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**GEOLOGICAL SURVEY OF CANADA
OPEN FILE 1909**

**TILL GEOCHEMISTRY OVER THE NORTHERN PART
OF THE MIRAMICHI ZONE AND VICINITY:**

A PROGRESS REPORT

**CONTRIBUTION TO CANADA-NEW BRUNSWICK
MINERAL DEVELOPMENT AGREEMENT 1984-89**

**M. Lamothe
Terrain Sciences Division
Geological Survey of Canada
601 Booth Street
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Natural Resources and Energy
New Brunswick

Ressources naturelles et Énergie
Nouveau-Brunswick



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Energy, Mines and
Resources Canada

Énergie, Mines et
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1988

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INTRODUCTION

As part of the Canada-New Brunswick Mineral Development Agreement (1984-89), a Quaternary geology and till geochemistry project was initiated in Northern and Central New Brunswick in June of 1985. The objectives of this project are:

1. to define strategy and methodology of sampling and geochemical analysis for mineral exploration in drift covered areas of Central and Northern New Brunswick;
2. to study the regional drift geochemistry, near-surface glacial stratigraphy and sedimentology, over Miramichi and Chaleur Bay-Tobique zones;
3. to study at a local scale, the stratigraphy and geochronology of the glacial deposits in order to relate the depositional sequence to the detailed geochemical mapping of till in areas of known mineralization;
4. Reconnaissance mapping of Northern New Brunswick with special emphasis on dispersal models and relationships of late glacial reversal of ice flow to other glacial events.

The synthesis of all the information collected during this study will be published at a later date under the form of a GSC Memoir or Paper. The raw geochemical data are released in the form of Open Files. These include the progress and final reports of all available geochemical data collected during the regional sampling programs. For the sake of readability, data are released in three regional reports. They cover the Northern, Central, and Southern part of the Miramichi Zone and its vicinity. The geochemical and lithological data collected under the drilling and trenching programs carried in 1986 through 1987 will be the subject of separate Open Files.

This Open File releases the geochemical results available for the Northern part of the Miramichi Zone, as of Spring 1988. It includes the data obtained from samples collected between June 1985 and October 1986, in an area defined by latitudes $47^{\circ}15'$ and $48^{\circ}05'$, and longitudes $65^{\circ}30'$ and $67^{\circ}00'$. Most of the sampling was carried over the California Lake, Charlo, Nepisiguit Falls, Bathurst, and Pointe-Verte NTS map sheets (21O8, 21O16, 21P5, 21P12, 21P13).

BEDROCK GEOLOGY

Three of the Pre-Carboniferous tectonostratigraphic zones defined by Ruitenberg et al. (1977) extend into the area:

- (1) the Miramichi Zone, consisting of Ordovician and perhaps older, metamorphosed and highly deformed volcanic, sedimentary and intrusive rocks (Tetagouche Group);
- (2) the Elmtree Zone, an uplifted block of deformed and metamorphic gabbro, amphibolite, peridotites, basalts, greywackes and slates of the Ordovician Elmtree and Fournier Groups;
- (3) the Tobique-Chaleur Zone, an assemblage of Ordovician, Silurian and Devonian sedimentary, volcanic and intrusive rocks. Numerous Devonian granitic stocks intrude the series. The pre-Carboniferous rocks are bounded by major faults.

In the Elmtree area, a basement complex of folded Ordovician-Silurian and Devonian sedimentary rocks is intruded by mafic and felsic rocks (e.g. the Antinouri Granite). Rocks of the Silurian Chaleur Group are in faulted contact with the southern edge of the Elmtree Zone at the Elmtree Break. Gold occurrences have been documented at Alcida, now under study by Lacana Mining Co. There, the gold is present in an altered Devonian gabbro and in sulphide veins cutting through the sedimentary rocks. Gold occurs as free grains (10 μm) in silicate gangue, attached to pyrrhotite or pyrite, or in fractures cutting these minerals (Watson, G., pers. comm., 1987). Lacana reported gold analyses of drill core up to 21 ppm Au.

The Upper Nepisiguit River drains the zone of occurrence one of the major sulphide bodies known as the Bathurst Mining Camp. The area is underlain by the rocks of the Tetagouche Group, divided into five lithologic units: two metasedimentary, two felsic metavolcanic in which are contained the ore bodies, and one mafic metavolcanic (Skinner, 1974). Gold occurrences are scarce in the area and related to gossan material, some of which was mined for gold extraction (e.g. Heath Steele Mine).

QUATERNARY GEOLOGY

The Quaternary geology of New Brunswick has been recently synthesized by Rampton et al. (1984) and updated in Pronk and Lamothe (1988).

A summary of the flow patterns and geomorphology of northern New Brunswick is shown in figure 1. The stratigraphic sequence seems to record a unique depositional event. However, sub-till non-glacial sediments have been recovered in boreholes drilled along the coastal area, close to Charlo. Their sedimentologic study is still under way, but, so far, only one till sheet, hence, one depositional event, has been observed in the area.

The erosional record is more complex. The oldest ice flow was southeastward, and it is only documented in a few localities. The most intense iceflow recorded is from west to east (ice flow 2, in Fig. 1).

A subsequent northeastward flow into Chaleur Bay is recorded by striae and till fabrics. A late stage northward flow has been reported by Pronk and Lamothe (1988) in the central part of the area (Tetagouche Lake-Upsalquitch Forks). In the coastal area, bedrock exposures record clearly a late southward ice movement (Gauthier, 1982, 1983; Rampton et al., 1984), as ice flowing out of Chaleur Bay impinged on the coast. The implication of this late ice flow for the Quaternary history of the area is not clear at the moment but no significant glacial transport seems to be associated with it.

In the area, till is generally thin, less than 2 m thick on crests and plateaus, but tends to be thicker in the valleys. Thicknesses of 10m or more have been encountered in boreholes, east of the Brunswick #6 open pit mine. From pebble lithology studies (Pronk and Lamothe, 1988; Gagnon, 1987), it is concluded that till is mostly locally derived and that the bulk of the material is transported in an east to east-northeast direction over distances ranging between a few hundred meters to several kilometers.

However, these conclusions should not be applied to the southern part of the area (California Lake and Nepisiguit Falls), since the analysis of pebble lithologies is incomplete. There, the erosional northeastward phase might have controlled more strongly the transport of the glacial debris.

