400E-46900N	<100	500	9	4.6	1.9	39	8	11	<5	13
L98400E-46912.5N	<100	410	13	6.2	2.5	71	10	18	7	10
L98400E-46937.5N	<100	1370	15	7.9	5.4	4	24	41	<5	66
L98400E-46950N	100	770	9	6.0	2.1	167	9	18	11	16
L98400E-46962.5N	<100	670	9	5.3	2.4	107	10	23	12	20
L98400E-46975N	<100	740	7	5.7	0.8	130	3	5	9	11
L98400E-46987.5N	200	1460	36	19.9	9.0	188	37	85	22	22
L98400E-47000N	<100	580	7	4.1	1.1	63	4	8	7	5
L98400E-47012.5N	<100	470	7	4.4	1.2	86	4	5	<5	7
L98400E-47037.5N	<100	670	12	5.7	2.9	64	12	31	8	10
L98400E-47050N	<100	460	14	5.1	4.8	24	18	65	<5	3
L98400E-47062.5N	<100	1920	38	17.7	16.5	6	71	140	<5	85
L98400E-47075N	100	550	10	5.2	3.1	95	13	33	6	10
L98400E-47112.5N	300	5430	332	161	142	75	607	4030	<5	8
L98400E-47125N	100	1290	62	30.7	25.8	25	104	565	<5	3
L98400E-47137.5N	<100	530	40	18.2	14.5	7	56	155	<5	1
L98400E-47150N	100	2360	83	40.5	29.5	54	125	456	<5	7
L98400E-47162.5N	<100	1190	69	31.5	28.9	32	125	539	<5	12
L98400E-47175N	<100	480	10	4.9	2.4	77	9	19	<5	6
L98400E-47200N	<100	1300	27	13.8	6.9	94	27	58	<5	9
L98400E-47212.5N	<100	1870	20	11.4	4.3	40	17	35	<5	2
L98400E-47262.5N	<100	260	6	3.2	1.7	45	7	13	12	28
L98400E-47275N	<100	510	3	1.2	1.3	4	5	10	8	61
L98400E-47287.5N	<100	2060	5	2.4	2.3	7	10	30	7	39
L18400E-47300N	<100	550	11	7.2	2.7	48	12	40	7	37
L18400E-47312.5N	<100	3000	84	37.7	39.3	32	170	833	<5	31
L98400E-47325N	<100	3760	26	11.3	10.9	4	52	147	<5	39
L98400E-47337.5N	<100	660	10	4.6	4.6	13	20	86	<5	20
L98400E-47362.5N	100	590	9	4.8	2.7	164	11	47	14	10
L98400E-47375N	<100	470	10	4.7	2.8	64	10	24	7	7
L98400E-47387.5N	<100	530	3	1.4	1.0	23	4	26	<5	24
L98400E-47400N	<100	650	60	30.9	24.6	29	105	430	<5	4
L98400E-47412.5N	<100	740	16	7.3	5.4	41	22	72	<5	11
L98400E-47425N	<100	620	5	2.0	1.9	10	7	17	<5	28
L18400E-47437.5N	<100	570	30	13.7	13.7	8	60	140	<5	85
L98400E-47450N	<100	510	18	7.6	8.2	5	36	79	<5	48
L98400E-47462.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98400E-47475N	<100	750	56	29.0	20.0	29	90	273	<5	29
L98400E-47487.5N	<100	210	9	5.0	2.5	47	9	21	5	6
L98400E-47500N	200	480	9	4.8	2.3	128	9	29	10	9
L98400E-47512.5N	<100	570	7	4.0	1.4	93	6	17	8	16
L98400E-47525N	200	400	8	4.4	1.8	95	7	17	11	8
L98400E-47537.5N	100	200	8	3.9	2.6	66	9	22	<5	8

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
L98400E-47550N	100	220	10	5.1	2.7	67	10	23	6	5
L98400E-47562.5N	100	340	11	5.7	3.2	77	13	42	<5	6
L18400E-47437.5NA	<100	220	10	4.8	4.4	8	20	60	<5	32
*Dup L98400E-46837.5N	<100	700	4	2.2	1.8	31	7	32	<5	49
*Dup L98400E-47000N	<100	540	6	3.7	1.2	56	5	10	<5	4
*Dup L98400E-47200N	100	1440	24	13.3	5.4	101	21	42	<5	7
*Dup L98400E-47400N	<100	730	58	31.5	21.2	23	88	299	<5	4
*Dup L98400E-47550N	100	230	10	5.4	2.5	76	9	22	7	5
*Std MMISRM14	<100	760	1	0.6	0.8	2	3	2	<5	36
*Std MMISRM14	<100	810	1	0.6	0.7	2	3	2	<5	36
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

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98400E-46837.5N	<5	<0.5	44	366	150	<1	11	72	<1	14
L98400E-46850N	7	7.8	35	521	750	<1	8	92	2	43
L98400E-46862.5N	<5	4.6	26	400	2370	<1	6	171	3	28
L98400E-46875N	<5	2.8	27	377	510	<1	7	110	1	23
L98400E-46887.5N	<5	1.6	16	479	600	<1	4	195	1	19
L98400E-46900N	<5	1.5	22	401	450	<1	5	192	2	23
L98400E-46912.5N	<5	1.3	36	279	700	<1	8	184	1	26
L98400E-46937.5N	<5	<0.5	81	303	40	<1	16	102	<1	8
L98400E-46950N	<5	7.1	28	535	2900	<1	6	95	4	45
L98400E-46962.5N	<5	4.1	36	512	1330	<1	8	263	3	34
L98400E-46975N	<5	2.5	7	496	1940	<1	2	132	3	22
L98400E-46987.5N	7	7.7	140	1200	1370	<1	32	159	7	82
L98400E-47000N	<5	1.8	12	540	1080	<1	3	128	2	26
L98400E-47012.5N	<5	2.9	11	304	1530	<1	2	76	2	21
L98400E-47037.5N	<5	3.0	44	591	1020	<1	10	67	2	23
L98400E-47050N	<5	1.2	81	130	650	<1	20	119	2	24
L98400E-47062.5N	6	<0.5	277	628	550	<1	55	161	<1	<5
L98400E-47075N	<5	2.8	53	482	1500	<1	12	106	3	24
L98400E-47112.5N	<5	4.4	3980	277	820	<1	1030	77	2	470
L98400E-47125N	<5	2.0	664	116	850	<1	161	97	2	90
L98400E-47137.5N	<5	<0.5	286	60	920	<1	62	108	1	54
L98400E-47150N	<5	2.1	638	690	1340	<1	144	174	3	94
L98400E-47162.5N	<5	1.4	688	342	650	<1	157	104	2	77
L98400E-47175N	<5	2.4	30	326	970	<1	7	38	2	23
L98400E-47200N	6	2.3	95	885	3390	<1	21	135	4	38
L98400E-47212.5N	<5	1.7	58	508	6250	<1	13	81	2	33
L98400E-47262.5N	<5	0.7	23	350	1470	<1	5	52	<1	8
L98400E-47275N	<5	<0.5	21	234	30	<1	4	25	<1	<5
L98400E-47287.5N	7	<0.5	49	325	30	<1	10	30	<1	<5
L18400E-47300N	<5	1.8	45	792	1500	<1	11	65	2	13
L18400E-47312.5N	<5	0.8	1020	650	400	<1	239	90	2	49
L98400E-47325N	<5	<0.5	224	97	20	<1	45	46	<1	10
L98400E-47337.5N	<5	<0.5	107	227	260	<1	24	120	<1	<5
L98400E-47362.5N	<5	7.2	52	444	2510	<1	13	64	5	31
L98400E-47375N	<5	2.6	37	622	980	<1	8	127	2	22
L98400E-47387.5N	<5	<0.5	15	1070	710	<1	5	47	<1	<5
L98400E-47400N	<5	2.2	590	192	480	<1	133	190	2	49
L98400E-47412.5N	<5	1.8	94	450	700	<1	21	212	3	24
L98400E-47425N	<5	<0.5	31	162	220	<1	7	188	1	<5
L18400E-47437.5N	13	<0.5	269	471	120	<1	53	164	<1	<5
L98400E-47450N	<5	<0.5	148	258	80	<1	29	74	<1	<5
L98400E-47462.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98400E-47475N	<5	0.7	399	399	1860	<1	85	110	1	38
L98400E-47487.5N	<5	1.8	33	312	790	<1	7	109	2	18
L98400E-47500N	<5	4.2	36	487	1370	<1	8	143	4	25
L98400E-47512.5N	<5	3.4	20	335	1660	<1	5	172	2	17
L98400E-47525N	<5	4.6	25	380	730	<1	6	111	<1	35
L98400E-47537.5N	<5	2.9	33	339	740	<1	7	104	2	35

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98400E-47550N	<5	4.1	35	335	530	<1	8	170	2	44
L98400E-47562.5N	<5	3.1	53	409	980	<1	12	155	3	36
L18400E-47437.5NA	<5	<0.5	96	251	220	<1	19	109	<1	13
*Dup L98400E-46837.5N	<5	<0.5	40	305	110	<1	10	60	<1	14
*Dup L98400E-47000N	<5	1.2	15	586	890	<1	4	115	3	32
*Dup L98400E-47200N	6	2.6	74	842	2870	<1	15	138	4	57
*Dup L98400E-47400N	<5	1.4	447	232	580	<1	97	180	2	62
*Dup L98400E-47550N	<5	4.2	33	340	530	<1	7	158	2	40
*Std MMISRM14	34	<0.5	8	255	80	48	2	291	<1	<5
*Std MMISRM14	36	<0.5	9	280	90	48	2	296	<1	13
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98400E-46837.5N	9	<1	360	<1	1	<10	4.5	41	<0.5	9
L98400E-46850N	8	2	180	<1	1	<10	14.9	3520	<0.5	3
L98400E-46862.5N	7	1	150	<1	1	<10	13.1	1700	<0.5	3
L98400E-46875N	6	<1	170	<1	1	<10	6.9	1350	<0.5	2
L98400E-46887.5N	4	<1	330	<1	<1	<10	7.5	756	<0.5	2
L98400E-46900N	7	<1	160	<1	1	<10	9.9	617	<0.5	6
L98400E-46912.5N	9	<1	150	<1	2	<10	11.6	366	<0.5	3
L98400E-46937.5N	21	<1	460	<1	3	<10	1.6	<3	<0.5	9
L98400E-46950N	8	2	140	<1	2	<10	16.2	3230	<0.5	5
L98400E-46962.5N	9	1	200	<1	2	<10	18.8	1560	<0.5	4
L98400E-46975N	2	1	140	<1	<1	<10	9.7	887	<0.5	3
L98400E-46987.5N	35	5	270	<1	6	<10	34.5	3520	<0.5	8
L98400E-47000N	3	<1	20	<1	<1	<10	12.2	709	<0.5	3
L98400E-47012.5N	3	<1	40	<1	<1	<10	6.4	1500	<0.5	3
L98400E-47037.5N	11	<1	90	<1	2	<10	15.0	1380	<0.5	4
L98400E-47050N	18	<1	30	<1	3	<10	30.6	455	<0.5	7
L98400E-47062.5N	68	<1	670	<1	8	<10	4.8	6	<0.5	37
L98400E-47075N	12	<1	90	<1	2	<10	20.1	1410	<0.5	4
L98400E-47112.5N	675	1	140	<1	74	<10	144	1430	0.6	27
L98400E-47125N	117	<1	50	<1	13	<10	58.5	720	<0.5	19
L98400E-47137.5N	62	<1	<10	<1	8	<10	17.3	20	<0.5	9
L98400E-47150N	127	<1	80	<1	16	<10	45.9	1040	<0.5	13
L98400E-47162.5N	130	<1	110	<1	15	<10	36.9	621	<0.5	11
L98400E-47175N	8	<1	70	<1	2	<10	8.4	1430	<0.5	3
L98400E-47200N	24	1	170	<1	5	<10	28.0	853	<0.5	10
L98400E-47212.5N	14	<1	20	<1	3	<10	14.6	763	<0.5	7
L98400E-47262.5N	6	<1	180	<1	1	<10	7.3	254	<0.5	2
L98400E-47275N	5	<1	320	<1	<1	<10	2.7	<3	<0.5	6
L98400E-47287.5N	10	<1	250	<1	1	<10	6.7	16	<0.5	6
L18400E-47300N	10	<1	340	<1	2	<10	13.8	346	<0.5	2
L18400E-47312.5N	182	<1	190	<1	19	<10	42.6	136	<0.5	13
L98400E-47325N	46	<1	320	<1	5	<10	13.7	<3	<0.5	16
L98400E-47337.5N	21	<1	260	<1	2	<10	5.9	60	<0.5	9
L98400E-47362.5N	11	3	120	<1	2	<10	13.7	3620	<0.5	4
L98400E-47375N	9	<1	80	<1	2	<10	8.5	1050	<0.5	3
L98400E-47387.5N	4	<1	360	<1	<1	<10	3.4	52	<0.5	<1
L98400E-47400N	105	<1	60	<1	12	<10	17.6	852	<0.5	10
L98400E-47412.5N	22	<1	170	<1	3	<10	18.4	821	<0.5	8
L98400E-47425N	8	<1	180	<1	1	<10	8.8	85	<0.5	4
L18400E-47437.5N	60	<1	740	<1	7	<10	9.4	10	<0.5	19
L98400E-47450N	34	<1	430	<1	4	<10	4.6	4	<0.5	11
L98400E-47462.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98400E-47475N	84	<1	220	<1	11	<10	15.7	263	<0.5	13
L98400E-47487.5N	8	<1	90	<1	2	<10	8.1	747	<0.5	3
L98400E-47500N	9	1	110	<1	2	<10	21.0	1630	<0.5	4
L98400E-47512.5N	5	<1	210	<1	1	<10	16.7	1500	<0.5	3
L98400E-47525N	6	<1	100	1	1	<10	12.2	1930	<0.5	3
L98400E-47537.5N	8	<1	90	<1	1	<10	11.5	1290	<0.5	3

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98400E-47550N	9	<1	50	<1	2	<10	12.2	1960	0.5	4
L98400E-47562.5N	12	<1	70	<1	2	<10	11.3	1560	<0.5	4
L18400E-47437.5NA	19	<1	330	<1	2	<10	8.0	44	<0.5	8
*Dup L98400E-46837.5N	8	<1	290	<1	<1	<10	4.0	35	<0.5	7
*Dup L98400E-47000N	4	<1	20	<1	<1	<10	12.7	486	<0.5	3
*Dup L98400E-47200N	18	2	150	<1	4	<10	28.5	926	0.6	10
*Dup L98400E-47400N	88	<1	60	<1	11	<10	17.4	564	<0.5	10
*Dup L98400E-47550N	8	<1	50	<1	2	<10	11.7	2120	0.5	4
*Std MMISRM14	3	<1	540	<1	<1	<10	12.1	<3	<0.5	32
*Std MMISRM14	3	<1	540	<1	<1	<10	12.0	6	<0.5	31
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98400E-46837.5N	<1	31	2	740	7
L98400E-46850N	<1	38	3	910	39
L98400E-46862.5N	<1	45	3	980	24
L98400E-46875N	<1	33	2	1480	16
L98400E-46887.5N	<1	23	2	6970	13
L98400E-46900N	<1	43	3	1660	17
L98400E-46912.5N	<1	61	4	2010	17
L98400E-46937.5N	<1	98	7	260	<5
L98400E-46950N	<1	53	5	4450	37
L98400E-46962.5N	<1	47	4	9380	32
L98400E-46975N	<1	37	5	3080	20
L98400E-46987.5N	1	192	16	8210	70
L98400E-47000N	<1	34	3	2500	24
L98400E-47012.5N	<1	40	4	1290	15
L98400E-47037.5N	<1	59	4	780	27
L98400E-47050N	<1	51	4	250	43
L98400E-47062.5N	<1	239	13	560	7
L98400E-47075N	<1	50	4	930	31
L98400E-47112.5N	3	2040	125	60	347
L98400E-47125N	<1	389	24	40	97
L98400E-47137.5N	<1	180	13	<20	14
L98400E-47150N	<1	446	29	1430	71
L98400E-47162.5N	<1	390	22	260	65
L98400E-47175N	<1	48	3	320	19
L98400E-47200N	<1	135	11	11900	47
L98400E-47212.5N	<1	110	9	2530	30
L98400E-47262.5N	<1	27	2	3470	8
L98400E-47275N	<1	19	<1	800	<5
L98400E-47287.5N	<1	35	2	660	6
L18400E-47300N	<1	68	6	11300	22
L18400E-47312.5N	<1	492	28	1240	67
L98400E-47325N	<1	175	8	60	12
L98400E-47337.5N	<1	59	3	730	7
L98400E-47362.5N	<1	49	4	2220	34
L98400E-47375N	<1	48	3	2430	19
L98400E-47387.5N	<1	16	1	5650	7
L98400E-47400N	<1	415	23	390	34
L98400E-47412.5N	<1	78	5	1210	30
L98400E-47425N	<1	18	2	290	10
L18400E-47437.5N	<1	183	10	440	10
L98400E-47450N	<1	104	5	500	<5
L98400E-47462.5N	N.A.	N.A.	N.A.	N.A.	N.A.
L98400E-47475N	<1	391	19	1360	19
L98400E-47487.5N	<1	47	4	630	19
L98400E-47500N	<1	42	3	790	42
L98400E-47512.5N	<1	39	3	2840	29
L98400E-47525N	5	40	3	1180	29
L98400E-47537.5N	1	40	3	440	27