Marine waters transgressed into Chaleur Bay from east (13.2 ka) to west (12.2 ka)

simultaneously with ice retreat (Rampton et al., 1984). During this retreat, the "Restigouche Kame" and "Elmtree Interlobate" morainic systems were formed as a series of shoreline parallel, nested, pitted deltas, intimately associated with fossiliferous offshore marine sediments (Bobrowsky et al., 1987). The glacial retreat involved deltaic accretion and marine overlap up to 114 m (asl). This explains the low sampling density close to the coast.

TILL GEOCHEMISTRY

This project covers the entire Miramichi Zone. Sampling was initially carried out along roadside and natural exposures. In areas of limited access, traverses were undertaken to increase the sample density to 1 sample per 10 km². Geochemical analysis of approximately half of the collected samples were available at the time of writing. Sample locations are shown on Plate I with UTM coordinates listed in Table I.

Two grain-size fractions were analyzed for each till sample collected during the regional survey.

- (1) The clay-sized fraction (<2 µm) was analyzed for Pb, Zn, Cu, Ni, Cd, As, Fe, Mn, Cr, Mo, F, Sn, W, Hg, and U. The logic for analyzing this fraction has been discussed by Shilts (1984) who showed that most of the base-metals will be concentrated in the fine fraction of the till (see also, Lamothe, 1986).
- (2) The clay plus silt fraction (63 µm) was analyzed by neutron activation for 33 elements. The most significant are As, Au, Sb, U, and Th. Detection limits, methods of analysis, and reproducibility data are described in Table II.

The geochemical data are listed in Tables III to VI. The geochemical distribution of zinc (Zn), arsenic (As), antimony (Sb), and gold (Au) in till are shown on Plates II, III, and IV where the data are contoured by the APPMAP program of the Geological Survey of Canada. Plates V and VI show gold abundance in the <63 µm fraction of till in the Pointe-Verte-Bathurst and Heath Steele area. Location of trenches T3 to T7 as well as shallow drill-holes D1 to D27 are also indicated on these plates. The geochemical results for these samples are listed in Tables VI and VII.

A complete discussion about the interpretation of the geochemistry will be published when all geochemical results become available. However, because of the recent interest in gold exploration in New Brunswick, the following is a brief discussion of the geochemistry of Ag in the till.

Three large till samples were collected over the Alcida showing at the discovery zone. Partitioning results are displayed in Figure 2 and indicate that medium to coarse silt fraction of till is the principal gold carrier. (The reader is referred to Gagnon 1987 for an in-depth discussion of these results). While high values are found in the clay fraction (up to 2340 ppb Au; not shown here) it seems that the gold is mostly present in 8 to 63 µm average grains. The ore samples after being crushed showed the same geochemical trend (Gagnon, 1987; Lamothe and Gagnon, 1987). Investigation of the sand-sized heavy mineral fraction failed to yield visible gold grains, which seems to indicate that:

- (1) most native gold grains will be found in the fine silt fraction (< 10 µm), as observed in the bedrock and that,

- (2) the gold in coarser silt grains is probably tied to some sulphide mineral. A similar trend is found for Sb and As.

There is a strong correlation between Au and Sb at the Alcida deposit however this correlation is not apparent in the regional survey results. It is believed this might be partly due to the lack of reproducibility for Au in the observed range (< 25 ppb). The nugget effect (or particle-sparsity effect) is suspected to cause the poor reproducibility in the gold analyses that are available so far (Fig. 3). It should be borne in mind that, given the gold level in the samples and the weight of the split used for the analysis (10g), the probability for that split, to contain one particle of gold is very low. It is probable that insufficient particles per sample from the slip are available to obtain reliable analytical results this is principally a function of the small size of the samples (1kg) collected during the regional survey.

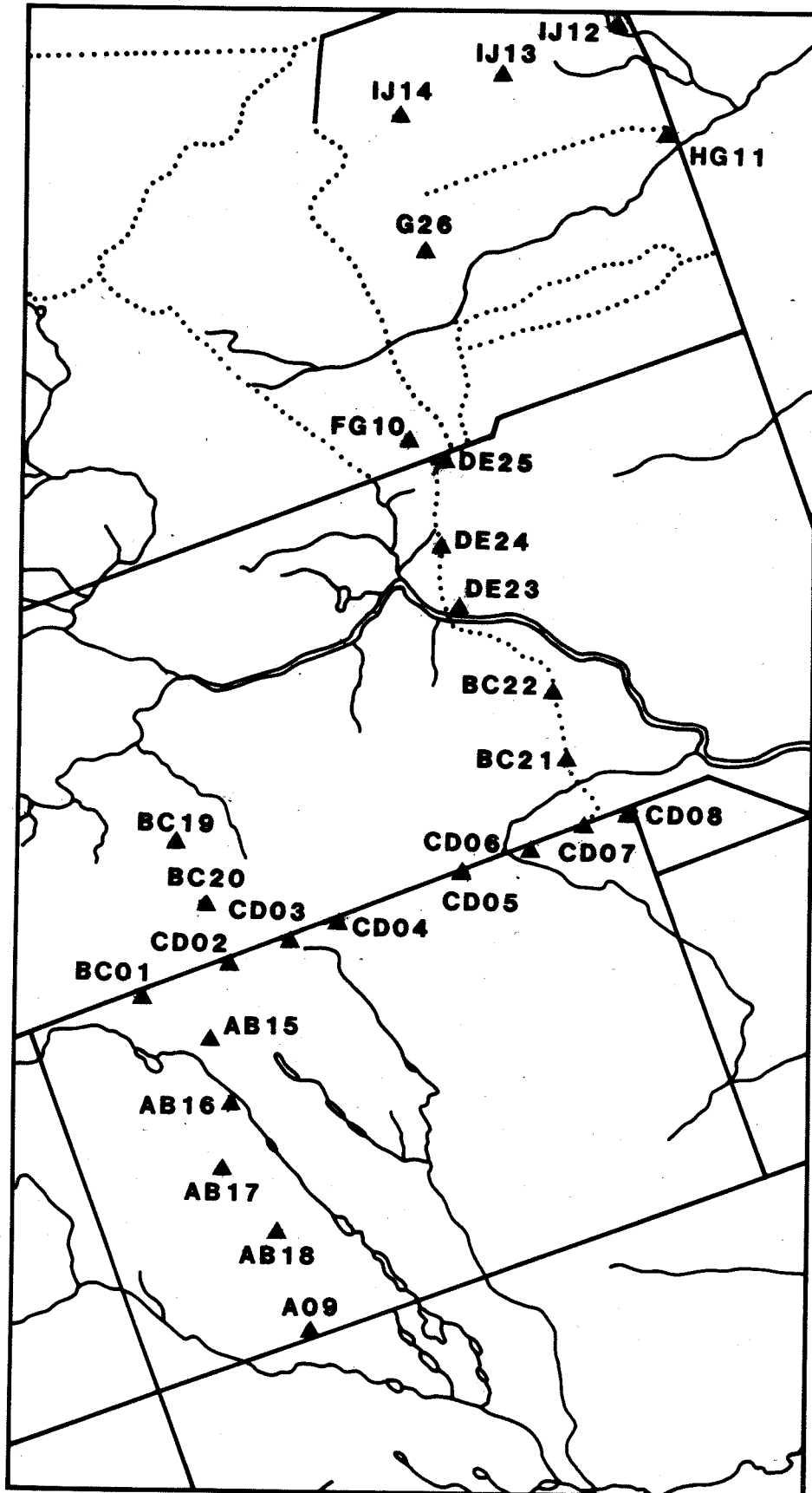
To illustrate the low reliability of the gold results, one needs only to know that the highest Au value measured in this area was 81 ppb Au (Sample 86LFA 5573) on a duplicate sample which failed to yield any gold originally. For these reasons, the gold data are not contoured and caution must be exercised in the interpretation of this data.