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Final : 094085 Order: KAR ENTERPRISES

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98400E-47550N	<1	51	4	370	32
L98400E-47562.5N	<1	59	4	430	27
L18400E-47437.5NA	<1	62	3	710	7
*Dup L98400E-46837.5N	<1	25	2	550	6
*Dup L98400E-47000N	<1	33	3	2400	24
*Dup L98400E-47200N	<1	119	11	11500	54
*Dup L98400E-47400N	<1	423	23	530	32
*Dup L98400E-47550N	<1	53	4	370	31
*Std MMISRM14	<1	7	<1	310	10
*Std MMISRM14	<1	7	<1	340	10
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094131

To: **Geotronics Consulting Inc.**

Date: Aug 04, 2007

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

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 77
Date Submitted Jul 18, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 77 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

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
03139E-54140S	26	13	<10	0.4	840	<1	720	30	38	29
03139E-54127.5S	15	31	<10	0.3	1520	<1	610	29	271	64
03139E-54115S	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
03139E-54102.5S	12	39	<10	0.4	1520	<1	510	8	82	29
03139E-54090S	6	12	<10	0.2	900	<1	270	4	70	16
03139E-54077.5S	21	10	<10	0.2	870	<1	630	36	12	68
03139E-54065S	25	7	<10	0.2	1170	<1	730	20	5	16
03139E-54052.5S	29	13	<10	0.1	1040	<1	690	36	11	59
03139E-54040S	28	5	<10	0.2	1050	<1	650	17	<5	37
03139E-54027.5S	19	8	<10	0.1	1190	<1	730	24	7	54
03139E-54015S	39	9	<10	0.2	1110	<1	630	10	<5	18
03139E-54002.5S	30	13	<10	0.2	1300	<1	660	17	31	28
03139E-53990S	43	9	<10	0.3	1630	<1	670	7	6	32
03139E-53977.5S	28	8	<10	0.3	1360	<1	670	4	<5	11
03139E-53965S	27	9	<10	0.3	1860	<1	700	7	28	50
03139E-53952.5S	12	17	<10	0.7	1800	<1	600	8	40	73
03139E-53940S	21	19	<10	1.4	1550	<1	580	14	56	81
03139E-53927.5S	25	33	<10	0.3	1440	<1	500	17	356	119
03140E-53902.5S	31	162	10	0.2	440	<1	190	24	143	59
03140E-53890S	5	147	30	0.1	560	<1	180	17	195	79
03140E-53877.5S	3	132	<10	<0.1	490	<1	190	28	123	41
03140E-53865S	27	151	40	0.1	510	<1	200	24	87	138
03140E-53852.5S	9	94	<10	0.1	450	1	320	34	234	151
03140E-53840S	23	154	30	0.2	440	<1	160	10	160	85
03140E-53827.5S	28	100	40	0.1	470	1	230	19	57	166
03140E-53765S	19	60	<10	0.1	1520	<1	430	15	46	34
03140E-53740S	29	80	<10	0.2	840	<1	380	25	122	27
03139E-54152N	28	6	<10	0.2	530	<1	480	46	6	30
03139E-54165N	22	8	<10	0.3	1150	<1	560	16	32	32
03139E-54177.5N	24	27	<10	0.2	1590	<1	720	24	90	14
03139E-54190N	24	25	<10	1.4	1610	<1	680	19	61	73
03139E-54202.5N	25	18	<10	7.8	1320	<1	650	33	44	82
03139E-54215N	16	29	<10	0.4	1660	<1	640	14	120	61
03139E-54227.5N	12	124	<10	0.1	1360	<1	280	30	613	90
03139E-54240N	27	100	<10	<0.1	1020	<1	340	42	148	10
03139E-54252.5N	4	28	<10	0.2	940	<1	210	3	43	24
03139E-54265N	6	33	<10	0.2	1000	<1	260	3	92	20
03139E-54277.5N	28	35	<10	0.2	1700	<1	550	52	110	40
03139E-54290N	40	8	<10	0.5	1000	<1	570	52	59	81
03240E-54140S	8	17	<10	0.2	930	<1	320	5	23	15
03240E-54127.5S	8	14	<10	0.2	1390	<1	320	3	33	23
03240E-54115S	11	99	<10	0.6	1210	<1	390	14	131	44
03240E-54102.5S	11	11	<10	0.1	820	<1	230	7	80	26
03240E-54090S	23	18	<10	0.5	1200	<1	590	17	18	18
03240E-54077.5S	18	16	<10	0.1	1260	<1	380	10	30	68
03240E-54065S	53	9	<10	0.3	1600	<1	730	22	35	49
03240E-54052.5S	49	11	<10	0.4	1400	<1	680	34	11	36
03240E-54040S	50	8	<10	0.2	1150	<1	680	44	23	41

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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
03240E-54027.5S	22	13	<10	0.2	960	<1	380	4	31	17
03240E-54015S	57	23	<10	0.3	1240	<1	640	18	27	16
03240E-54002.5S	37	23	<10	0.4	1680	<1	620	23	27	23
03240E-53990S	26	13	<10	0.2	1320	<1	670	58	31	20
03240E-53977.5S	34	3	<10	0.4	960	<1	530	14	<5	37
03240E-53965S	24	6	<10	0.1	870	<1	710	31	14	24
03240E-53940S	13	28	<10	0.3	1300	<1	510	12	144	53
03240E-53927.5S	18	39	<10	0.2	1050	<1	480	6	185	32
03240E-53915S	28	8	<10	0.3	1400	<1	640	8	24	45
03240E-53902.5S	12	37	<10	0.2	1960	<1	600	14	193	59
03240E-53890S	22	6	<10	1.4	1650	<1	630	8	17	72
03240E-53877.5S	24	4	<10	0.5	1840	<1	720	5	<5	42
03240E-53865S	24	7	<10	0.3	2130	<1	700	12	20	48
03240E-53852.5S	20	28	<10	0.6	2780	<1	670	7	107	45
03240E-54152.5N	5	9	<10	0.1	940	<1	230	2	60	41
03240E-54165N	17	116	<10	0.1	1690	<1	300	26	236	42
03240E-54177.5N	19	85	<10	0.5	1630	<1	420	13	154	11
03240E-54190N	14	67	<10	0.2	2110	<1	390	10	282	9
03240E-54202.5N	20	39	<10	0.3	2110	<1	560	14	67	35
03240E-54215N	13	78	<10	0.3	1510	<1	380	9	249	18
03240E-54227.5N	11	15	<10	0.1	1000	<1	250	7	37	27
03240E-54240N	25	54	<10	0.2	1190	<1	410	17	117	6
03240E-54252.5N	17	91	<10	0.2	1210	<1	330	10	263	17
03240E-54265N	22	8	<10	0.3	650	<1	510	50	<5	92
03240E-54277.5N	48	5	<10	0.3	1910	<1	670	24	21	59
03240E-54290N	40	5	<10	0.2	1660	<1	690	45	14	22
03240E-54302.5N	27	38	<10	0.4	960	<1	430	15	36	20
03240E-54315N	30	16	<10	0.3	1070	<1	540	17	33	64
03240E-54727.5N	24	105	<10	0.2	820	<1	280	15	330	33
*Dup 03139E-54140S	30	10	<10	0.2	1080	<1	780	24	29	20
*Dup 03139E-53990S	39	8	<10	0.3	1620	<1	710	7	<5	31
*Dup 03140E-53827.5S	22	74	50	<0.1	370	<1	190	13	33	206
*Dup 03139E-54265N	5	26	10	0.1	1050	<1	190	2	90	12
*Dup 03240E-54027.5S	26	16	<10	0.3	1160	<1	490	7	32	19
*Dup 03240E-53865S	23	4	<10	0.3	1300	<1	470	10	13	42
*Dup 03240E-54277.5N	51	4	<10	0.3	2060	<1	680	25	23	56
*Std MMISRM14	18	39	10	37.2	310	<1	280	10	22	50
*Std MMISRM14	17	42	10	43.4	140	<1	240	9	15	49
*Bik BLANK	<1	2	<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. 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
03139E-54140S	<100	690	26	17.1	4.6	5	26	25	5	89
03139E-54127.5S	<100	560	55	37.1	10.7	8	56	106	7	92
03139E-54115S	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
03139E-54102.5S	<100	670	35	23.3	7.4	7	38	49	7	103
03139E-54090S	<100	240	16	8.5	4.6	3	22	38	10	52
03139E-54077.5S	<100	460	14	7.7	3.0	3	16	11	16	116
03139E-54065S	<100	300	6	3.8	1.2	3	7	<1	11	118
03139E-54052.5S	<100	830	8	4.8	1.9	5	10	8	8	107
03139E-54040S	<100	280	7	4.4	1.0	3	6	<1	13	110
03139E-54027.5S	<100	300	7	4.5	1.4	4	8	3	10	104
03139E-54015S	<100	600	12	7.7	1.8	3	11	3	9	122
03139E-54002.5S	<100	630	17	9.9	3.8	5	21	20	<5	120
03139E-53990S	<100	760	14	8.0	2.8	4	16	13	11	129
03139E-53977.5S	<100	380	8	6.0	0.8	3	6	<1	9	137
03139E-53965S	<100	530	24	13.9	4.6	4	26	22	6	125
03139E-53952.5S	<100	560	15	9.7	2.4	6	13	9	<5	96
03139E-53940S	<100	780	22	13.1	4.4	6	24	25	<5	94
03139E-53927.5S	<100	840	38	21.0	10.5	11	50	70	6	102
03140E-53902.5S	100	400	12	5.7	4.1	35	16	37	<5	14
03140E-53890S	100	430	29	14.4	7.9	60	33	56	5	21
03140E-53877.5S	<100	980	46	26.7	8.7	30	40	38	<5	42
03140E-53865S	<100	1070	39	21.1	8.1	52	36	34	12	38
03140E-53852.5S	<100	910	49	25.5	12.7	23	58	79	<5	62
03140E-53840S	100	770	20	8.8	7.2	53	29	64	<5	16
03140E-53827.5S	<100	860	9	4.5	3.0	44	12	25	<5	33
03140E-53765S	<100	330	8	3.9	2.7	8	12	14	<5	65
03140E-53740S	<100	350	18	8.5	6.2	13	27	49	<5	76
03139E-54152N	<100	320	16	10.2	2.4	3	15	3	7	89
03139E-54165N	<100	370	22	13.8	3.7	3	22	16	9	65
03139E-54177.5N	<100	410	39	20.9	9.7	6	52	83	7	97
03139E-54190N	<100	800	29	19.0	5.7	5	32	43	12	82
03139E-54202.5N	<100	750	12	7.0	2.9	4	15	17	9	103
03139E-54215N	<100	630	44	30.4	7.2	5	41	52	11	89
03139E-54227.5N	<100	420	86	47.6	20.4	60	96	233	<5	69
03139E-54240N	<100	200	16	8.2	4.4	22	20	48	<5	37
03139E-54252.5N	<100	300	7	4.3	1.9	8	9	23	<5	50
03139E-54265N	<100	380	21	13.1	5.2	7	26	55	<5	61
03139E-54277.5N	<100	310	16	10.0	3.4	6	19	26	<5	104
03139E-54290N	<100	1360	15	7.9	3.8	5	20	20	9	143
03240E-54140S	<100	560	19	10.7	4.7	4	24	32	6	74
03240E-54127.5S	<100	670	20	11.6	4.7	4	25	47	11	66
03240E-54115S	<100	420	19	13.4	3.8	16	17	32	<5	72
03240E-54102.5S	<100	510	20	11.0	6.0	4	30	65	15	47
03240E-54090S	<100	560	22	15.6	3.5	3	22	14	11	80
03240E-54077.5S	<100	350	11	6.3	2.8	4	15	22	12	64
03240E-54065S	<100	560	25	16.2	4.0	3	25	15	24	82
03240E-54052.5S	<100	490	19	11.9	3.8	4	22	17	20	100
03240E-54040S	<100	380	13	7.4	2.5	3	14	8	17	97

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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
03240E-54027.5S	<100	400	15	8.5	4.4	4	22	35	8	50
03240E-54015S	<100	1310	44	30.1	8.4	4	49	52	8	86
03240E-54002.5S	<100	330	22	13.1	4.5	4	24	27	10	105
03240E-53990S	<100	210	23	14.1	4.3	4	25	25	9	92
03240E-53977.5S	<100	110	10	7.7	1.2	2	8	<1	8	87
03240E-53965S	<100	190	14	8.4	2.7	4	15	9	8	105
03240E-53940S	<100	570	23	13.6	5.3	7	27	43	6	92
03240E-53927.5S	<100	580	19	9.2	5.7	9	27	54	<5	98
03240E-53915S	<100	480	15	8.7	3.0	3	17	12	<5	121
03240E-53902.5S	<100	730	36	24.0	6.9	7	37	75	<5	89
03240E-53890S	<100	540	16	11.5	2.4	3	15	6	<5	81
03240E-53877.5S	<100	620	14	10.0	1.9	3	13	4	<5	98
03240E-53865S	<100	520	14	8.6	2.0	3	13	5	<5	83
03240E-53852.5S	<100	1320	17	10.2	3.6	4	20	21	<5	98
03240E-54152.5N	<100	290	15	7.7	4.2	4	21	50	<5	33
03240E-54165N	<100	340	39	23.4	8.6	35	42	91	<5	59
03240E-54177.5N	<100	320	33	20.4	7.5	12	36	63	<5	82
03240E-54190N	<100	310	33	18.4	8.6	9	42	83	<5	83
03240E-54202.5N	<100	640	36	32.0	4.5	6	26	39	<5	51
03240E-54215N	<100	330	39	22.6	9.1	15	45	87	<5	81
03240E-54227.5N	<100	460	14	8.4	3.8	5	19	38	<5	56
03240E-54240N	<100	310	27	13.0	8.2	8	41	74	<5	82
03240E-54252.5N	<100	340	37	19.1	10.7	13	49	130	<5	82
03240E-54265N	<100	850	6	3.9	1.1	4	6	<1	12	97
03240E-54277.5N	<100	430	29	19.9	4.4	3	28	14	32	102
03240E-54290N	<100	150	33	22.0	6.0	3	33	19	50	87
03240E-54302.5N	<100	450	13	5.8	3.7	7	17	27	<5	115
03240E-54315N	<100	610	14	6.5	4.3	7	21	31	<5	128
03240E-54727.5N	<100	440	48	24.2	15.5	24	71	189	6	56
*Dup 03139E-54140S	<100	500	22	14.1	3.9	4	25	23	7	71
*Dup 03139E-53990S	<100	590	11	7.1	1.7	3	10	3	10	101
*Dup 03140E-53827.5S	<100	630	4	1.9	1.4	28	5	19	7	28
*Dup 03139E-54265N	<100	320	22	14.1	5.7	7	28	79	<5	44
*Dup 03240E-54027.5S	<100	590	25	15.5	5.2	4	30	30	15	62
*Dup 03240E-53865S	<100	360	13	8.3	1.7	2	12	2	<5	77
*Dup 03240E-54277.5N	<100	380	31	20.3	4.6	3	29	14	37	101
*Std MMISRM14	<100	800	5	2.2	1.7	2	7	5	<5	44
*Std MMISRM14	<100	810	2	0.9	1.2	2	5	3	<5	33
*Bik BLANK	<100	20	<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	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
03139E-54140S	<5	0.6	53	370	140	<1	10	71	<1	<5
03139E-54127.5S	<5	<0.5	155	525	260	<1	34	78	<1	8
03139E-54115S	<5	<0.5	<1	6	<10	<1	<1	<5	<1	<5
03139E-54102.5S	<5	<0.5	100	167	80	<1	20	50	<1	13
03139E-54090S	<5	<0.5	68	109	50	<1	14	18	<1	<5
03139E-54077.5S	<5	<0.5	27	249	100	<1	6	48	<1	<5
03139E-54065S	<5	<0.5	8	100	70	<1	2	38	<1	<5
03139E-54052.5S	<5	<0.5	21	322	160	<1	4	42	<1	<5
03139E-54040S	<5	<0.5	4	58	90	<1	1	66	<1	<5
03139E-54027.5S	<5	<0.5	12	128	80	<1	3	57	<1	<5
03139E-54015S	<5	<0.5	13	93	60	<1	3	43	<1	<5
03139E-54002.5S	<5	<0.5	43	182	90	<1	9	21	<1	<5
03139E-53990S	<5	<0.5	29	96	80	<1	6	41	<1	<5
03139E-53977.5S	<5	<0.5	<1	67	50	<1	<1	61	<1	<5
03139E-53965S	<5	<0.5	44	88	60	<1	9	83	<1	<5
03139E-53952.5S	<5	<0.5	23	170	70	<1	5	39	<1	6
03139E-53940S	<5	<0.5	47	241	150	1	10	89	<1	<5
03139E-53927.5S	<5	<0.5	132	312	130	<1	26	79	<1	12
03140E-53902.5S	<5	1.5	56	304	370	<1	13	232	1	24
03140E-53890S	<5	2.6	103	384	530	<1	22	203	2	40
03140E-53877.5S	<5	1.1	81	190	500	<1	16	183	<1	58
03140E-53865S	<5	1.2	75	422	450	<1	15	170	1	80
03140E-53852.5S	<5	<0.5	152	344	2000	<1	31	91	<1	26
03140E-53840S	6	1.7	110	255	500	<1	24	152	3	38
03140E-53827.5S	<5	1.3	40	398	620	<1	9	126	3	14
03140E-53765S	<5	<0.5	32	194	170	<1	7	125	<1	<5
03140E-53740S	<5	<0.5	92	308	220	<1	19	163	1	8
03139E-54152N	<5	<0.5	13	133	80	<1	3	53	<1	<5
03139E-54165N	<5	<0.5	33	195	70	<1	7	103	<1	<5
03139E-54177.5N	<5	<0.5	142	415	90	<1	29	68	<1	<5
03139E-54190N	<5	<0.5	72	419	80	1	15	34	<1	<5
03139E-54202.5N	9	<0.5	34	333	60	7	7	61	<1	<5
03139E-54215N	<5	<0.5	87	396	100	<1	17	75	<1	9
03139E-54227.5N	<5	1.2	354	620	450	<1	77	175	1	67
03139E-54240N	<5	0.6	72	467	210	<1	16	202	1	10
03139E-54252.5N	<5	<0.5	33	99	40	<1	8	39	<1	17
03139E-54265N	<5	<0.5	89	126	70	<1	18	57	<1	14
03139E-54277.5N	<5	<0.5	46	468	190	<1	10	66	<1	<5
03139E-54290N	<5	<0.5	45	390	50	<1	9	63	<1	<5
03240E-54140S	<5	<0.5	63	108	40	<1	12	15	<1	<5
03240E-54127.5S	<5	<0.5	77	89	30	<1	15	11	<1	5
03240E-54115S	<5	<0.5	55	292	200	<1	12	74	<1	43
03240E-54102.5S	<5	<0.5	106	223	40	<1	22	11	<1	<5
03240E-54090S	<5	<0.5	33	228	70	<1	7	37	<1	<5
03240E-54077.5S	<5	<0.5	43	159	40	<1	9	20	<1	<5
03240E-54065S	<5	<0.5	35	326	60	<1	7	101	<1	<5
03240E-54052.5S	<5	<0.5	39	228	60	<1	8	62	<1	<5
03240E-54040S	<5	<0.5	22	200	40	<1	4	74	<1	<5

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
03240E-54027.5S	<5	<0.5	68	143	40	<1	13	<5	<1	<5
03240E-54015S	<5	<0.5	94	493	50	<1	18	32	<1	<5
03240E-54002.5S	<5	<0.5	52	254	70	<1	11	76	<1	<5
03240E-53990S	<5	<0.5	48	377	100	<1	10	102	<1	<5
03240E-53977.5S	<5	<0.5	3	28	30	<1	1	119	<1	<5
03240E-53965S	<5	<0.5	24	134	60	<1	5	79	<1	<5
03240E-53940S	<5	<0.5	72	264	140	<1	15	113	<1	<5
03240E-53927.5S	<5	<0.5	89	195	130	<1	19	148	<1	<5
03240E-53915S	<5	<0.5	28	97	70	<1	6	90	<1	<5
03240E-53902.5S	<5	<0.5	104	263	220	<1	23	93	<1	7
03240E-53890S	<5	<0.5	16	94	120	<1	4	48	<1	<5
03240E-53877.5S	<5	<0.5	12	48	60	<1	3	47	<1	<5
03240E-53865S	<5	<0.5	15	122	70	<1	3	77	<1	<5
03240E-53852.5S	<5	<0.5	38	144	90	<1	8	72	<1	<5
03240E-54152.5N	<5	<0.5	74	65	30	<1	15	11	<1	<5
03240E-54165N	<5	0.6	140	473	440	<1	30	167	<1	63
03240E-54177.5N	<5	<0.5	107	240	190	<1	22	166	<1	38
03240E-54190N	<5	<0.5	136	182	120	<1	28	134	<1	17
03240E-54202.5N	<5	<0.5	57	382	180	<1	12	69	<1	13
03240E-54215N	<5	<0.5	150	196	170	<1	32	86	<1	23
03240E-54227.5N	<5	<0.5	62	124	40	<1	13	16	<1	<5
03240E-54240N	<5	<0.5	133	230	80	<1	27	68	<1	<5
03240E-54252.5N	<5	0.6	193	419	190	<1	41	107	<1	28
03240E-54265N	<5	<0.5	6	458	50	<1	1	20	<1	<5
03240E-54277.5N	<5	<0.5	35	187	40	<1	7	34	<1	5
03240E-54290N	<5	<0.5	46	113	60	<1	9	44	<1	<5
03240E-54302.5N	<5	<0.5	52	177	100	<1	11	65	<1	<5
03240E-54315N	<5	<0.5	61	309	50	<1	12	55	<1	<5
03240E-54727.5N	<5	1.7	295	343	350	<1	64	135	<1	26
*Dup 03139E-54140S	<5	<0.5	44	238	110	<1	9	73	<1	<5
*Dup 03139E-53990S	<5	<0.5	11	81	70	<1	3	40	<1	<5
*Dup 03140E-53827.5S	<5	1.1	21	289	580	<1	6	97	2	11
*Dup 03139E-54265N	<5	0.7	116	107	60	<1	24	47	<1	11
*Dup 03240E-54027.5S	<5	<0.5	62	217	50	<1	12	7	<1	<5
*Dup 03240E-53865S	<5	<0.5	10	102	70	<1	2	79	<1	<5
*Dup 03240E-54277.5N	<5	<0.5	35	157	40	<1	7	33	<1	<5
*Std MMISRM14	30	<0.5	19	300	120	40	4	245	<1	<5
*Std MMISRM14	35	<0.5	15	308	120	47	3	286	<1	6
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
03139E-54140S	17	<1	1330	<1	4	<10	10.9	<3	<0.5	10
03139E-54127.5S	41	<1	1370	<1	9	<10	21.9	4	<0.5	10
03139E-54115S	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
03139E-54102.5S	28	<1	1280	<1	6	<10	28.1	13	<0.5	13
03139E-54090S	18	<1	670	<1	3	<10	17.0	18	<0.5	4
03139E-54077.5S	10	<1	1230	<1	2	<10	5.1	<3	<0.5	8
03139E-54065S	4	<1	1530	<1	1	<10	4.6	<3	<0.5	10
03139E-54052.5S	7	<1	1140	<1	1	<10	6.3	<3	<0.5	15
03139E-54040S	3	<1	1520	<1	1	<10	3.5	<3	<0.5	6
03139E-54027.5S	5	<1	1250	<1	1	<10	3.9	<3	<0.5	6
03139E-54015S	6	<1	1290	<1	2	<10	4.6	<3	<0.5	6
03139E-54002.5S	14	<1	1170	<1	3	<10	11.8	<3	<0.5	9
03139E-53990S	10	<1	1450	<1	2	<10	7.0	<3	<0.5	7
03139E-53977.5S	1	<1	1580	<1	1	<10	2.7	<3	<0.5	9
03139E-53965S	15	<1	1880	<1	4	<10	6.2	<3	<0.5	7
03139E-53952.5S	8	<1	1720	<1	2	<10	8.1	<3	<0.5	5
03139E-53940S	15	<1	1430	<1	4	<10	5.8	<3	<0.5	6
03139E-53927.5S	37	<1	1110	<1	7	<10	12.7	<3	<0.5	15
03140E-53902.5S	15	<1	200	<1	2	<10	17.8	539	<0.5	4
03140E-53890S	29	<1	260	<1	5	<10	19.8	911	<0.5	5
03140E-53877.5S	27	<1	380	<1	7	<10	9.7	419	<0.5	4
03140E-53865S	26	<1	380	<1	6	<10	9.3	407	<0.5	5
03140E-53852.5S	43	<1	570	<1	8	<10	5.1	23	<0.5	6
03140E-53840S	27	<1	130	<1	4	<10	18.1	650	<0.5	4
03140E-53827.5S	11	<1	290	<1	2	<10	4.4	597	<0.5	2
03140E-53765S	10	<1	730	<1	2	<10	4.7	6	<0.5	4
03140E-53740S	24	<1	480	<1	3	<10	9.1	31	<0.5	3
03139E-54152N	7	<1	1050	<1	2	<10	5.2	<3	<0.5	6
03139E-54165N	12	<1	1520	<1	3	<10	5.8	<3	<0.5	5
03139E-54177.5N	40	<1	1450	<1	7	<10	11.4	<3	<0.5	17
03139E-54190N	21	<1	1260	<1	5	<10	12.0	<3	<0.5	5
03139E-54202.5N	10	<1	1040	<1	2	<10	7.3	<3	<0.5	9
03139E-54215N	25	<1	2180	<1	6	<10	7.0	<3	<0.5	5
03139E-54227.5N	83	<1	860	<1	15	<10	59.5	226	<0.5	12
03139E-54240N	18	<1	920	<1	3	<10	12.3	123	<0.5	4
03139E-54252.5N	8	<1	810	<1	1	<10	18.6	57	<0.5	6
03139E-54265N	22	<1	710	<1	4	<10	31.9	36	<0.5	7
03139E-54277.5N	13	<1	1250	<1	3	<10	6.3	<3	<0.5	10
03139E-54290N	14	<1	790	<1	3	<10	8.2	<3	<0.5	6
03240E-54140S	18	<1	620	<1	3	<10	12.5	9	<0.5	4
03240E-54127.5S	19	<1	760	<1	3	<10	19.5	10	<0.5	5
03240E-54115S	15	<1	1000	<1	3	<10	20.6	28	<0.5	9
03240E-54102.5S	25	<1	470	<1	4	<10	20.3	23	<0.5	5
03240E-54090S	12	<1	1420	<1	3	<10	6.3	<3	<0.5	8
03240E-54077.5S	11	<1	760	<1	2	<10	15.5	3	<0.5	12
03240E-54065S	13	<1	1620	<1	4	<10	3.5	<3	<0.5	7
03240E-54052.5S	14	<1	1350	<1	3	<10	4.1	<3	<0.5	6
03240E-54040S	9	<1	1260	<1	2	<10	3.1	<3	<0.5	7

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
03240E-54027.5S	18	<1	1020	<1	3	<10	16.0	35	<0.5	7
03240E-54015S	30	<1	1300	<1	7	<10	5.8	<3	<0.5	11
03240E-54002.5S	17	<1	1290	<1	4	<10	5.5	<3	<0.5	5
03240E-53990S	16	<1	1220	<1	4	<10	4.7	<3	<0.5	4
03240E-53977.5S	3	<1	1450	<1	1	<10	1.8	<3	<0.5	4
03240E-53965S	9	<1	1250	<1	2	<10	3.3	<3	<0.5	6
03240E-53940S	20	<1	1380	<1	4	<10	8.1	<3	<0.5	8
03240E-53927.5S	23	<1	1140	<1	4	<10	9.9	<3	<0.5	10
03240E-53915S	10	<1	1710	<1	2	<10	4.5	<3	<0.5	6
03240E-53902.5S	25	<1	1400	<1	6	<10	11.8	3	<0.5	6
03240E-53890S	7	<1	1810	<1	2	<10	3.5	<3	<0.5	4
03240E-53877.5S	6	<1	1920	<1	2	<10	3.0	<3	<0.5	5
03240E-53865S	6	<1	1390	<1	2	<10	3.7	<3	<0.5	3
03240E-53852.5S	12	<1	1570	<1	3	<10	5.7	<3	<0.5	5
03240E-54152.5N	17	<1	410	<1	3	<10	13.6	74	<0.5	1
03240E-54165N	35	<1	940	<1	6	<10	41.3	85	<0.5	5
03240E-54177.5N	28	<1	1770	<1	6	<10	16.4	10	<0.5	11
03240E-54190N	34	<1	1540	<1	6	<10	12.5	8	<0.5	8
03240E-54202.5N	16	<1	1990	<1	5	<10	5.2	<3	<0.5	4
03240E-54215N	38	<1	1180	<1	7	<10	18.9	28	<0.5	10
03240E-54227.5N	15	<1	550	<1	3	<10	16.9	38	<0.5	4
03240E-54240N	34	<1	930	<1	5	<10	10.5	<3	<0.5	9
03240E-54252.5N	45	<1	990	<1	7	<10	19.1	75	<0.5	6
03240E-54265N	3	<1	870	<1	<1	<10	4.3	<3	<0.5	9
03240E-54277.5N	14	<1	2210	<1	4	<10	3.3	<3	<0.5	9
03240E-54290N	19	<1	2280	<1	5	<10	1.4	<3	<0.5	8
03240E-54302.5N	14	<1	1250	<1	2	<10	7.6	9	<0.5	8
03240E-54315N	17	<1	1100	<1	3	<10	7.2	4	<0.5	7
03240E-54727.5N	65	<1	500	<1	9	<10	28.8	450	<0.5	6
*Dup 03139E-54140S	14	<1	1410	<1	3	<10	7.8	<3	<0.5	10
*Dup 03139E-53990S	5	<1	1470	<1	2	<10	5.0	<3	<0.5	4
*Dup 03140E-53827.5S	5	<1	250	<1	<1	<10	3.7	492	<0.5	2
*Dup 03139E-54265N	24	<1	560	<1	4	<10	30.5	70	<0.5	5
*Dup 03240E-54027.5S	19	<1	1330	<1	4	<10	12.9	25	<0.5	7
*Dup 03240E-53865S	5	<1	1120	<1	2	<10	2.4	<3	<0.5	2
*Dup 03240E-54277.5N	15	<1	2330	<1	4	<10	2.5	<3	<0.5	7
*Std MMISRM14	6	<1	610	<1	<1	<10	15.3	<3	<0.5	32
*Std MMISRM14	5	<1	510	<1	<1	<10	17.7	<3	<0.5	37
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 094131 Order: KAR ENTERPRISES