Plate IV shows the regional distribution of Sb in till, expressed in percentiles. The triangles indicate the location of the samples. Solid triangles identify samples which returned detectable gold. The contoured Sb data displays elevated values over the massive sulphides particularly at Heath Steele. The contour trends closely follow the Elmtree Break, one of the major exploration targets in Northern New Brunswick. This suggests that the correlation between Sb and Au observed over the mineralized site at Alcida might have a regional significance. Therefore, Sb abundance in till could be used as a pathfinder for gold in Northern New Brunswick. Since the reproducibility for this element is fully satisfactory, it could be concluded that geochemical surveys should emphasize the use of gold pathfinders to define primary areas of economic interest. After such areas have been delineated, detailed surveys could focus on gold itself, by collecting much larger samples in order to reduce the particle-sparsity effect as suggested by Harris (1982).

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SHALLOW DRILL-HOLES



SEE TABLE VI FOR GEOCHEMICAL RESULTS

TABLE I
Northern New Brunswick Sample Locations

Sample	Easting	Northing	Sample	Easting	Northing	Sample	Easting	Northing
85LFA017601	19667900	5286000	85LFA028501	19650600	5265800	85LFA034201	19700000	5282250
85LFA017701	19668850	5290250	85LFA028601	19654250	5266550	85LFA034601	19708650	5282050
85LFA017801	19672200	5290600	85LFA028701	19657300	5264600	85LFA034801	19712100	5282450
85LFA017901	19673900	5288000	85LFA028801	19660200	5261700	85LFA034901	19716500	5281600
85LFA018001	19675150	5284800	85LFA028901	19658500	5256600	85LFA035001	19711900	5278600
85LFA018101	19679500	5274850	85LFA030101	20293400	5262600	85LFA035101	19708900	5276300
85LFA018201	19678600	5271100	85LFA030301	20278700	5252750	85LFA035201	19706250	5274900
85LFA018301	19680100	5265050	85LFA030501	20273800	5262500	85LFA035301	19723900	5238600
85LFA018401	19676850	5264200	85LFA030601	20273800	5262500	85LFA037401	19722250	5242150
85LFA018501	19672900	5263400	85LFA030701	20280550	5260400	85LFA037501	19716850	5242850
85LFA018601	19669100	5263900	85LFA030801	20310300	5258600	85LFA037601	19719050	5241250
85LFA018701	19665600	5264050	85LFA030901	20306750	5258050	85LFA037701	19715500	5240700
85LFA018801	19672500	5267500	85LFA030801	20306800	5258100	85LFA037801	19711750	5240950
85LFA019001	19672800	5272500	85LFA030901	20302400	5256300	85LFA038001	19718750	5252900
85LFA019301	19669400	5269800	85LFA031001	20298600	5256900	85LFA038201	19689200	5251950
85LFA019501	19668150	5273300	85LFA031101	20285600	5247350	85LFA038301	19686700	5251400
85LFA019601	19672100	5276000	85LFA031301	20297450	5253700	85LFA038601	19723300	5250800
85LFA019701	19674150	5279650	85LFA031401	20294600	5259800	85LFA038701	20274250	5252200
85LFA024001	20288350	5284700	85LFA031501	19684500	5266500	85LFA039301	19722700	5248100
85LFA024201	20283550	5282700	85LFA031601	19687400	5267500	85LFA039601	20287600	5256950
85LFA024301	20280400	5281500	85LFA031701	19693300	5270500	85LFA039701	20285200	5262000
85LFA024501	20276350	5281400	85LFA031801	19701300	5273450	85LFA039801	20290300	5259500
85LFA024601	20283400	5286350	85LFA031901	19699700	5277100	85LFA039901	20276800	5257000
85LFA024701	20277050	5287050	85LFA032001	19703600	5280600	85LFA044301	19706700	5259700
85LFA024901	20275300	5289600	85LFA032101	19680250	5267900	85LFA044801	19711000	5262900
85LFA025001	20281300	5283950	85LFA032401	19683800	5269200	85LFA044901	19708850	5262850
85LFA025101	20281950	5289100	85LFA032601	19688950	5272050	85LFA045101	19706700	5265100
85LFA025201	20286750	5290750	85LFA032901	19693400	5275600	85LFA045201	19709800	5264400
85LFA025301	20287850	5287900	85LFA033001	19692900	5278675	85LFA045301	19707000	5272800
85LFA025401	20293650	5296700	85LFA033101	19692750	5281650	85LFA045501	19710000	5272350
85LFA025501	20291150	5293800	85LFA033201	19690800	5287500	85LFA045701	19712900	5272400
85LFA025601	20287700	5294400	85LFA033201	19690875	5287200	85LFA046201	19717300	5274300
85LFA025701	20283950	5292950	85LFA033301	19689000	5290200	85LFA046401	19721850	5273600
85LFA026001	20280250	5294050	85LFA033401	19691500	5291100	85LFA046701	20278100	5273650
85LFA026401	20275750	5299050	85LFA033501	19699500	5288850	85LFA046901	20282600	5273750
85LFA026501	20276500	5297050	85LFA033601	19697750	5287400	85LFA047001	20285700	5275100
85LFA027101	20286700	5297400	85LFA033901	19698000	5283700	85LFA047201	20289150	5277300
85LFA027201	20291350	5299050	85LFA034001	19697300	5281200	85LFA047401	20293450	5275500

Sample	Easting	Northing
86LFA506101	20276300	5291100
86LFA506201	20278900	5291175
86LFA506301	20279150	5289600
86LFA506401	20276750	5287925
86LFA506501	20275500	5286750
86LFA506601	20276700	5286600
86LFA506701	20277700	5285150
86LFA506801	20284150	5283900
86LFA506901	20283900	5283000
86LFA507001	20276300	5280300
86LFA507201	20275350	5280600
86LFA507301	20278450	5281800
86LFA507501	20279400	5281500
86LFA507601	20281350	5281950
86LFA507701	20282850	5282550
86LFA508001	20284600	5286750
86LFA508101	20285700	5287200
86LFA508501	20275050	5274100
86LFA508701	20275500	5272300
86LFA508801	20277600	5273200
86LFA509101	20280150	5282600
86LFA509201	20285075	5280900
86LFA509301	20283250	5281000
86LFA509401	20281725	5280375
86LFA509801	20282550	5304950
86LFA509901	20281490	5305100
86LFA510001	20276025	5297550
86LFA510101	20276550	5296975
86LFA510201	20276950	5295950
86LFA510401	20277175	5295100
86LFA510601	20278125	5294600
86LFA510701	20278975	5294200
86LFA510801	20285300	5294350
86LFA510901	20284700	5295350
86LFA511001	20290000	5297750
86LFA511101	20291500	5294050
86LFA511201	20290200	5293700
86LFA511301	20289200	5294700
86LFA511401	20288400	5293050
86LFA511501	20290700	5292900
86LFA511601	20290250	5295750

Sample	Easting	Northing
86LFA501401	20280850	5302200
86LFA501501	20281600	5301750
86LFA501701	20277450	5297800
86LFA501801	20278925	5297700
86LFA501901	20278825	5296950
86LFA502001	20278400	5296550
86LFA502201	20285700	5296300
86LFA502301	20287200	5296550
86LFA502401	20287550	5296000
86LFA502501	20288550	5296400
86LFA502601	20286600	5298350
86LFA502701	20287025	5299150
86LFA502801	20288250	5298100
86LFA502901	20287050	5294200
86LFA503001	20280350	5296025
86LFA503201	20279600	5295350
86LFA503301	20279200	5294850
86LFA503501	20281025	5293350
86LFA503601	20281850	5292400
86LFA503701	20284900	5293250
86LFA503801	20286050	5293750
86LFA503901	20280850	5294450
86LFA504001	20284300	5298100
86LFA504101	20282650	5297050
86LFA504201	20283450	5296950
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86LFA504501	20289250	5290550
86LFA504601	20289750	5289200
86LFA504701	20289025	5288450
86LFA504801	20280250	5285450
86LFA504901	20278800	5284900
86LFA505101	20289675	5290050
86LFA505201	20288350	5290950
86LFA505301	20287250	5290400
86LFA505401	20288000	5288350
86LFA505501	20285650	5290300
86LFA505601	20283450	5289550
86LFA505701	20281850	5289100
86LFA505901	20282700	5289400
86LFA506001	20281100	5288800

Sample	Easting	Northing
85LFA047601	20288500	5271450
85LFA047701	20285750	5270950
85LFA047801	20282950	5270400
85LFA048301	20276600	5267350
85LFA048401	19724100	5266850
85LFA050001	20299300	5270750
85LFA050101	20284500	5256600
85LFA050301	20297600	5267900
85LFA050401	19718850	5302450
85LFA050501	19716450	5296625
85LFA050601	19715400	5295400
85LFA050701	19712450	5295450
85LFA050801	19709200	5295500
85LFA050901	19706600	5297800
85LFA051001	19708050	5301200
85LFA051101	19713100	5304800
85LFA051301	19697250	5292100
85LFA051401	19701200	5293400
85LFA051501	19699600	5294900
85LFA051801	19697700	5298600
85LFA055001	19683050	5303200
85LFA055101	19683000	5299500
85LFA055501	19691800	5300800
85LFA055601	19693325	5297750
85LFA055701	19694950	5294550
85LFA055801	19691400	5291200
85LFA055901	19685900	5293950
85LFA056001	19684450	5297100
85LFA056101	19673400	5291700
85LFA056201	19671750	5294200
86LFA500001	20283100	5302400
86LFA500201	20277300	5304500
86LFA500401	20276975	5308025
86LFA500501	20284450	5302550
86LFA500701	20283850	5300050
86LFA500801	20285000	5300000
86LFA501101	20276750	5303650
86LFA501101	20276750	5303750
86LFA501101	20276900	5303750
86LFA501201	20278975	5303150
86LFA501301	20281400	5303000

Sample	Eastings	Northing
86LFA511701	20286700	5308125
86LFA511801	20286650	5305800
86LFA511901	20285950	5304550
86LFA512101	20289700	5300700
86LFA512201	20290350	5299300
86LFA512301	20291150	5297600
86LFA512401	20291750	5296050
86LFA512501	20292500	5292800
86LFA512601	20288200	5303550
86LFA512701	20287650	5300750
86LFA512801	20290250	5285500
86LFA512901	20286450	5284150
86LFA513001	20285175	5283750
86LFA513101	20284050	5282950
86LFA513201	20282300	5282400
86LFA513301	20293450	5294500
86LFA513401	20290800	5284150
86LFA513501	20292400	5284200
86LFA513601	20292950	5282600
86LFA513701	20294075	5284000
86LFA513801	20296550	5284700
86LFA513901	20285300	5282450
86LFA514001	20287025	5282975
86LFA514101	20286900	5281550
86LFA514201	20288950	5282300
86LFA514301	20291400	5282900
86LFA514401	20291800	5286600
86LFA514501	20293700	5284625
86LFA514601	20289550	5296025
86LFA514701	20287800	5294950
86LFA514801	20288200	5293700
86LFA514901	20287450	5279825
86LFA515001	20285325	5280750
86LFA515101	20289650	5281300
86LFA515601	19719750	5309450
86LFA515701	19718700	5309800
86LFA515801	19702300	5314800
86LFA515901	19698750	5311800
86LFA516001	19699600	5313700
86LFA516101	19698500	5313800
86LFA516201	19702600	5313600