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
03139E-54140S	<1	131	14	530	9
03139E-54127.5S	<1	268	32	930	22
03139E-54115S	<1	<5	<1	<20	<5
03139E-54102.5S	<1	152	21	280	23
03139E-54090S	<1	68	6	90	13
03139E-54077.5S	<1	79	5	750	<5
03139E-54065S	<1	33	3	280	<5
03139E-54052.5S	<1	47	4	750	<5
03139E-54040S	<1	33	3	140	<5
03139E-54027.5S	<1	40	3	400	<5
03139E-54015S	<1	56	6	50	<5
03139E-54002.5S	<1	89	8	240	6
03139E-53990S	<1	67	6	150	<5
03139E-53977.5S	<1	40	5	30	<5
03139E-53965S	<1	115	10	130	<5
03139E-53952.5S	<1	61	9	190	7
03139E-53940S	<1	117	10	110	5
03139E-53927.5S	<1	222	16	140	13
03140E-53902.5S	<1	59	4	350	35
03140E-53890S	<1	133	11	620	40
03140E-53877.5S	<1	254	19	500	19
03140E-53865S	<1	187	16	2410	24
03140E-53852.5S	<1	300	16	1290	9
03140E-53840S	<1	91	6	410	38
03140E-53827.5S	<1	47	3	810	18
03140E-53765S	<1	41	2	570	9
03140E-53740S	<1	94	6	870	15
03139E-54152N	<1	77	8	930	<5
03139E-54165N	<1	105	11	350	5
03139E-54177.5N	<1	206	15	460	13
03139E-54190N	<1	148	15	570	10
03139E-54202.5N	<1	66	5	610	7
03139E-54215N	<1	204	26	270	13
03139E-54227.5N	<1	495	37	690	78
03139E-54240N	<1	91	6	1150	31
03139E-54252.5N	<1	32	4	170	30
03139E-54265N	<1	99	11	130	40
03139E-54277.5N	<1	78	8	1500	12
03139E-54290N	<1	81	6	1420	6
03240E-54140S	<1	86	8	230	16
03240E-54127.5S	<1	87	9	120	19
03240E-54115S	<1	86	13	910	62
03240E-54102.5S	<1	102	8	180	18
03240E-54090S	<1	95	13	240	9
03240E-54077.5S	<1	50	5	110	15
03240E-54065S	<1	127	13	120	<5
03240E-54052.5S	<1	100	9	600	<5
03240E-54040S	<1	66	6	500	<5

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
03240E-54027.5S	<1	80	7	150	15
03240E-54015S	<1	250	25	100	7
03240E-54002.5S	<1	108	10	720	6
03240E-53990S	<1	116	11	1800	<5
03240E-53977.5S	<1	47	6	240	<5
03240E-53965S	<1	73	6	360	<5
03240E-53940S	<1	104	10	230	12
03240E-53927.5S	<1	92	7	80	13
03240E-53915S	<1	70	6	50	<5
03240E-53902.5S	<1	183	20	280	15
03240E-53890S	<1	76	9	190	<5
03240E-53877.5S	<1	67	8	50	<5
03240E-53865S	<1	64	7	180	<5
03240E-53852.5S	<1	88	8	60	6
03240E-54152.5N	<1	67	6	20	20
03240E-54165N	<1	225	19	1220	58
03240E-54177.5N	<1	170	16	450	39
03240E-54190N	<1	175	14	490	28
03240E-54202.5N	<1	200	31	840	11
03240E-54215N	<1	184	19	720	51
03240E-54227.5N	<1	69	6	250	22
03240E-54240N	<1	134	9	500	21
03240E-54252.5N	<1	190	14	250	50
03240E-54265N	<1	33	3	760	<5
03240E-54277.5N	<1	138	17	190	<5
03240E-54290N	<1	172	18	370	<5
03240E-54302.5N	<1	58	4	530	15
03240E-54315N	<1	76	4	240	8
03240E-54727.5N	<1	260	17	210	64
*Dup 03139E-54140S	<1	103	10	420	<5
*Dup 03139E-53990S	<1	51	6	140	<5
*Dup 03140E-53827.5S	<1	19	2	840	16
*Dup 03139E-54265N	<1	117	12	90	39
*Dup 03240E-54027.5S	<1	128	12	190	7
*Dup 03240E-53865S	<1	60	6	180	<5
*Dup 03240E-54277.5N	<1	142	17	170	<5
*Std MMISRM14	<1	23	2	380	14
*Std MMISRM14	<1	12	<1	350	15
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094066

To: **Geotronics Consulting Inc.**

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

Date: Aug 04, 2007

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 55
Date Submitted Jul 16, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 54 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
L98300E-46525N	15	164	170	0.1	820	5	60	25	82	203
L98300E-46537.5N	32	84	20	<0.1	1030	<1	120	5	319	52
L98300E-46550N	13	170	200	<0.1	720	7	50	33	91	275
L98300E-46562.5N	12	227	90	<0.1	1080	3	40	29	119	142
L98300E-46575N	9	197	20	0.1	490	<1	10	10	214	85
L98300E-46587.5N	8	228	100	<0.1	570	3	20	20	54	234
L98300E-46600N	9	259	90	<0.1	1020	3	30	24	50	270
L98300E-46612.5N	19	198	40	<0.1	720	2	30	23	53	173
L98300E-46625N	18	186	50	<0.1	520	2	60	17	52	79
L98300E-46637.5N	14	218	20	<0.1	750	1	<10	25	45	147
L98300E-46650N	9	212	20	<0.1	370	<1	<10	35	24	59
L98300E-46662.5N	16	113	30	<0.1	540	1	210	42	38	16
L98300E-46687.5N	39	193	30	0.2	800	<1	110	19	284	32
L98300E-46700N	42	295	90	<0.1	1540	2	80	9	185	92
L98300E-46712.5N	33	251	70	<0.1	630	2	60	21	67	104
L98300E-46725N	15	201	110	<0.1	480	9	80	47	63	85
L98300E-46737.5N	11	273	110	<0.1	720	5	60	29	123	210
L98300E-46750N	12	204	130	<0.1	490	5	70	41	56	176
L98300E-46775N	22	288	90	<0.1	860	4	60	27	70	124
L98300E-46787.5N	11	>300	130	<0.1	830	9	40	46	159	233
L98300E-46800N	20	135	180	<0.1	730	5	200	56	72	66
L98300E-46812.5N	22	281	90	<0.1	590	2	50	20	792	93
L98300E-46825N	78	109	10	0.1	580	<1	170	18	81	18
L98300E-46850N	71	13	10	0.1	880	<1	350	19	45	27
L98300E-46862.5N	11	197	40	<0.1	780	2	100	37	51	73
L98300E-46875N	17	227	60	<0.1	470	5	40	25	52	148
L98300E-46900N	18	236	100	<0.1	560	4	50	12	100	144
L98300E-46912.5N	33	205	50	<0.1	440	2	80	13	82	52
L98300E-46925N	17	202	100	<0.1	940	6	70	83	22	158
L98300E-46937.5N	30	231	120	<0.1	740	5	30	46	25	263
L98300E-46950N	18	208	80	<0.1	560	3	60	16	87	131
L98300E-46987.5N	92	17	10	0.3	580	<1	310	7	412	104
L98300E-47000N	42	159	30	<0.1	350	2	60	15	275	43
L98300E-47012.5N	18	246	50	<0.1	340	2	20	20	114	171
L98300E-47037.5N	14	221	50	<0.1	300	1	<10	22	233	85
L98300E-47050N	32	213	60	<0.1	500	4	30	19	83	125
L98300E-47312.5N	34	289	240	<0.1	820	4	90	55	73	214
L98300E-47325N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98300E-47337.5N	24	232	60	<0.1	360	<1	10	13	53	131
L98300E-47350N	49	275	130	<0.1	850	3	50	10	128	114
L98300E-47362.5N	46	255	110	<0.1	980	2	70	18	305	147
L98300E-47375N	6	209	280	<0.1	620	15	20	48	42	308
L98300E-47387.5N	35	219	90	<0.1	720	2	10	24	109	130
L98300E-47400N	25	>300	220	<0.1	1150	4	20	16	104	195
L98300E-47412.5N	29	282	120	<0.1	590	3	70	34	223	87
L98300E-47425N	7	262	70	0.2	1030	4	60	14	72	288
L98300E-47437.5N	19	198	30	<0.1	340	2	30	42	26	220
L98300E-47462.5N	18	170	20	0.1	530	<1	30	17	295	28

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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
L98300E-47475N	40	163	10	<0.1	560	1	80	42	66	41
L98300E-47487.5N	70	82	20	<0.1	780	2	190	19	99	33
L98300E-47500N	79	117	20	0.1	530	<1	100	22	209	45
L98300E-47512.5N	17	225	20	<0.1	430	<1	30	28	162	39
L98300E-47537.5N	29	138	20	<0.1	360	<1	70	16	86	56
L98300E-46675N extra	234	24	<10	0.2	550	<1	330	32	74	6
L98300-47325N extra	29	216	30	<0.1	340	1	20	23	50	164
*Dup L98300E-46525N	15	159	150	<0.1	760	6	90	28	96	169
*Dup L98300E-46687.5N	39	179	30	<0.1	790	<1	110	18	327	27
*Dup L98300E-46862.5N	12	219	40	<0.1	850	2	80	37	50	77
*Dup L98300E-47312.5N	39	>300	310	<0.1	1040	4	110	68	89	257
*Dup L98300E-47475N	45	199	20	0.1	670	2	100	45	73	62
*Std MMISRM14	18	28	10	40.6	80	<1	230	7	11	40
*Std MMISRM14	17	31	10	42.2	90	<1	250	8	13	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 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
L98300E-46525N	300	390	8	4.0	2.3	135	9	35	18	14
L98300E-46537.5N	100	190	11	5.2	4.9	53	19	120	<5	22
L98300E-46550N	200	520	7	3.4	2.0	156	8	38	16	13
L98300E-46562.5N	200	400	11	5.2	3.1	116	12	44	14	11
L98300E-46575N	<100	520	18	9.4	5.5	44	21	75	<5	3
L98300E-46587.5N	100	320	5	3.1	1.4	126	5	24	10	6
L98300E-46600N	200	240	6	4.0	1.4	148	6	27	23	12
L98300E-46612.5N	<100	280	8	4.4	2.2	71	8	23	9	7
L98300E-46625N	<100	290	6	3.0	1.8	65	7	24	6	7
L98300E-46637.5N	<100	290	11	7.1	1.6	92	6	15	13	5
L98300E-46650N	<100	490	7	4.6	1.1	47	5	9	<5	3
L98300E-46662.5N	<100	150	5	2.6	1.4	37	6	18	5	13
L98300E-46687.5N	<100	240	17	7.3	5.9	55	23	100	<5	10
L98300E-46700N	300	420	14	7.8	4.5	172	17	77	103	21
L98300E-46712.5N	200	230	9	4.9	2.5	171	9	36	74	12
L98300E-46725N	<100	540	8	4.4	2.1	94	9	24	30	11
L98300E-46737.5N	200	860	12	6.8	2.4	146	10	36	41	16
L98300E-46750N	100	390	6	3.7	1.6	109	7	24	20	12
L98300E-46775N	200	310	10	5.7	2.3	173	9	45	67	14
L98300E-46787.5N	200	650	10	6.6	1.6	196	6	25	58	15
L98300E-46800N	200	380	6	3.1	1.7	152	7	29	59	32
L98300E-46812.5N	200	660	48	19.1	16.6	123	65	253	42	11
L98300E-46825N	<100	240	14	6.9	4.8	20	19	60	6	38
L98300E-46850N	<100	350	2	0.9	0.9	5	4	11	<5	50
L98300E-46862.5N	<100	370	10	6.1	2.6	81	10	23	13	15
L98300E-46875N	<100	300	9	4.8	2.3	65	9	22	8	6
L98300E-46900N	200	440	11	5.6	2.8	97	12	55	14	8
L98300E-46912.5N	100	260	9	4.5	2.7	68	10	48	9	8
L98300E-46925N	<100	910	7	4.8	1.0	76	4	10	9	15
L98300E-46937.5N	<100	610	8	5.2	1.0	125	4	10	17	8
L98300E-46950N	100	430	12	6.6	3.0	76	12	31	14	8
L98300E-46987.5N	<100	3540	22	10.3	12.4	16	50	260	<5	52
L98300E-47000N	<100	400	18	8.7	5.2	44	21	64	<5	5
L98300E-47012.5N	<100	710	11	4.8	2.8	45	11	32	<5	4
L98300E-47037.5N	<100	1230	38	16.5	7.4	37	31	64	<5	2
L98300E-47050N	100	530	9	4.7	2.6	79	10	54	10	5
L98300E-47312.5N	300	620	9	5.6	1.7	223	7	31	102	23
L98300E-47325N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98300E-47337.5N	<100	290	9	4.9	2.2	59	8	25	19	3
L98300E-47350N	300	330	11	5.4	3.4	190	12	58	67	12
L98300E-47362.5N	200	580	14	6.6	4.3	111	17	77	38	12
L98300E-47375N	100	540	4	3.4	0.8	214	3	13	35	13
L98300E-47387.5N	100	450	13	6.8	3.5	75	14	48	25	6
L98300E-47400N	400	590	14	8.6	2.9	286	12	63	131	18
L98300E-47412.5N	200	540	13	6.1	3.2	131	13	51	62	14
L98300E-47425N	100	520	10	11.7	1.7	125	8	41	29	20
L98300E-47437.5N	<100	490	6	3.6	1.1	87	5	9	<5	4
L98300E-47462.5N	100	370	23	10.4	7.1	55	28	109	5	3

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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
L98300E-47475N	<100	380	11	6.0	2.4	36	11	22	10	12
L98300E-47487.5N	<100	340	25	12.4	9.7	27	42	135	<5	23
L98300E-47500N	<100	3330	14	6.4	4.9	14	19	75	<5	6
L98300E-47512.5N	<100	840	16	6.7	4.0	34	16	44	5	4
L98300E-47537.5N	<100	420	6	3.0	2.0	27	7	29	<5	4
L98300E-46675N extra	<100	1940	28	12.8	13.7	3	60	184	<5	57
L98300-47325N extra	<100	430	9	4.3	2.3	58	8	26	7	3
*Dup L98300E-46525N	100	340	8	3.8	2.5	115	10	45	17	17
*Dup L98300E-46687.5N	<100	240	17	7.6	6.2	57	25	116	8	10
*Dup L98300E-46862.5N	<100	390	12	7.1	2.8	87	11	23	17	16
*Dup L98300E-47312.5N	300	710	9	5.5	1.8	288	8	39	133	30
*Dup L98300E-47475N	<100	400	11	5.3	3.0	51	12	25	<5	13
*Std MMISRM14	<100	730	<1	<0.5	0.5	2	2	3	<5	33
*Std MMISRM14	<100	710	1	0.5	0.8	2	3	7	<5	34
*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