Sample	Eastings	Northing
86LFA516301	19703000	5314450
86LFA516401	19702800	5315500
86LFA516501	19701800	5315750
86LFA516601	19699450	5314600
86LFA516701	19687200	5315450
86LFA516801	19690200	5317100
86LFA516901	19689300	5318650
86LFA517001	19695550	5304400
86LFA517101	19696300	5305700
86LFA517201	19698150	5308800
86LFA517301	19698900	5310350
86LFA517401	19699900	5312200
86LFA517501	19701150	5315100
86LFA517601	19701000	5314250
86LFA517701	19706500	5315980
86LFA517801	20292800	5261225
86LFA517901	20292100	5260575
86LFA518001	20291300	5259750
86LFA518101	20289100	5258950
86LFA518201	20286050	5257250
86LFA518301	20287200	5257800
86LFA518401	20284990	5258500
86LFA518501	20284020	5258600
86LFA518601	20288000	5258150
86LFA518701	20293675	5260650
86LFA518801	20295000	5258925
86LFA518901	20295550	5258025
86LFA519001	20283300	5259650
86LFA519101	20282800	5260600
86LFA519201	20284200	5261300
86LFA519301	20285650	5262950
86LFA519401	20286550	5263650
86LFA519501	20287300	5256950
86LFA519601	20282050	5253975
86LFA519701	20281400	5253600
86LFA519801	20280000	5253100
86LFA519901	20277200	5252750
86LFA520001	19711950	5261250
86LFA520101	19716100	5260225
86LFA520201	19717200	5261150
86LFA520301	19717550	5261100

Sample	Eastings	Northing
86LFA520401	19719150	5261350
86LFA520501	19720600	5261550
86LFA520601	19722075	5262425
86LFA520701	19723500	5264150
86LFA520801	19724575	5264200
86LFA521001	20275350	5262100
86LFA521101	20276700	5261800
86LFA521201	20278150	5261900
86LFA521301	20279200	5262650
86LFA521401	20279200	5260900
86LFA521501	20280400	5254000
86LFA521601	20279750	5254700
86LFA521701	20279200	5255450
86LFA521801	20278200	5256000
86LFA521901	20277400	5256350
86LFA522001	20276050	5257600
86LFA522101	20275600	5258400
86LFA522201	20274650	5259000
86LFA522301	20275450	5261200
86LFA522401	20275400	5260350
86LFA522501	20274900	5259600
86LFA522601	19726050	5259050
86LFA522701	19724800	5258450
86LFA522801	19722550	5258750
86LFA522901	19723050	5259700
86LFA523001	19722550	5260600
86LFA523101	19721150	5261400
86LFA523201	19723950	5256400
86LFA523301	19723250	5257150
86LFA523401	19720650	5256450
86LFA523501	20274390	5256250
86LFA523601	20274350	5255250
86LFA523701	20274600	5254350
86LFA523801	20291050	5293800
86LFA523901	20289500	5293300
86LFA524001	20288750	5292500
86LFA524101	20288150	5292400
86LFA524201	20288250	5295600
86LFA524301	20286650	5294500
86LFA524401	20285800	5294500
86LFA524501	20286050	5297250

Sample	Easting	Northing
86LFA52460	20285350	5296950
86LFA52470	20288350	5296800
86LFA52480	20287650	5296600
86LFA52490	20285925	5294275
86LFA52500	20291700	5296325
86LFA52510	20292100	5296250
86LFA52520	20291350	5297175
86LFA52530	20286850	5297525
86LFA52550	20288700	5297975
86LFA52560	20286575	5298350
86LFA52570	20286275	5298975
86LFA52580	20285700	5298100
86LFA52590	20285650	5294800
86LFA52600	20285350	5294275
86LFA52610	20285150	5294800
86LFA52620	20285100	5294950
86LFA52630	20288700	5296900
86LFA52640	20288500	5296875
86LFA52650	20288225	5296725
86LFA52660	20287850	5296650
86LFA52670	20287830	5296650
86LFA52680	20287500	5296525
86LFA52690	20286825	5297450
86LFA52700	20286350	5297300
86LFA52710	20287000	5297075
86LFA52720	20286600	5296550
86LFA52730	20286125	5296425
86LFA52740	20286100	5296775
86LFA52750	20276175	5252725
86LFA52760	20275100	5252450
86LFA52770	20275750	5251900
86LFA52780	20274700	5251500
86LFA52790	20273925	5250900
86LFA52800	20281225	5255225
86LFA52810	20279600	5258200
86LFA52820	20277300	5258400
86LFA52830	20279700	5259750
86LFA52840	20277250	5260350
86LFA52850	20274375	5257450
86LFA52860	20287100	5261350
86LFA52870	20288050	5260100

Sample	Easting	Northing
86LFA52880	20292100	5256050
86LFA52890	20293050	5257250
86LFA52900	19724800	5255000
86LFA52910	19724100	5252450
86LFA52920	19725650	5253800
86LFA52930	19722300	5254850
86LFA52940	19720600	5254150
86LFA52950	19719025	5254400
86LFA52960	19716650	5253700
86LFA52970	19721900	5253700
86LFA52980	20287750	5288850
86LFA52990	20287475	5289800
86LFA53000	20274375	5267350
86LFA53050	20281250	5269100
86LFA53080	20281800	5267525
86LFA53100	20284575	5267300
86LFA53110	20282500	5269700
86LFA53120	20280590	5305400
86LFA53130	20279890	5305500
86LFA53140	20278900	5306400
86LFA53150	20278100	5306800
86LFA53160	20277200	5307600
86LFA53170	20276000	5308000
86LFA53180	19723650	5309000
86LFA53200	19720950	5309300
86LFA53210	19719800	5309200
86LFA53220	20288700	5266225
86LFA53230	20290000	5268900
86LFA53240	20287005	5266800
86LFA53250	20290010	5269800
86LFA53260	20291000	5271600
86LFA53270	20290005	5272300
86LFA53280	20282300	5271150
86LFA53290	20280300	5273400
86LFA53300	20283250	5275250
86LFA53330	20281850	5275250
86LFA53340	20281300	5272200
86LFA53350	20287600	5274600
86LFA53360	20286975	5274800
86LFA53370	20292700	5278500
86LFA53380	20291000	5276200