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98300E-46525N	5	7.0	40	376	1100	<1	10	154	2	38
L98300E-46537.5N	<5	2.6	124	98	340	<1	32	122	<1	26
L98300E-46550N	5	6.7	37	306	1010	<1	10	98	4	41
L98300E-46562.5N	<5	3.7	55	428	1080	<1	14	141	4	38
L98300E-46575N	<5	1.8	101	155	720	<1	24	145	1	38
L98300E-46587.5N	<5	6.6	24	267	480	<1	6	116	3	35
L98300E-46600N	<5	7.8	24	307	1860	<1	6	64	2	39
L98300E-46612.5N	<5	3.3	32	376	1370	<1	7	89	1	29
L98300E-46625N	<5	2.9	27	367	680	<1	7	110	2	24
L98300E-46637.5N	<5	4.7	20	220	1580	<1	5	104	<1	35
L98300E-46650N	<5	1.3	13	339	410	<1	3	114	2	24
L98300E-46662.5N	<5	2.5	21	309	450	<1	5	81	1	21
L98300E-46687.5N	5	3.4	122	197	550	<1	28	129	1	27
L98300E-46700N	10	31.2	81	315	480	<1	20	166	3	109
L98300E-46712.5N	9	24.5	39	337	480	<1	9	164	3	78
L98300E-46725N	5	8.6	31	242	3500	<1	7	108	3	47
L98300E-46737.5N	5	11.7	42	321	840	<1	10	256	2	65
L98300E-46750N	<5	10.7	29	375	710	<1	7	69	3	49
L98300E-46775N	10	21.8	41	429	810	<1	10	105	4	73
L98300E-46787.5N	9	17.1	25	457	2350	<1	6	272	3	72
L98300E-46800N	6	12.2	31	327	1150	<1	7	88	3	53
L98300E-46812.5N	6	12.8	316	280	650	<1	80	157	3	80
L98300E-46825N	<5	1.8	80	201	420	<1	18	90	<1	27
L98300E-46850N	<5	<0.5	17	150	60	<1	3	92	<1	7
L98300E-46862.5N	<5	5.2	34	364	730	<1	7	94	2	38
L98300E-46875N	<5	3.4	34	273	1320	<1	7	94	2	31
L98300E-46900N	<5	6.7	57	301	1220	<1	14	132	2	43
L98300E-46912.5N	<5	5.1	43	247	640	<1	11	151	2	31
L98300E-46925N	<5	2.9	14	412	2070	<1	3	187	3	26
L98300E-46937.5N	<5	4.4	13	430	1900	<1	3	115	3	33
L98300E-46950N	<5	3.6	45	298	900	<1	10	113	2	35
L98300E-46987.5N	<5	<0.5	331	275	50	<1	78	76	<1	15
L98300E-47000N	<5	1.7	93	199	550	<1	21	74	1	25
L98300E-47012.5N	<5	1.8	42	370	930	<1	10	156	2	22
L98300E-47037.5N	<5	1.4	112	143	730	<1	26	165	<1	45
L98300E-47050N	<5	4.0	47	277	1020	<1	12	58	3	36
L98300E-47312.5N	8	28.7	29	429	1040	<1	8	216	5	92
L98300E-47325N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98300E-47337.5N	<5	6.9	31	279	300	<1	7	80	1	39
L98300E-47350N	9	17.8	55	298	490	<1	14	169	3	80
L98300E-47362.5N	5	12.3	75	363	670	<1	19	120	3	74
L98300E-47375N	5	13.6	11	375	1330	<1	3	141	6	53
L98300E-47387.5N	<5	7.4	57	331	980	<1	14	154	4	48
L98300E-47400N	12	32.1	52	567	750	<1	14	133	6	120
L98300E-47412.5N	6	16.7	55	415	770	<1	14	166	4	67
L98300E-47425N	<5	12.3	36	348	260	<1	9	71	2	83
L98300E-47437.5N	<5	2.2	14	325	650	<1	3	88	1	21
L98300E-47462.5N	<5	3.9	130	138	500	<1	33	81	<1	55

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98300E-47475N	<5	1.6	34	332	870	<1	8	92	1	24
L98300E-47487.5N	<5	1.7	199	255	600	<1	44	101	<1	23
L98300E-47500N	<5	1.0	87	194	620	<1	21	173	1	26
L98300E-47512.5N	<5	2.4	59	235	610	<1	14	115	2	35
L98300E-47537.5N	<5	0.8	33	272	270	<1	8	129	1	20
L98300E-46675N extra	<5	<0.5	286	187	50	<1	57	61	<1	10
L98300-47325N extra	<5	2.7	33	335	730	<1	7	70	1	32
*Dup L98300E-46525N	<5	5.5	48	320	1200	<1	12	142	3	32
*Dup L98300E-46687.5N	<5	4.3	133	160	550	<1	33	123	1	30
*Dup L98300E-46862.5N	<5	6.0	36	373	740	<1	8	98	2	40
*Dup L98300E-47312.5N	9	38.5	32	522	1190	<1	9	261	6	116
*Dup L98300E-47475N	<5	1.4	40	540	880	<1	8	109	1	25
*Std MMISRM14	34	<0.5	10	250	80	44	1	251	<1	7
*Std MMISRM14	33	<0.5	13	255	70	44	3	278	<1	7
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Bik BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98300E-46525N	9	2	130	<1	1	<10	15.6	2990	<0.5	4
L98300E-46537.5N	22	<1	230	<1	3	<10	18.4	1130	<0.5	4
L98300E-46550N	7	3	90	<1	1	<10	15.5	2820	<0.5	4
L98300E-46562.5N	13	1	100	<1	2	<10	32.3	1120	<0.5	7
L98300E-46575N	22	<1	10	<1	3	<10	19.7	657	<0.5	7
L98300E-46587.5N	5	2	50	<1	<1	<10	13.5	2640	<0.5	5
L98300E-46600N	5	2	120	<1	<1	<10	12.7	3260	<0.5	4
L98300E-46612.5N	7	<1	70	<1	1	<10	11.9	1350	<0.5	4
L98300E-46625N	6	<1	70	<1	1	<10	9.2	1290	<0.5	4
L98300E-46637.5N	5	<1	40	<1	2	<10	10.9	2090	<0.5	5
L98300E-46650N	3	<1	30	<1	1	<10	7.8	510	<0.5	4
L98300E-46662.5N	5	<1	270	<1	<1	<10	8.1	1100	<0.5	3
L98300E-46687.5N	24	<1	130	<1	3	<10	16.1	1600	<0.5	9
L98300E-46700N	17	6	130	2	3	<10	20.2	10800	0.9	8
L98300E-46712.5N	8	5	80	2	2	<10	13.1	9850	0.6	7
L98300E-46725N	7	3	90	<1	1	<10	13.3	2930	0.5	4
L98300E-46737.5N	9	4	130	<1	2	<10	24.2	4180	0.8	8
L98300E-46750N	6	4	110	<1	1	<10	11.9	4350	<0.5	4
L98300E-46775N	8	5	110	2	2	<10	13.7	8410	0.6	6
L98300E-46787.5N	6	5	130	1	1	<10	21.0	6900	0.8	7
L98300E-46800N	6	4	210	<1	1	<10	15.7	5290	<0.5	4
L98300E-46812.5N	69	2	60	<1	10	<10	39.1	4680	0.6	13
L98300E-46825N	19	<1	140	<1	3	<10	10.1	587	<0.5	7
L98300E-46850N	4	<1	340	<1	<1	<10	3.7	65	<0.5	6
L98300E-46862.5N	9	<1	160	<1	2	<10	9.7	2260	<0.5	5
L98300E-46875N	8	<1	80	<1	2	<10	10.4	1330	<0.5	4
L98300E-46900N	12	2	110	<1	2	<10	14.7	3120	<0.5	7
L98300E-46912.5N	10	1	90	<1	2	<10	12.4	2400	<0.5	4
L98300E-46925N	3	<1	280	<1	1	<10	11.0	1180	0.5	4
L98300E-46937.5N	3	1	120	<1	1	<10	11.1	2040	<0.5	4
L98300E-46950N	11	<1	80	<1	2	<10	12.8	1630	<0.5	4
L98300E-46987.5N	57	<1	340	<1	6	<10	12.8	30	<0.5	15
L98300E-47000N	20	<1	60	<1	3	<10	11.8	653	<0.5	5
L98300E-47012.5N	10	<1	50	<1	2	<10	16.3	689	<0.5	6
L98300E-47037.5N	27	<1	10	<1	6	<10	20.8	460	0.5	10
L98300E-47050N	10	2	60	<1	2	<10	13.4	1710	<0.5	4
L98300E-47312.5N	6	6	150	2	1	<10	18.4	10300	0.9	7
L98300E-47325N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L98300E-47337.5N	7	1	30	<1	1	<10	6.0	2620	<0.5	2
L98300E-47350N	12	4	80	1	2	<10	19.8	7880	0.6	6
L98300E-47362.5N	16	3	110	<1	3	<10	33.7	5300	0.6	7
L98300E-47375N	2	5	100	<1	<1	<10	11.2	5180	1.0	4
L98300E-47387.5N	13	2	50	<1	2	<10	11.8	2800	<0.5	4
L98300E-47400N	11	8	100	2	2	<10	24.0	13400	1.0	9
L98300E-47412.5N	13	4	100	1	2	<10	28.4	5950	0.6	9
L98300E-47425N	7	4	300	<1	1	<10	16.3	4770	0.5	5
L98300E-47437.5N	4	<1	70	1	<1	<10	7.8	522	<0.5	3
L98300E-47462.5N	28	<1	40	<1	5	<10	29.2	1620	<0.5	7

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98300E-47475N	9	<1	150	<1	2	<10	10.4	504	<0.5	4
L98300E-47487.5N	41	<1	270	<1	5	<10	7.8	646	<0.5	4
L98300E-47500N	19	<1	110	<1	3	<10	18.4	404	<0.5	5
L98300E-47512.5N	14	<1	50	<1	3	<10	18.8	738	<0.5	6
L98300E-47537.5N	7	<1	60	<1	1	<10	11.6	301	<0.5	3
L98300E-46675N extra	60	<1	430	<1	6	<10	2.2	<3	<0.5	18
L98300-47325N extra	7	<1	40	<1	2	<10	9.5	1210	<0.5	4
*Dup L98300E-46525N	10	1	130	<1	2	<10	14.0	2550	<0.5	3
*Dup L98300E-46687.5N	26	<1	90	<1	4	<10	16.0	2070	<0.5	10
*Dup L98300E-46862.5N	9	1	160	<1	2	<10	9.5	2600	<0.5	5
*Dup L98300E-47312.5N	7	9	200	3	2	<10	23.2	13400	1.2	8
*Dup L98300E-47475N	10	<1	170	<1	2	<10	11.9	650	<0.5	4
*Std MMISRM14	2	<1	460	<1	<1	<10	11.3	<3	<0.5	31
*Std MMISRM14	3	<1	530	<1	<1	<10	12.2	<3	<0.5	29
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
L98300E-46525N	1	37	3	620	33
L98300E-46537.5N	<1	56	4	90	25
L98300E-46550N	<1	31	3	1000	36
L98300E-46562.5N	<1	46	4	690	43
L98300E-46575N	<1	87	6	300	29
L98300E-46587.5N	<1	25	2	1840	38
L98300E-46600N	<1	31	3	740	36
L98300E-46612.5N	<1	42	3	890	24
L98300E-46625N	<1	28	2	600	21
L98300E-46637.5N	<1	55	6	1040	27
L98300E-46650N	<1	38	4	1380	16
L98300E-46662.5N	<1	25	2	2330	17
L98300E-46687.5N	1	81	5	620	28
L98300E-46700N	3	73	6	570	125
L98300E-46712.5N	3	49	4	1300	99
L98300E-46725N	1	43	3	2100	42
L98300E-46737.5N	2	52	6	3420	64
L98300E-46750N	1	33	3	2280	68
L98300E-46775N	3	53	5	1740	104
L98300E-46787.5N	2	50	5	1950	83
L98300E-46800N	2	28	3	2160	71
L98300E-46812.5N	2	195	12	1100	88
L98300E-46825N	<1	73	5	530	15
L98300E-46850N	<1	11	<1	510	<5
L98300E-46862.5N	<1	56	5	2210	25
L98300E-46875N	<1	47	4	1360	20
L98300E-46900N	<1	52	4	500	36
L98300E-46912.5N	<1	44	3	660	32
L98300E-46925N	<1	39	4	6580	18
L98300E-46937.5N	<1	41	4	1830	28
L98300E-46950N	<1	61	5	500	27
L98300E-46987.5N	<1	140	8	70	14
L98300E-47000N	<1	90	6	240	17
L98300E-47012.5N	<1	47	3	1440	23
L98300E-47037.5N	<1	160	11	800	31
L98300E-47050N	<1	47	3	1000	30
L98300E-47312.5N	3	46	5	5610	125
L98300E-47325N	N.A.	N.A.	N.A.	N.A.	N.A.
L98300E-47337.5N	<1	47	4	460	35
L98300E-47350N	2	53	4	500	95
L98300E-47362.5N	2	63	5	960	92
L98300E-47375N	2	23	4	1380	68
L98300E-47387.5N	<1	67	5	500	48
L98300E-47400N	4	76	7	500	160
L98300E-47412.5N	2	56	5	2140	97
L98300E-47425N	2	60	16	1250	89
L98300E-47437.5N	3	31	3	2690	14
L98300E-47462.5N	1	98	8	1080	47

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Final : 094066 Order: KAR ENTERPRISES

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
L98300E-47475N	<1	58	4	2630	14
L98300E-47487.5N	<1	154	8	500	15
L98300E-47500N	<1	64	4	700	25
L98300E-47512.5N	<1	63	4	1260	31
L98300E-47537.5N	<1	28	2	1530	18
L98300E-46675N extra	<1	204	8	480	<5
L98300-47325N extra	<1	43	3	800	23
*Dup L98300E-46525N	<1	37	3	720	28
*Dup L98300E-46687.5N	<1	84	5	550	27
*Dup L98300E-46862.5N	<1	65	5	2040	26
*Dup L98300E-47312.5N	5	49	5	6780	164
*Dup L98300E-47475N	<1	57	4	2940	20
*Std MMISRM14	<1	5	<1	310	8
*Std MMISRM14	<1	7	<1	340	13
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094123