Sample	Easting	Northing
86LFA53390	20290990	5277200
86LFA53490	19724550	5300200
86LFA53500	19724400	5301050
86LFA53510	19723700	5302750
86LFA53520	19723500	5302700
86LFA53530	19723800	5303650
86LFA53540	19718500	5301450
86LFA53550	19718800	5302300
86LFA53560	19719300	5305300
86LFA53570	19719550	5306250
86LFA53580	19720125	5307900
86LFA53590	19721025	5309350
86LFA53600	19719800	5309075
86LFA53610	19718000	5309425
86LFA53620	19717800	5308025
86LFA53630	19717350	5306600
86LFA53640	19717550	5305050
86LFA53650	19715400	5305900
86LFA53660	19709900	5304350
86LFA53680	19709750	5302850
86LFA53690	19711850	5303550
86LFA53700	19711600	5296750
86LFA53710	19711600	5296800
86LFA53720	19706600	5307450
86LFA53730	19705300	5306150
86LFA53740	19715750	5303550
86LFA53750	19713950	5302450
86LFA53760	19709500	5311850
86LFA53770	19707750	5307750
86LFA53780	19703650	5305200
86LFA53790	19702550	5304800
86LFA53800	19701850	5303700
86LFA53810	19702250	5301400
86LFA53820	19701250	5299275
86LFA53830	19699800	5299375
86LFA53840	19697900	5299125
86LFA53850	19696200	5300175
86LFA53860	19694150	5300125
86LFA53870	19691900	5300550
86LFA53880	19690600	5302300
86LFA53890	19691125	5305050

Sample	Eastings	Northing
86LFA539001	19691800	5307850
86LFA539101	19709275	5316925
86LFA539201	19693900	5315850
86LFA539301	19692500	5315300
86LFA539401	19691250	5314800
86LFA539501	19689350	5313900
86LFA539601	19688250	5313150
86LFA539701	19687625	5312175
86LFA539801	19689200	5312500
86LFA539901	19688650	5315000
86LFA540001	19693200	5306700
86LFA540101	19695050	5306700
86LFA540201	19696150	5308500
86LFA540301	19687350	5304700
86LFA540401	19688100	5306625
86LFA540501	19690300	5307875
86LFA540601	19690800	5308800
86LFA540701	19691600	5310600
86LFA540801	19692375	5311850
86LFA540901	19692850	5310300
86LFA541001	19694450	5311150
86LFA541101	19693750	5313750
86LFA541201	19698750	5291200
86LFA541301	19697650	5291900
86LFA541401	19696475	5293250
86LFA541501	19698250	5294450
86LFA541601	19694250	5295350
86LFA541701	19692750	5295600
86LFA541801	19690150	5294750
86LFA541901	19693475	5302950
86LFA542001	19693550	5300550
86LFA542101	19695100	5301075
86LFA542201	19694250	5306500
86LFA542301	19690175	5304800
86LFA542401	19695100	5299050
86LFA542501	19691175	5299850
86LFA542601	19692750	5301025
86LFA542701	19694600	5301650
86LFA542801	19695100	5299050
86LFA542901	19695475	5307400
86LFA543001	19696550	5309125

Sample	Eastings	Northing
86LFA543101	19713800	5311150
86LFA543201	19717000	5310150
86LFA543301	19715950	5311400
86LFA543401	20285125	5290225
86LFA543501	20282530	5290150
86LFA543601	20283375	5290625
86LFA543701	20281250	5285200
86LFA543801	20280700	5289675
86LFA543901	20278700	5288850
86LFA544001	20287300	5304050
86LFA544101	20287450	5303950
86LFA544201	20289500	5301100
86LFA544301	20290000	5300100
86LFA544401	20290900	5298250
86LFA544501	20290600	5296400
86LFA544601	20290700	5294750
86LFA544701	20287750	5292200
86LFA544801	20285650	5293050
86LFA544901	20292000	5291375
86LFA546001	19713400	5246250
86LFA546101	19714750	5246450
86LFA546201	19715950	5247200
86LFA546301	19717200	5247550
86LFA546401	19718000	5248200
86LFA546501	19716850	5249550
86LFA546601	19717000	5249500
86LFA546701	19715150	5249400
86LFA546801	19717250	5251200
86LFA546901	19718450	5251800
86LFA547001	19720050	5250600
86LFA547101	19721900	5249000
86LFA547201	19714900	5238900
86LFA547301	19713750	5238400
86LFA547401	19711800	5238450
86LFA547501	19710625	5239125
86LFA547601	19708950	5239350
86LFA547701	19707650	5239600
86LFA550401	19725000	5249600
86LFA551301	19723625	5249100
86LFA551401	19722050	5243850
86LFA551501	19722650	5245750

Sample	Eastings	Northing
86LFA551601	19724500	5242000
86LFA551701	19723100	5243250
86LFA551801	19725250	5247425
86LFA551901	19725600	5244400
86LFA552001	20274250	5241550
86LFA552101	20273925	5243050
86LFA552201	20276650	5243500
86LFA552301	20278050	5245250
86LFA552401	20277700	5247250
86LFA552501	20279500	5243200
86LFA552601	20281625	5242050
86LFA552701	20281325	5246000
86LFA552801	20283550	5245000
86LFA552901	20285200	5245400
86LFA55301	20282550	5247100
86LFA553101	20279875	5247950
86LFA553201	20278800	5249975
86LFA553301	20282050	5248625
86LFA553401	20289375	5247475
86LFA553501	20288950	5240250
86LFA553601	19722200	5239200
86LFA553701	19722650	5243350
86LFA553801	19722100	5243300
86LFA553901	19720850	5243600
86LFA554001	19719250	5243150
86LFA554101	19717950	5241995
86LFA554201	19718100	5240450
86LFA554301	19717400	5240300
86LFA554401	19712500	5250100
86LFA554501	19722825	5251500
86LFA554601	19725300	5252300
86LFA554701	19720050	5253450
86LFA554801	19715850	5253900
86LFA554901	19714625	5257800
86LFA555001	19711600	5257800
86LFA555101	19710075	5258300
86LFA555201	19708250	5258750
86LFA555301	19713900	5259450
86LFA555401	19714950	5243625
86LFA555501	19721550	5243625
86LFA556101	19720925	5243625