To: **Geotronics Consulting Inc.**

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

Date: Aug 04, 2007

P.O. No. :
Project No. : DEFAULT
No. Of Samples 37
Date Submitted Jul 17, 2007
Report Comprises Pages 1 to 6
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 37 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
97900E-46400N	20	122	20	0.2	930	<1	50	5	364	43
97900E-46412.5N	7	186	10	<0.1	540	1	70	29	35	68
97900E-46425N	10	225	30	<0.1	500	1	10	24	29	59
97900E-46437.5N	15	270	120	0.2	790	3	<10	17	268	87
97900E-46450N	19	209	20	0.1	360	<1	20	6	60	48
97900E-46462.5N	12	198	<10	<0.1	360	<1	20	11	80	62
97900E-46487.5N	9	191	10	<0.1	510	1	50	20	40	94
97900E-46500N	25	19	20	0.9	620	<1	330	16	93	272
97900E-46512.5N	11	214	20	0.2	640	1	70	22	176	72
97900E-46525N	4	143	50	0.1	690	2	150	110	221	311
97900E-46537.5N	9	202	<10	<0.1	390	<1	<10	7	42	131
97900E-46575N	3	69	10	<0.1	870	<1	420	71	38	77
97900E-46550N	11	237	30	<0.1	620	<1	20	15	227	88
97900E-46562.5N	7	239	10	<0.1	310	1	20	16	65	97
97900E-46587.5N	8	205	30	<0.1	500	2	40	20	23	86
97900E-46600N	9	241	40	<0.1	740	<1	20	12	114	71
97900E-46612.5N	19	82	30	0.7	610	<1	270	12	1290	88
97900E-46625N	18	213	30	<0.1	580	1	130	24	52	58
97900E-46637.5N	3	172	40	<0.1	360	4	120	71	36	203
97900E-46650N	16	124	20	0.1	1060	<1	220	11	112	50
97900E-46662.5N	14	228	<10	<0.1	710	<1	20	11	51	72
97900E-46675N	12	257	30	<0.1	560	2	<10	16	24	137
97900E-46687.5N	31	243	20	<0.1	1000	<1	10	9	141	49
97900E-46700N	15	226	10	<0.1	1250	<1	10	19	39	101
97900E-46712.5N	16	264	50	<0.1	910	2	40	24	132	126
97900E-46725N	15	168	<10	<0.1	1200	<1	50	9	109	52
97900E-46737.5N	20	234	20	<0.1	840	1	30	30	65	62
97900E-46750N	15	203	20	<0.1	550	1	10	18	48	115
97900E-46762.5N	16	164	10	<0.1	510	<1	80	16	159	35
97900E-46775N	8	212	10	<0.1	380	<1	10	11	76	63
97900E-46787.5N	3	75	40	<0.1	420	6	310	87	40	191
97900E-46800N	9	192	30	0.1	740	1	140	4	147	64
97900E-46812.5N	4	249	40	<0.1	480	1	40	9	64	138
97900E-46825N	7	191	10	<0.1	420	<1	20	12	46	95
97900E-46837.5N	9	206	20	<0.1	560	<1	30	11	41	42
97900E-46850N	7	215	40	<0.1	520	1	20	9	127	57
97900E-46575N-A	6	231	40	<0.1	400	3	40	45	19	163
*Dup 97900E-46400N	21	117	<10	0.2	960	<1	50	4	429	26
*Dup 97900E-46550N	10	227	20	<0.1	580	<1	20	13	261	65
*Dup 97900E-46712.5N	15	243	30	<0.1	750	1	40	23	109	104
*Dup 97900E-46575N-A	5	221	40	<0.1	420	3	50	52	18	175
*Std MMISRM14	19	37	10	45.6	70	<1	260	9	15	50
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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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
97900E-46400N	100	700	68	33.7	24.2	45	100	219	<5	7
97900E-46412.5N	<100	580	14	8.3	2.4	49	10	15	<5	22
97900E-46425N	<100	660	11	6.7	2.1	54	8	14	<5	4
97900E-46437.5N	200	710	12	6.2	2.4	95	9	27	6	2
97900E-46450N	100	250	12	6.5	2.9	42	10	22	<5	2
97900E-46462.5N	<100	280	18	9.8	4.3	40	16	40	<5	4
97900E-46487.5N	<100	270	9	4.8	1.9	33	7	16	<5	4
97900E-46500N	<100	3240	23	9.9	10.2	9	45	130	<5	117
97900E-46512.5N	100	760	43	22.2	12.3	65	53	126	<5	12
97900E-46525N	<100	1210	21	11.2	6.5	76	22	94	5	42
97900E-46537.5N	<100	360	14	10.8	2.5	70	9	22	<5	3
97900E-46575N	<100	200	6	3.5	1.8	11	8	17	<5	30
97900E-46550N	100	410	32	16.8	7.9	68	32	70	<5	3
97900E-46562.5N	<100	370	14	7.8	3.6	66	14	38	5	4
97900E-46587.5N	<100	200	8	4.6	1.5	59	6	12	<5	8
97900E-46600N	<100	320	17	9.7	4.2	79	15	38	7	4
97900E-46612.5N	100	5070	155	82.9	55.6	31	244	844	7	55
97900E-46625N	<100	330	8	4.0	2.4	91	8	26	11	12
97900E-46637.5N	<100	500	9	5.5	2.2	95	8	17	10	14
97900E-46650N	<100	370	17	8.5	5.6	46	24	67	5	22
97900E-46662.5N	<100	140	11	5.9	2.5	62	9	19	8	3
97900E-46675N	<100	220	5	4.5	0.9	112	3	9	17	3
97900E-46687.5N	100	230	17	7.9	5.1	69	18	59	9	2
97900E-46700N	<100	340	10	5.6	1.9	49	6	13	6	4
97900E-46712.5N	100	450	13	6.5	3.4	94	13	40	16	8
97900E-46725N	<100	370	17	8.5	4.1	18	16	34	<5	10
97900E-46737.5N	<100	320	10	5.1	2.2	51	9	24	10	6
97900E-46750N	<100	250	12	6.7	2.7	48	10	24	5	2
97900E-46762.5N	<100	310	13	6.3	4.5	33	18	58	<5	7
97900E-46775N	<100	250	13	7.0	3.5	44	12	31	8	3
97900E-46787.5N	<100	450	9	5.0	2.4	45	11	19	8	59
97900E-46800N	100	500	17	8.2	6.4	146	25	98	19	24
97900E-46812.5N	<100	340	5	4.0	1.1	169	4	15	19	12
97900E-46825N	<100	150	12	6.6	2.5	44	9	16	<5	5
97900E-46837.5N	<100	190	10	5.5	2.5	48	9	20	<5	4
97900E-46850N	<100	190	16	8.3	4.8	97	17	40	9	4
97900E-46575N-A	<100	640	9	5.8	1.2	124	5	7	6	8
*Dup 97900E-46400N	<100	540	71	32.4	27.1	30	107	282	<5	7
*Dup 97900E-46550N	<100	350	31	15.0	9.4	58	35	83	<5	3
*Dup 97900E-46712.5N	<100	400	12	6.1	3.1	68	13	38	7	7
*Dup 97900E-46575N-A	<100	640	8	5.2	1.1	116	4	7	5	9
*Std MMISRM14	<100	800	2	0.7	1.0	2	4	2	<5	34
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
97900E-46400N	7	3.5	400	59	530	<1	79	88	1	65
97900E-46412.5N	<5	1.4	29	498	910	<1	6	79	1	39
97900E-46425N	<5	3.2	25	760	750	<1	5	125	2	43
97900E-46437.5N	7	5.0	33	205	1140	<1	8	136	3	54
97900E-46450N	<5	1.8	34	114	330	<1	7	103	1	42
97900E-46462.5N	<5	1.9	61	211	510	<1	13	146	1	41
97900E-46487.5N	<5	1.2	21	378	820	<1	5	112	2	32
97900E-46500N	<5	<0.5	203	332	60	<1	42	44	1	27
97900E-46512.5N	<5	4.4	206	277	620	<1	43	104	2	78
97900E-46525N	5	12.1	93	1500	1390	<1	23	147	2	82
97900E-46537.5N	<5	4.3	35	151	210	<1	8	71	<1	48
97900E-46575N	<5	0.5	25	302	620	<1	6	126	1	15
97900E-46550N	<5	4.2	120	178	460	<1	25	126	2	63
97900E-46562.5N	<5	2.8	55	269	550	<1	12	180	1	40
97900E-46587.5N	<5	2.2	18	376	710	<1	4	95	2	27
97900E-46600N	<5	4.4	59	241	480	<1	13	72	2	38
97900E-46612.5N	<5	1.3	1140	409	380	<1	253	126	1	125
97900E-46625N	6	6.6	31	409	510	<1	7	120	2	31
97900E-46637.5N	<5	3.7	25	312	980	<1	6	108	2	28
97900E-46650N	<5	2.5	99	182	380	<1	21	138	1	29
97900E-46662.5N	<5	2.7	32	203	360	<1	7	95	1	32
97900E-46675N	5	6.2	10	323	510	<1	2	123	2	31
97900E-46687.5N	5	4.4	68	127	420	<1	16	135	2	47
97900E-46700N	<5	2.3	20	237	440	<1	5	115	1	29
97900E-46712.5N	5	4.2	50	449	680	<1	11	113	3	38
97900E-46725N	<5	1.0	59	167	610	<1	12	122	1	31
97900E-46737.5N	<5	2.9	32	487	640	<1	7	176	3	27
97900E-46750N	<5	1.8	34	268	380	<1	7	100	2	32
97900E-46762.5N	<5	2.1	77	205	240	<1	17	137	2	35
97900E-46775N	<5	2.7	50	215	380	<1	11	102	2	27
97900E-46787.5N	<5	1.0	33	504	1610	<1	7	29	2	20
97900E-46800N	5	4.5	127	227	370	<1	29	63	2	39
97900E-46812.5N	<5	5.4	15	144	240	<1	4	66	1	30
97900E-46825N	<5	0.8	31	248	430	<1	7	100	1	22
97900E-46837.5N	<5	2.3	30	211	470	<1	7	108	1	24
97900E-46850N	5	5.3	68	158	520	<1	14	98	2	40
97900E-46575N-A	<5	2.5	10	287	1080	<1	2	65	2	32
*Dup 97900E-46400N	<5	2.3	499	37	500	<1	102	79	1	54
*Dup 97900E-46550N	<5	3.7	151	142	420	<1	30	124	1	53
*Dup 97900E-46712.5N	<5	2.4	47	407	670	<1	10	103	2	28
*Dup 97900E-46575N-A	<5	2.1	10	275	1240	<1	2	72	2	30
*Std MMISRM14	36	<0.5	10	276	120	50	2	276	1	6
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
97900E-46400N	97	<1	200	<1	13	<10	23.8	1370	0.6	11
97900E-46412.5N	8	<1	160	<1	2	<10	7.9	617	<0.5	4
97900E-46425N	7	1	30	<1	2	<10	6.3	1370	<0.5	4
97900E-46437.5N	9	1	20	<1	2	<10	44.0	2280	0.6	11
97900E-46450N	9	<1	40	<1	2	<10	12.0	787	<0.5	6
97900E-46462.5N	15	<1	30	<1	3	<10	10.1	813	0.5	5
97900E-46487.5N	6	<1	100	<1	1	<10	13.1	510	<0.5	5
97900E-46500N	43	<1	500	<1	5	<10	15.5	44	<0.5	7
97900E-46512.5N	48	<1	100	<1	8	<10	32.8	1980	0.6	8
97900E-46525N	21	<1	340	<1	4	<10	26.8	276	0.7	11
97900E-46537.5N	8	<1	20	<1	2	<10	9.8	1760	<0.5	3
97900E-46575N	7	<1	500	<1	1	<10	4.7	100	<0.5	6
97900E-46550N	29	<1	40	<1	5	<10	26.4	2220	<0.5	9
97900E-46562.5N	13	<1	40	<1	2	<10	12.8	1400	<0.5	4
97900E-46587.5N	5	<1	110	<1	1	<10	5.4	957	<0.5	3
97900E-46600N	13	<1	60	<1	3	<10	9.9	2250	<0.5	5
97900E-46612.5N	238	<1	370	<1	31	<10	57.0	291	1.2	20
97900E-46625N	8	1	110	<1	1	<10	11.5	3400	<0.5	3
97900E-46637.5N	7	<1	150	<1	1	<10	9.2	1580	<0.5	3
97900E-46650N	23	<1	220	<1	3	<10	12.7	1020	<0.5	7
97900E-46662.5N	8	<1	40	<1	2	<10	10.1	1120	<0.5	5
97900E-46675N	3	<1	20	<1	<1	<10	9.8	2830	<0.5	4
97900E-46687.5N	17	<1	30	<1	3	<10	23.6	2120	<0.5	9
97900E-46700N	5	<1	50	<1	1	<10	7.2	678	<0.5	3
97900E-46712.5N	12	<1	90	<1	2	<10	24.3	1900	<0.5	6
97900E-46725N	15	<1	150	<1	3	<10	15.3	261	<0.5	6
97900E-46737.5N	8	<1	80	<1	2	<10	16.0	1150	<0.5	5
97900E-46750N	8	<1	50	<1	2	<10	7.4	637	<0.5	3
97900E-46762.5N	17	<1	70	<1	2	<10	16.3	845	<0.5	5
97900E-46775N	12	<1	20	<1	2	<10	9.0	1030	<0.5	5
97900E-46787.5N	9	<1	290	<1	2	<10	6.3	319	<0.5	4
97900E-46800N	26	<1	130	<1	3	<10	17.0	1310	0.5	8
97900E-46812.5N	3	<1	90	<1	<1	<10	12.0	1500	<0.5	4
97900E-46825N	7	<1	70	<1	2	<10	5.8	308	<0.5	4
97900E-46837.5N	8	<1	60	<1	2	<10	8.5	1020	<0.5	4
97900E-46850N	17	<1	20	<1	3	<10	16.8	2630	<0.5	7
97900E-46575N-A	3	<1	100	<1	1	<10	8.7	1460	<0.5	3
*Dup 97900E-46400N	111	<1	200	<1	14	<10	23.9	952	<0.5	10
*Dup 97900E-46550N	35	<1	40	<1	5	<10	26.7	2060	<0.5	9
*Dup 97900E-46712.5N	12	<1	90	<1	2	<10	21.6	1150	<0.5	5
*Dup 97900E-46575N-A	3	<1	130	<1	1	<10	8.6	1160	<0.5	3
*Std MMISRM14	4	<1	480	<1	<1	<10	15.4	<3	<0.5	36
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 094123 Order:

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
97900E-46400N	2	370	25	100	40
97900E-46412.5N	<1	82	6	820	16
97900E-46425N	<1	64	5	1620	19
97900E-46437.5N	1	48	5	390	75
97900E-46450N	<1	60	5	<20	27
97900E-46462.5N	<1	98	7	130	24
97900E-46487.5N	<1	44	4	260	23
97900E-46500N	<1	131	7	280	20
97900E-46512.5N	<1	243	17	2200	64
97900E-46525N	<1	94	9	11100	60
97900E-46537.5N	<1	86	10	90	33
97900E-46575N	<1	34	3	3160	6
97900E-46550N	<1	158	12	240	50
97900E-46562.5N	<1	76	6	180	30
97900E-46587.5N	<1	43	4	440	16
97900E-46600N	<1	100	8	80	29
97900E-46612.5N	<1	1080	65	60	146
97900E-46625N	<1	39	3	880	31
97900E-46637.5N	<1	49	4	940	18
97900E-46650N	<1	94	7	100	25
97900E-46662.5N	<1	55	5	70	27
97900E-46675N	<1	29	4	270	30
97900E-46687.5N	<1	71	6	100	53
97900E-46700N	<1	51	5	490	21
97900E-46712.5N	<1	63	5	860	48
97900E-46725N	<1	84	6	160	26
97900E-46737.5N	<1	52	4	1620	29
97900E-46750N	<1	63	5	920	21
97900E-46762.5N	<1	66	5	750	30
97900E-46775N	<1	66	5	320	22
97900E-46787.5N	<1	49	4	3630	<5
97900E-46800N	<1	87	6	60	50
97900E-46812.5N	<1	27	4	300	29
97900E-46825N	<1	61	5	350	12
97900E-46837.5N	<1	52	4	170	20
97900E-46850N	<1	80	7	240	36
97900E-46575N-A	<1	48	5	1260	18
*Dup 97900E-46400N	<1	375	24	20	34
*Dup 97900E-46550N	<1	150	11	210	45
*Dup 97900E-46712.5N	<1	56	4	870	37
*Dup 97900E-46575N-A	<1	44	4	1560	15
*Std MMISRM14	<1	9	<1	280	7
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094124