Sample	Eastng	Northing
86LFA561801	19720225	5243750
86LFA561901	19719550	5243625
86LFA562001	19719050	5243600
86LFA562101	19718525	5243425
86LFA562201	19718100	5243200
86LFA567401	19723250	5245675
86LFA567501	19724825	5245010
86LFA567601	19724825	5247450
86LFA567701	19724475	5247200
86LFA567801	19723960	5247150
86LFA567901	19723300	5246775
87LFA160701	19663500	5271800

TABLE II A

<63 µm Fraction

Element	Method	Detection Limit
As Arsenic	Neutron Activation	0.5 ppm
Au Gold	Neutron Activation	2.0 ppb
Co Cobalt	Neutron Activation	5.0 ppm
Cr Chromium	Neutron Activation	20.0 ppm
Fe Iron	Neutron Activation	0.2 pct
Hg Mercury	Atomic Absorption	5.0 ppb
Mo Molybdenum	Neutron Activation	1.0 ppm
Ni Nickel	Neutron Activation	20.0 ppm
Sb Antimony	Neutron Activation	0.1 ppm
Th Thorium	Neutron Activation	0.2 ppm
U Uranium	Neutron Activation	0.2 ppm
W Tungsten	Neutron Activation	1.0 ppm
Zn Zinc	Neutron Activation	100.0 ppm

<2 µm Fraction

As Arsenic	Colourimetric	2.0 ppm
Co Cobalt	Atomic Absorption	1.0 ppm
Cr Chromium	Atomic Absorption	2.0 ppm
Cu Copper	Atomic Absorption	1.0 ppm
F Fluorine	Specific Ion	20.0 ppm
Fe Iron	Atomic Absorption	0.1 pct
Hg Mercury	Atomic Absorption	5.0 ppb
Mn Manganese	Atomic Absorption	1.0 ppm
Mo Molybdenum	Atomic Absorption	1.0 ppm
Ni Nickel	Atomic Absorption	2.0 ppm
Pb Lead	Atomic Absorption	2.0 ppm
Sn Tin	X-Ray Fluorescence	1.0 ppm
U Uranium	Fluorometric	0.1 ppm
W Tungsten	Colourimetric	2.0 ppm
Zn Zinc	Atomic Absorption	1.0 ppm

NOTES TABLES III TO VI

- 1)-0= not analyzed
- 2) O= OBSERVATION
- 3) values lower than detection limit indicated as half the detection limit
e.g.= Au=1ppb
means Au<2ppb

1,2= Bondar-Clegg
10,11,12= Chemex

TABLE II B

New Brunswick North

<2 μ m First Analysis versus Second

Sample	As 1st	As 2nd	Hg 1st	Hg 2nd	Sn 1st	Sn 2nd	Zn 1st	Zn 2nd
86LFA500401	20.0	-0-	170.0	-0-	5.0	-0-	134.0	129.0
86LFA501101	17.0	15.0	205.0	-0-	3.0	1.0	100.0	115.0
86LFA502301	126.0	124.0	80.0	-0-	2.0	2.0	209.0	220.0
86LFA502301	126.0	-0-	80.0	-0-	2.0	-0-	209.0	210.0
86LFA502401	107.0	70.0	70.0	-0-	7.0	2.0	243.0	350.0
86LFA502501	117.0	70.0	100.0	-0-	8.0	1.0	173.0	188.0
86LFA502601	32.0	23.0	85.0	-0-	5.0	1.0	159.0	175.0
86LFA502901	27.0	20.0	25.0	-0-	3.0	1.0	159.0	185.0
86LFA503001	28.0	28.0	125.0	-0-	5.0	2.0	158.0	189.0
86LFA503001	28.0	-0-	125.0	-0-	5.0	-0-	158.0	191.0
86LFA503201	12.0	15.0	125.0	-0-	-0-	3.0	112.0	173.0
86LFA503201	12.0	-0-	125.0	-0-	-0-	-0-	112.0	141.0
86LFA503301	15.0	19.0	80.0	-0-	4.0	7.0	105.0	140.0
86LFA503301	15.0	-0-	80.0	-0-	4.0	-0-	105.0	128.0
86LFA503501	15.0	16.0	40.0	-0-	9.0	1.0	106.0	130.0
86LFA503601	20.0	25.0	135.0	-0-	-0-	-0-	191.0	231.0
86LFA503601	20.0	-0-	135.0	-0-	-0-	-0-	191.0	232.0
86LFA503601	20.0	-0-	135.0	-0-	-0-	-0-	191.0	230.0
86LFA503701	70.0	51.0	95.0	-0-	6.0	1.0	167.0	185.0
86LFA503801	34.0	25.0	65.0	-0-	8.0	1.0	155.0	161.0
86LFA504001	41.0	-0-	115.0	-0-	6.0	-0-	175.0	206.0
86LFA504101	24.0	23.0	100.0	-0-	6.0	2.0	207.0	231.0
86LFA504201	21.0	11.0	75.0	-0-	6.0	1.0	159.0	164.0
86LFA504401	99.0	70.0	65.0	-0-	1.0	1.0	119.0	126.0
86LFA504601	57.0	56.0	90.0	-0-	2.0	6.0	144.0	168.0
86LFA504601	57.0	-0-	90.0	-0-	2.0	-0-	144.0	154.0
86LFA504701	20.0	18.0	110.0	-0-	7.0	8.0	112.0	157.0
86LFA504701	20.0	-0-	110.0	-0-	7.0	-0-	112.0	119.0
86LFA504801	18.0	19.0	80.0	-0-	7.0	2.0	101.0	165.0
86LFA504801	18.0	-0-	80.0	-0-	7.0	-0-	101.0	126.0
86LFA504901	40.0	-0-	120.0	-0-	2.0	-0-	231.0	224.0
86LFA505101	93.0	-0-	125.0	-0-	10.0	-0-	2105.0	2180.0
86LFA505201	24.0	26.0	80.0	-0-	7.0	5.0	107.0	132.0
86LFA505201	24.0	-0-	80.0	-0-	7.0	-0-	107.0	120.0
86LFA505301	41.0	34.0	55.0	-0-	10.0	-0-	103.0	145.0
86LFA505301	41.0	-0-	55.0	-0-	10.0	-0-	103.0	123.0
86LFA505401	50.0	49.0	55.0	-0-	5.0	6.0	97.0	144.0
86LFA505401	50.0	-0-	55.0	-0-	5.0	-0-	97.0	121.0
86LFA505501	31.0	30.0	80.0	-0-	2.0	2.0	112.0	166.0
86LFA505501	31.0	-0-	80.0	-0-	2.0	-0-	112.0	128.0
86LFA505601	77.0	-0-	90.0	-0-	4.0	-0-	96.0	115.0
86LFA506001	18.0	17.0	100.0	-0-	2.0	1.0	107.0	118.0
86LFA506101	24.0	17.0	205.0	-0-	6.0	1.0	176.0	210.0
86LFA506301	27.0	-0-	100.0	-0-	5.0	-0-	111.0	143.0
86LFA506801	136.0	-0-	120.0	-0-	2.0	-0-	167.0	255.0
86LFA507201	41.0	38.0	190.0	-0-	6.0	1.0	121.0	124.0
86LFA507301	28.0	24.0	90.0	-0-	2.0	1.0	124.0	125.0
86LFA507501	41.0	38.0	145.0	-0-	3.0	2.0	141.0	156.0
86LFA507601	28.0	23.0	90.0	-0-	5.0	1.0	138.0	133.0