To: **Geotronics Consulting Inc.**

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

Date: Aug 04, 2007

P.O. No. :
Project No. : DEFAULT
No. Of Samples 52
Date Submitted Jul 17, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 52 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
97800E-46662.5N	10	217	80	0.2	880	3	110	18	96	165
97800E-46675N	7	93	20	0.1	290	<1	30	3	26	42
97800E-46687.5N	5	78	20	<0.1	320	<1	30	3	57	96
97800E-46700N	14	102	30	<0.1	390	<1	20	4	233	63
*Dup 97900E-46862.5N	11	151	50	0.2	910	<1	120	18	78	195
*Dup 97900E-47137.5N	34	30	NVL	0.6	470	<1	310	8	8	85
*Dup 97900E-47350N	16	190	20	<0.1	570	<1	50	12	46	103
*Dup 97800E-46437.5N	7	130	250	0.3	690	7	130	35	931	618
*Dup 97800E-46662.5N	10	208	100	0.1	830	3	120	17	109	171
*Std MMISRM14	18	38	10	41.3	110	<1	230	8	15	51
*Std MMISRM14	20	41	10	43.9	80	<1	260	8	15	55
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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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
97900E-46862.5N	<100	380	10	5.8	2.3	75	9	22	6	15
97900E-46875N	<100	890	138	82.4	26.1	78	120	232	<5	11
97900E-46887.5N	<100	600	13	7.2	4.1	24	17	37	<5	41
97900E-46912.5N	<100	600	18	9.7	6.0	18	26	74	<5	39
97900E-46925N	<100	400	10	5.8	2.2	59	8	17	<5	7
97900E-46937.5N	<100	350	9	4.6	2.5	34	9	26	<5	7
97900E-46950N	<100	470	8	4.8	1.6	60	7	14	<5	14
97900E-46962.5N	<100	540	40	24.1	7.3	23	34	75	<5	21
97900E-46987.5N	<100	480	13	6.6	2.8	31	12	24	<5	11
97900E-47050N	<100	310	12	7.2	2.6	75	10	19	9	6
97900E-47087.5N	<100	1870	6	2.8	2.7	5	11	21	<5	84
97900E-47125N	<100	1790	4	1.9	1.8	2	8	9	<5	34
97900E-47137.5N	<100	1010	2	0.7	0.7	3	2	3	<5	46
97900E-47150N	<100	1220	2	0.7	0.7	3	2	4	<5	37
97900E-47175N	<100	210	9	5.2	1.5	35	6	11	5	8
97900E-47187.5N	<100	1790	18	7.4	9.0	7	38	102	<5	65
97900E-47250N	<100	420	12	6.6	3.0	66	12	44	20	8
97900E-47262.5N	<100	200	15	8.7	3.9	42	15	32	9	2
97900E-47275N	<100	340	26	12.3	8.9	41	32	100	9	3
97900E-47287.5N	<100	310	11	6.1	2.6	55	10	28	12	5
97900E-47300N	<100	340	11	5.5	2.9	85	11	40	18	9
97900E-47312.5N	<100	310	12	6.7	3.4	73	13	34	14	5
97900E-47325N	<100	380	13	7.2	2.9	51	11	27	9	3
97900E-47337.5N	<100	310	15	7.7	3.7	42	14	42	9	3
97900E-47350N	<100	250	12	6.8	2.9	42	11	31	9	6
97900E-47375N	<100	240	8	3.6	2.4	22	9	33	<5	9
97900E-47387.5N	<100	390	21	11.5	5.0	34	21	59	10	7
97900E-47412.5N	<100	860	69	43.1	14.8	5	72	132	<5	59
97900E-47425N	<100	530	27	15.8	6.6	36	28	55	<5	3
97900E-47437.5N	<100	280	18	10.3	4.7	38	19	33	<5	2
97900E-47450N	<100	410	14	7.8	4.5	10	17	26	<5	<1
97900E-47462.5N	<100	510	11	5.7	2.5	59	10	23	<5	4
97900E-47475N	<100	400	36	19.8	10.4	44	43	61	<5	2
97800E-46400N	<100	250	10	5.6	2.0	32	8	13	<5	2
97800E-46412.5N	<100	690	23	11.9	6.0	24	25	52	<5	4
97800E-46425N	<100	880	26	12.6	8.4	23	33	102	<5	11
97800E-46437.5N	200	2650	53	24.9	22.7	153	92	475	9	26
97800E-46512.5N	<100	3310	181	91.6	79.5	39	350	1540	<5	57
97800E-46525N	200	1640	94	38.2	36.0	75	146	881	5	16
97800E-46537.5N	100	780	61	29.1	19.3	49	78	269	<5	4
97800E-46550N	<100	570	10	6.5	2.2	99	8	25	15	9
97800E-46562.5N	<100	340	10	5.4	2.6	48	10	36	6	5
97800E-46575N	<100	140	11	5.9	3.0	29	11	32	<5	1
97800E-46587.5N	<100	240	9	5.2	1.9	29	7	20	7	4
97800E-46600N	<100	250	16	9.2	3.5	38	13	30	11	3
97800E-46612.5N	<100	530	12	7.0	2.6	67	11	28	11	11
97800E-46625N	<100	290	11	7.0	2.3	45	8	14	11	3
97800E-46637.5N	<100	320	9	5.3	2.0	63	8	25	9	7

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Final : 094124 Order:

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
97800E-46662.5N	200	350	14	7.4	4.2	153	16	39	18	16
97800E-46675N	<100	190	3	1.9	1.0	44	4	22	9	3
97800E-46687.5N	<100	320	3	1.4	1.1	19	4	18	<5	2
97800E-46700N	100	220	7	3.0	2.6	29	9	58	6	2
*Dup 97900E-46862.5N	100	300	5	2.9	1.7	54	6	20	14	12
*Dup 97900E-47137.5N	<100	980	2	0.8	0.8	4	3	5	<5	47
*Dup 97900E-47350N	<100	220	11	6.6	2.6	48	10	29	9	6
*Dup 97800E-46437.5N	300	2700	45	21.3	19.6	168	79	457	18	29
*Dup 97800E-46662.5N	200	310	13	7.1	4.3	162	16	45	21	18
*Std MMISRM14	<100	760	2	0.8	1.0	2	4	2	<5	30
*Std MMISRM14	<100	820	2	0.8	1.0	2	4	2	<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 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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
97900E-46862.5N	<5	2.8	32	407	640	<1	7	72	2	33
97900E-46875N	<5	3.4	448	204	750	<1	94	194	<1	217
97900E-46887.5N	<5	0.8	62	319	570	<1	13	105	<1	21
97900E-46912.5N	<5	<0.5	112	433	620	<1	24	134	<1	21
97900E-46925N	<5	1.3	29	191	660	<1	6	200	<1	26
97900E-46937.5N	<5	1.1	36	247	570	<1	8	101	1	25
97900E-46950N	<5	1.9	21	485	780	<1	5	68	1	21
97900E-46962.5N	<5	0.7	117	412	1200	<1	25	142	1	41
97900E-46987.5N	<5	0.8	40	226	860	<1	8	134	1	23
97900E-47050N	<5	3.3	35	335	850	<1	7	125	1	35
97900E-47087.5N	<5	<0.5	40	197	70	<1	8	53	<1	8
97900E-47125N	<5	<0.5	25	46	50	<1	4	64	<1	7
97900E-47137.5N	<5	<0.5	8	85	20	<1	1	63	<1	<5
97900E-47150N	<5	<0.5	8	81	40	<1	2	68	<1	<5
97900E-47175N	<5	1.3	21	192	720	<1	4	47	<1	20
97900E-47187.5N	<5	<0.5	168	82	70	<1	32	83	<1	18
97900E-47250N	<5	6.1	51	382	600	<1	11	198	2	42
97900E-47262.5N	<5	2.5	55	162	460	<1	11	181	<1	34
97900E-47275N	5	6.1	135	75	320	<1	30	93	<1	53
97900E-47287.5N	<5	4.4	37	203	780	<1	8	93	2	31
97900E-47300N	<5	5.8	44	347	730	<1	10	101	2	36
97900E-47312.5N	<5	5.6	50	222	490	<1	10	122	1	40
97900E-47325N	<5	3.3	39	358	750	<1	8	144	2	33
97900E-47337.5N	<5	3.5	53	285	650	<1	12	127	2	35
97900E-47350N	<5	3.0	43	331	510	<1	9	89	1	26
97900E-47375N	<5	1.5	37	158	330	<1	8	122	<1	14
97900E-47387.5N	<5	2.3	80	263	490	<1	17	149	1	36
97900E-47412.5N	<5	<0.5	215	196	170	<1	44	131	<1	54
97900E-47425N	<5	1.2	98	195	690	<1	19	146	1	38
97900E-47437.5N	7	2.0	64	114	560	<1	13	136	1	33
97900E-47450N	6	<0.5	57	50	350	<1	11	140	<1	17
97900E-47462.5N	<5	1.2	37	541	950	<1	8	191	3	24
97900E-47475N	<5	1.4	150	175	2390	<1	27	135	1	31
97800E-46400N	<5	1.1	24	202	400	<1	5	116	<1	23
97800E-46412.5N	6	1.3	88	187	1130	<1	18	178	1	39
97800E-46425N	<5	1.5	145	336	960	<1	32	132	2	37
97800E-46437.5N	5	5.0	580	454	1340	<1	137	55	4	106
97800E-46512.5N	<5	1.6	2040	855	300	<1	447	70	2	120
97800E-46525N	<5	4.3	908	433	1200	<1	228	107	3	149
97800E-46537.5N	<5	4.5	381	194	960	<1	85	164	2	100
97800E-46550N	<5	5.0	31	556	600	<1	7	125	2	37
97800E-46562.5N	<5	2.9	39	370	600	<1	9	221	2	26
97800E-46575N	<5	1.3	46	195	390	<1	10	79	1	22
97800E-46587.5N	<5	2.0	29	270	460	<1	6	87	1	17
97800E-46600N	<5	3.9	54	138	680	<1	11	114	1	29
97800E-46612.5N	<5	3.6	39	418	980	<1	8	108	2	31
97800E-46625N	<5	4.0	28	271	870	<1	6	81	1	36
97800E-46637.5N	<5	4.3	30	620	860	<1	6	131	2	28

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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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
97800E-46662.5N	<5	14.8	60	471	760	<1	13	68	4	41
97800E-46675N	<5	3.5	19	176	210	<1	5	32	2	23
97800E-46687.5N	<5	0.8	18	116	110	<1	4	44	1	13
97800E-46700N	<5	2.1	48	149	90	<1	12	51	2	24
*Dup 97900E-46862.5N	7	2.8	26	248	540	<1	6	58	2	28
*Dup 97900E-47137.5N	<5	<0.5	11	98	20	<1	2	56	<1	7
*Dup 97900E-47350N	<5	3.4	37	316	440	<1	8	99	1	31
*Dup 97800E-46437.5N	6	6.4	521	482	1360	<1	126	54	4	107
*Dup 97800E-46662.5N	5	17.9	64	474	690	<1	14	68	4	39
*Std MMISRM14	35	<0.5	12	295	120	51	2	260	<1	6
*Std MMISRM14	38	<0.5	12	319	120	56	2	282	1	10
*Blk BLANK	<5	<0.5	1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sr 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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
97900E-46862.5N	8	<1	180	<1	2	<10	15.6	1240	<0.5	4
97900E-46875N	103	<1	120	<1	21	<10	85.2	1030	<0.5	37
97900E-46887.5N	15	<1	320	<1	2	<10	12.1	197	<0.5	8
97900E-46912.5N	24	<1	280	<1	3	<10	8.7	41	<0.5	14
97900E-46925N	7	<1	100	<1	1	<10	7.2	447	<0.5	3
97900E-46937.5N	9	<1	100	<1	2	<10	10.5	463	<0.5	4
97900E-46950N	5	<1	160	<1	1	<10	7.0	821	<0.5	3
97900E-46962.5N	28	<1	160	<1	6	<10	21.7	201	<0.5	11
97900E-46987.5N	10	<1	160	<1	2	<10	12.1	308	<0.5	4
97900E-47050N	9	<1	60	<1	2	<10	11.1	1710	<0.5	4
97900E-47087.5N	10	<1	400	<1	1	<10	4.2	37	<0.5	3
97900E-47125N	7	<1	460	<1	<1	<10	2.2	<3	<0.5	7
97900E-47137.5N	2	<1	300	<1	<1	<10	1.4	6	<0.5	2
97900E-47150N	2	<1	380	<1	<1	<10	2.2	4	<0.5	2
97900E-47175N	5	<1	60	<1	1	<10	6.0	565	<0.5	3
97900E-47187.5N	38	<1	440	<1	4	<10	9.7	100	<0.5	5
97900E-47250N	12	<1	160	<1	2	<10	39.9	2250	<0.5	7
97900E-47262.5N	13	<1	30	<1	2	<10	11.4	982	<0.5	7
97900E-47275N	31	<1	40	<1	5	<10	19.2	2680	<0.5	9
97900E-47287.5N	9	<1	80	<1	2	<10	8.8	1750	<0.5	4
97900E-47300N	10	2	130	<1	2	<10	14.9	2760	<0.5	4
97900E-47312.5N	12	<1	100	<1	2	<10	15.0	2270	<0.5	6
97900E-47325N	10	<1	60	<1	2	<10	12.0	1320	<0.5	5
97900E-47337.5N	12	<1	40	<1	2	<10	15.7	1480	<0.5	6
97900E-47350N	10	<1	80	<1	2	<10	8.9	1170	<0.5	3
97900E-47375N	9	<1	240	<1	1	<10	9.3	634	<0.5	6
97900E-47387.5N	18	<1	70	<1	3	<10	15.8	797	<0.5	6
97900E-47412.5N	56	<1	460	<1	11	<10	9.4	<3	<0.5	23
97900E-47425N	24	<1	50	<1	4	<10	14.0	557	<0.5	7
97900E-47437.5N	17	<1	30	<1	3	<10	15.8	1090	<0.5	7
97900E-47450N	15	<1	<10	<1	2	<10	7.0	123	<0.5	7
97900E-47462.5N	10	<1	90	<1	2	<10	25.4	361	<0.5	7
97900E-47475N	40	<1	10	<1	6	<10	16.5	620	<0.5	12
97800E-46400N	7	<1	20	<1	1	<10	9.4	498	<0.5	7
97800E-46412.5N	22	<1	50	<1	4	<10	24.3	558	<0.5	9
97800E-46425N	33	<1	130	<1	5	<10	31.7	483	<0.5	8
97800E-46437.5N	107	3	160	<1	11	<10	88.9	1230	<0.5	17
97800E-46512.5N	376	<1	430	<1	39	<10	74.2	285	<0.5	31
97800E-46525N	171	2	220	<1	20	<10	116	1440	0.6	23
97800E-46537.5N	80	<1	90	<1	11	<10	52.9	2200	<0.5	15
97800E-46550N	7	1	80	<1	2	<10	14.9	2270	<0.5	5
97800E-46562.5N	9	<1	90	<1	2	<10	16.0	1300	<0.5	5
97800E-46575N	11	<1	10	<1	2	<10	10.7	517	<0.5	5
97800E-46587.5N	6	<1	30	<1	1	<10	9.3	759	<0.5	3
97800E-46600N	12	<1	10	<1	2	<10	8.8	1410	<0.5	5
97800E-46612.5N	9	<1	110	<1	2	<10	16.0	1630	<0.5	5
97800E-46625N	7	<1	30	2	2	10	5.7	1420	0.5	4
97800E-46637.5N	7	1	170	<1	1	<10	9.4	1720	0.5	5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
97800E-46662.5N	15	3	190	1	2	<10	25.9	5210	0.6	6
97800E-46675N	3	1	20	<1	<1	<10	4.4	1510	<0.5	4
97800E-46687.5N	4	<1	40	<1	<1	<10	8.3	243	<0.5	3
97800E-46700N	10	<1	<10	<1	1	<10	20.0	772	<0.5	5
*Dup 97900E-46862.5N	6	<1	110	<1	<1	<10	11.8	1340	0.5	3
*Dup 97900E-47137.5N	3	<1	300	<1	<1	<10	1.6	10	<0.5	2
*Dup 97900E-47350N	9	<1	90	<1	2	<10	7.9	1380	<0.5	3
*Dup 97800E-46437.5N	94	4	180	<1	10	<10	77.7	1550	0.5	15
*Dup 97800E-46662.5N	15	3	200	<1	2	<10	26.3	6070	0.6	6
*Std MMISRM14	4	<1	440	<1	<1	<10	16.0	<3	<0.5	37
*Std MMISRM14	4	<1	490	<1	<1	<10	16.2	<3	<0.5	37
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 094124 Order:

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
97900E-46862.5N	1	49	4	1510	30
97900E-46875N	1	848	65	220	109
97900E-46887.5N	<1	70	6	680	19
97900E-46912.5N	<1	105	7	2110	11
97900E-46925N	<1	51	5	1820	12
97900E-46937.5N	<1	44	3	710	18
97900E-46950N	<1	41	4	2190	14
97900E-46962.5N	<1	243	17	1420	21
97900E-46987.5N	<1	63	5	660	16
97900E-47050N	<1	60	6	360	25
97900E-47087.5N	<1	34	2	180	10
97900E-47125N	<1	23	1	50	6
97900E-47137.5N	<1	8	<1	40	<5
97900E-47150N	<1	8	<1	60	<5
97900E-47175N	<1	43	4	110	13
97900E-47187.5N	<1	88	5	90	16
97900E-47250N	<1	58	5	1070	74
97900E-47262.5N	<1	81	7	210	24
97900E-47275N	<1	119	9	270	42
97900E-47287.5N	<1	59	5	400	28
97900E-47300N	<1	50	4	590	38
97900E-47312.5N	<1	58	5	600	36
97900E-47325N	<1	63	6	490	28
97900E-47337.5N	<1	69	6	360	37
97900E-47350N	<1	67	5	440	21
97900E-47375N	<1	32	3	480	15
97900E-47387.5N	<1	105	8	640	28
97900E-47412.5N	<1	425	32	680	16
97900E-47425N	<1	150	12	200	21
97900E-47437.5N	<1	87	8	370	26
97900E-47450N	<1	68	6	120	8
97900E-47462.5N	<1	44	4	1710	30
97900E-47475N	<1	168	15	970	21
97800E-46400N	<1	49	4	290	15
97800E-46412.5N	<1	104	8	1250	36
97800E-46425N	<1	111	9	2300	44
97800E-46437.5N	1	218	20	1370	147
97800E-46512.5N	<1	1040	70	970	155
97800E-46525N	1	324	29	1170	186
97800E-46537.5N	<1	279	21	420	99
97800E-46550N	<1	52	6	1670	34
97800E-46562.5N	<1	45	4	1150	33
97800E-46575N	<1	55	5	160	21
97800E-46587.5N	<1	45	4	140	22
97800E-46600N	<1	81	8	160	21
97800E-46612.5N	<1	61	6	1180	31
97800E-46625N	5	65	6	230	19
97800E-46637.5N	1	49	4	620	25

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Final : 094124 Order:

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
97800E-46662.5N	1	72	6	1170	52
97800E-46675N	<1	17	2	510	20
97800E-46687.5N	<1	12	1	310	17
97800E-46700N	<1	25	2	770	40
*Dup 97900E-46862.5N	<1	22	2	1270	32
*Dup 97900E-47137.5N	<1	11	<1	70	5
*Dup 97900E-47350N	<1	63	5	450	24
*Dup 97800E-46437.5N	1	200	17	1670	151
*Dup 97800E-46662.5N	<1	69	6	1140	59
*Std MMISRM14	<1	9	<1	320	9
*Std MMISRM14	<1	10	<1	380	11
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 094076

To: **Geotronics Consulting Inc.**

Date: Aug 01, 2007

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

P.O. No. : KAR ENTERPRISES
Project No. : DEFAULT
No. Of Samples 28
Date Submitted Jul 13, 2007
Report Comprises Pages 1 to 6
(Inclusive of Cover Sheet)

Distribution of unused material:

28 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

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 impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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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
L99800E 46400N	15	208	30	0.1	710	2	40	41	62	89
L99800E 46412.5N	14	211	40	0.3	730	2	40	33	93	45
L99800E 46425N	14	203	20	<0.1	440	2	40	24	39	66
L99800E 46437.5N	18	145	<10	<0.1	490	1	150	15	52	70
L99800E 46475N	8	176	50	<0.1	850	3	120	20	68	290
L99800E 46487.5N	12	186	60	<0.1	550	<1	60	16	29	110
L99800E 46500N	11	215	30	<0.1	570	<1	40	10	193	95
L99800E 46512.5N	6	200	40	<0.1	450	3	70	12	27	160
L99800E 46625N	28	26	40	0.4	600	<1	240	16	762	266
L99800E 46637.5N	20	150	40	<0.1	630	<1	120	13	94	59
L99800E 46650N	24	187	40	<0.1	580	<1	10	15	55	69
L99800E 46662.5N	14	182	20	<0.1	1030	1	70	15	115	81
L99800E 46675N	12	229	60	<0.1	590	2	50	27	67	120
L99800E 46687.5N	16	234	50	<0.1	780	2	40	14	129	108
L99800E 46700N	9	239	70	<0.1	980	2	60	18	39	246
L99800E 46712.5N	20	264	50	<0.1	900	2	40	19	64	138
L99800E 46725N	8	257	30	0.4	300	1	<10	17	66	101
L99800E 46737.5N	22	199	60	<0.1	1490	2	30	6	294	66
L99800E 46750N	12	216	30	<0.1	540	2	10	21	74	173
L99800E 46762.5N	10	248	50	<0.1	660	2	30	23	302	174
L99800E 46775N	10	253	100	<0.1	510	3	30	29	64	120
L99800E 46787.5N	7	261	50	<0.1	490	1	30	9	73	76
L99800E 46800N	7	121	30	0.2	680	1	140	12	319	486
L99800E 46812.5N	11	220	40	<0.1	1130	1	70	10	246	56
L99800E 46825N	4	191	<10	<0.1	730	<1	20	13	56	43
L99800E 46837.5N	6	147	10	<0.1	680	<1	100	14	91	34
L99800E 46850N	28	185	20	<0.1	500	2	30	27	33	65
L99800E 46862.5N	12	206	30	<0.1	470	2	30	30	44	38
*Dup L99800E 46400N	15	218	40	<0.1	620	2	40	38	70	102
*Dup L99800E 675N	12	212	50	<0.1	450	2	40	24	65	103
*Dup L99800E 825N	5	183	10	<0.1	600	1	20	12	71	37
*Std MMISRM14	20	38	20	43.9	80	<1	240	8	12	52
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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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
L99800E 46400N	<100	580	9	4.5	2.0	67	9	21	<5	6
L99800E 46412.5N	<100	290	9	4.2	2.1	50	9	26	<5	5
L99800E 46425N	<100	240	7	3.6	1.7	35	7	16	<5	5
L99800E 46437.5N	<100	150	14	7.1	4.3	32	18	62	<5	21
L99800E 46475N	<100	260	8	4.4	2.4	106	9	24	14	19
L99800E 46487.5N	<100	350	4	2.1	1.2	136	4	14	<5	11
L99800E 46500N	<100	480	13	6.1	3.4	44	13	36	<5	4
L99800E 46512.5N	<100	300	7	4.1	1.6	93	6	10	8	14
L99800E 46625N	<100	4210	59	27.4	29.0	20	126	650	6	71
L99800E 46637.5N	<100	260	12	6.0	4.6	58	18	67	6	13
L99800E 46650N	<100	200	10	5.7	2.6	40	9	25	<5	2
L99800E 46662.5N	<100	510	20	10.0	5.8	44	24	67	10	14
L99800E 46675N	<100	560	9	4.8	2.0	79	8	31	9	5
L99800E 46687.5N	100	370	9	4.2	2.8	74	11	41	8	7
L99800E 46700N	100	320	8	4.7	1.8	133	8	23	19	13
L99800E 46712.5N	100	550	10	5.3	2.6	96	10	35	18	8
L99800E 46725N	<100	510	11	5.8	2.2	69	9	21	8	3
L99800E 46737.5N	200	290	13	5.7	4.5	99	18	106	13	5
L99800E 46750N	<100	460	10	4.9	2.4	45	10	37	5	4
L99800E 46762.5N	100	640	24	10.7	6.7	83	28	110	9	6
L99800E 46775N	100	750	9	4.8	2.1	124	9	32	15	8
L99800E 46787.5N	<100	420	9	4.6	2.8	78	10	55	10	4
L99800E 46800N	<100	1480	50	29.3	19.6	87	85	254	13	33
L99800E 46812.5N	100	250	9	4.0	2.6	59	10	47	10	7
L99800E 46825N	<100	240	9	4.5	2.5	15	9	29	<5	3
L99800E 46837.5N	<100	250	12	6.3	3.7	50	16	58	<5	10
L99800E 46850N	<100	260	8	4.3	2.0	40	8	17	<5	4
L99800E 46862.5N	<100	370	10	4.8	2.4	50	10	29	<5	3
*Dup L99800E 46400N	<100	580	9	4.4	2.1	77	9	25	<5	6
*Dup L99800E 675N	<100	500	9	4.3	2.1	56	8	29	<5	4
*Dup L99800E 825N	<100	270	11	5.2	2.8	18	11	35	<5	3
*Std MMISRM14	<100	820	2	0.6	0.7	2	3	3	<5	36
BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<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	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99800E 46400N	<5	2.0	29	350	700	<1	6	149	2	25
L99800E 46412.5N	<5	1.7	34	432	480	<1	7	137	2	22
L99800E 46425N	<5	1.3	24	344	520	<1	5	128	1	16
L99800E 46437.5N	<5	0.6	75	337	360	<1	17	66	<1	20
L99800E 46475N	<5	2.9	35	417	880	<1	7	37	2	19
L99800E 46487.5N	<5	4.0	17	495	210	<1	4	114	2	18
L99800E 46500N	<5	1.9	51	255	580	<1	11	144	<1	24
L99800E 46512.5N	<5	2.4	18	278	890	<1	3	44	1	20
L99800E 46625N	<5	0.6	774	356	100	<1	171	41	<1	36
L99800E 46637.5N	<5	3.8	84	226	460	<1	19	137	1	29
L99800E 46650N	<5	1.6	35	236	600	<1	7	106	<1	25
L99800E 46662.5N	<5	3.1	101	237	720	<1	21	122	<1	35
L99800E 46675N	<5	4.3	32	538	770	<1	7	178	2	24
L99800E 46687.5N	<5	3.4	48	285	590	<1	10	118	1	25
L99800E 46700N	<5	5.9	26	641	670	<1	6	98	1	33
L99800E 46712.5N	<5	5.3	41	427	740	<1	9	120	1	35
L99800E 46725N	<5	3.1	31	279	570	<1	7	145	<1	28
L99800E 46737.5N	5	6.8	100	200	480	<1	25	134	2	40
L99800E 46750N	<5	1.2	44	406	750	<1	10	155	1	21
L99800E 46762.5N	<5	4.8	126	348	610	<1	29	166	2	46
L99800E 46775N	<5	8.0	35	533	640	<1	8	110	4	39
L99800E 46787.5N	<5	5.3	47	340	300	<1	11	61	4	33
L99800E 46800N	<5	4.4	451	1020	240	<1	96	100	2	72
L99800E 46812.5N	<5	4.3	47	229	460	<1	11	112	3	28
L99800E 46825N	<5	0.8	38	216	350	<1	9	100	1	17
L99800E 46837.5N	<5	2.6	67	282	320	<1	14	101	1	27
L99800E 46850N	<5	1.2	25	339	570	<1	5	122	2	21
L99800E 46862.5N	<5	1.3	36	414	460	<1	8	101	4	27
*Dup L99800E 46400N	<5	2.3	32	356	670	<1	7	144	2	24
*Dup L99800E 675N	<5	3.2	32	504	660	<1	7	164	1	18
*Dup L99800E 825N	<5	1.1	48	175	500	<1	11	94	2	21
*Std MMISRM14	38	<0.5	9	314	100	50	1	289	<1	5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	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	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99800E 46400N	7	<1	90	<1	1	<10	11.9	648	<0.5	4
L99800E 46412.5N	8	<1	70	<1	2	<10	18.7	583	<0.5	5
L99800E 46425N	6	<1	90	<1	1	<10	7.8	583	<0.5	3
L99800E 46437.5N	16	<1	180	<1	2	<10	6.8	290	<0.5	8
L99800E 46475N	9	<1	150	<1	1	<10	10.1	1610	<0.5	3
L99800E 46487.5N	4	<1	150	<1	<1	<10	9.4	2080	<0.5	3
L99800E 46500N	12	<1	70	<1	2	<10	17.8	970	<0.5	5
L99800E 46512.5N	5	<1	120	<1	1	<10	6.7	1130	<0.5	3
L99800E 46625N	136	<1	280	<1	14	<10	39.6	160	<0.5	9
L99800E 46637.5N	17	<1	140	<1	2	<10	9.2	1730	<0.5	4
L99800E 46650N	8	<1	50	<1	2	<10	7.5	632	<0.5	4
L99800E 46662.5N	23	<1	150	<1	4	<10	23.8	1250	<0.5	8
L99800E 46675N	7	<1	110	<1	1	<10	13.7	1960	<0.5	5
L99800E 46687.5N	11	<1	70	<1	2	<10	18.8	1260	<0.5	5
L99800E 46700N	6	1	220	<1	1	<10	11.7	3290	<0.5	4
L99800E 46712.5N	10	<1	110	<1	2	<10	14.0	2560	<0.5	5
L99800E 46725N	7	<1	20	<1	2	<10	17.9	1530	<0.5	7
L99800E 46737.5N	19	1	60	<1	3	<10	28.8	3660	<0.5	6
L99800E 46750N	9	<1	50	<1	2	<10	9.1	504	<0.5	4
L99800E 46762.5N	27	1	60	<1	4	<10	27.7	2120	<0.5	8
L99800E 46775N	8	2	70	<1	1	<10	17.7	3470	<0.5	5
L99800E 46787.5N	10	<1	70	<1	2	<10	11.8	2090	<0.5	5
L99800E 46800N	89	1	230	<1	10	<10	27.9	1880	<0.5	6
L99800E 46812.5N	10	<1	120	<1	2	<10	31.8	2110	<0.5	7
L99800E 46825N	9	<1	50	<1	2	<10	8.4	323	<0.5	3
L99800E 46837.5N	14	<1	180	<1	2	<10	16.1	1430	<0.5	7
L99800E 46850N	6	<1	50	<1	1	<10	9.1	629	<0.5	4
L99800E 46862.5N	9	<1	50	<1	2	<10	11.2	716	<0.5	3
*Dup L99800E 46400N	8	<1	80	<1	1	<10	13.2	962	<0.5	4
*Dup L99800E 675N	7	<1	90	<1	1	<10	12.2	1460	<0.5	4
*Dup L99800E 825N	11	<1	40	<1	2	<10	10.8	443	<0.5	4
*Std MMISRM14	3	<1	500	<1	<1	<10	13.1	<3	<0.5	33
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L99800E 46400N	1	46	3	3920	23
L99800E 46412.5N	<1	39	3	4560	29
L99800E 46425N	<1	37	3	1190	17
L99800E 46437.5N	<1	85	5	110	11
L99800E 46475N	<1	43	3	970	21
L99800E 46487.5N	<1	20	2	300	25
L99800E 46500N	<1	61	4	200	33
L99800E 46512.5N	<1	37	3	260	15
L99800E 46625N	<1	385	21	80	56
L99800E 46637.5N	<1	67	5	210	25
L99800E 46650N	<1	51	5	240	20
L99800E 46662.5N	<1	105	7	400	41
L99800E 46675N	<1	44	4	1050	35
L99800E 46687.5N	<1	42	3	340	37
L99800E 46700N	<1	45	4	1140	31
L99800E 46712.5N	<1	53	4	870	36
L99800E 46725N	<1	51	4	280	35
L99800E 46737.5N	<1	60	4	160	62
L99800E 46750N	<1	53	4	840	19
L99800E 46762.5N	<1	102	8	590	58
L99800E 46775N	<1	47	4	1200	53
L99800E 46787.5N	<1	47	3	330	38
L99800E 46800N	<1	301	27	590	98
L99800E 46812.5N	<1	37	3	550	58
L99800E 46825N	<1	47	3	590	18
L99800E 46837.5N	<1	71	5	590	28
L99800E 46850N	<1	42	3	1180	18
L99800E 46862.5N	<1	52	4	1290	21
*Dup L99800E 46400N	<1	43	3	3550	27
*Dup L99800E 675N	<1	44	3	840	25
*Dup L99800E 825N	<1	52	4	460	23
*Std MMISRM14	<1	7	<1	340	11
*Blk BLANK	<1	<5	<1	<20	<5

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