Sample	As 1st	As 2nd	Hg 1st	Hg 2nd	Sn 1st	Sn 2nd	Zn 1st	Zn 2nd
86LFA507701	33.0	22.0	110.0	-0-	1.0	1.0	194.0	207.0
86LFA508001	26.0	19.0	80.0	-0-	5.0	1.0	115.0	130.0
86LFA509901	40.0	-0-	100.0	-0-	3.0	-0-	157.0	203.0
86LFA511201	30.0	24.0	55.0	-0-	5.0	1.0	114.0	125.0
86LFA511301	42.0	30.0	85.0	-0-	3.0	2.0	153.0	180.0
86LFA511401	43.0	-0-	75.0	-0-	4.0	-0-	149.0	163.0
86LFA511501	20.0	-0-	70.0	-0-	3.0	-0-	124.0	154.0
86LFA511601	79.0	57.0	125.0	-0-	6.0	1.0	173.0	157.0
86LFA511601	79.0	60.0	125.0	-0-	6.0	1.0	173.0	185.0
86LFA514601	85.0	60.0	80.0	-0-	7.0	1.0	157.0	158.0
86LFA514601	85.0	70.0	80.0	-0-	7.0	1.0	157.0	172.0
86LFA514701	85.0	64.0	80.0	-0-	11.0	8.0	203.0	248.0
86LFA514701	85.0	-0-	80.0	-0-	11.0	-0-	203.0	280.0
86LFA514801	39.0	29.0	65.0	-0-	2.0	1.0	155.0	159.0
86LFA514801	39.0	31.0	65.0	-0-	2.0	1.0	155.0	194.0
86LFA514801	39.0	-0-	65.0	-0-	2.0	-0-	155.0	163.0
86LFA515001	24.0	-0-	140.0	-0-	10.0	-0-	174.0	165.0
86LFA515801	14.0	-0-	75.0	-0-	4.0	-0-	88.0	119.0
86LFA516201	21.0	-0-	140.0	-0-	6.0	-0-	92.0	107.0
86LFA516301	16.0	-0-	50.0	-0-	-0-	-0-	89.0	97.0
86LFA516701	14.0	9.0	200.0	-0-	-0-	1.0	151.0	151.0
86LFA516901	9.0	6.0	90.0	-0-	4.0	1.0	102.0	103.0
86LFA517601	13.0	15.0	80.0	-0-	-0-	1.0	100.0	104.0
86LFA518001	148.0	60.0	95.0	-0-	10.0	2.0	227.0	218.0
86LFA518101	238.0	160.0	170.0	-0-	7.0	2.0	396.0	322.0
86LFA518301	104.0	-0-	155.0	-0-	4.0	-0-	180.0	195.0
86LFA518701	91.0	-0-	125.0	-0-	10.0	-0-	184.0	109.0
86LFA518801	60.0	43.0	75.0	-0-	8.0	2.0	128.0	130.0
86LFA518901	53.0	51.0	25.0	-0-	7.0	9.0	160.0	209.0
86LFA518901	53.0	-0-	25.0	-0-	7.0	-0-	160.0	173.0
86LFA518901	53.0	-0-	25.0	-0-	7.0	-0-	160.0	175.0
86LFA519001	57.0	36.0	215.0	-0-	3.0	1.0	177.0	178.0
86LFA519101	48.0	48.0	75.0	-0-	2.0	7.0	161.0	216.0
86LFA519101	48.0	-0-	75.0	-0-	2.0	-0-	161.0	173.0
86LFA519201	49.0	-0-	75.0	-0-	5.0	-0-	197.0	210.0
86LFA519501	86.0	-0-	230.0	-0-	13.0	-0-	176.0	185.0
86LFA519601	66.0	35.0	150.0	-0-	7.0	1.0	225.0	217.0
86LFA519801	85.0	61.0	135.0	-0-	10.0	1.0	173.0	182.0
86LFA519801	85.0	65.0	135.0	-0-	10.0	11.0	173.0	217.0
86LFA519801	85.0	-0-	135.0	-0-	10.0	-0-	173.0	183.0
86LFA519901	54.0	41.0	75.0	-0-	5.0	2.0	161.0	180.0
86LFA520001	82.0	-0-	150.0	-0-	7.0	-0-	335.0	310.0
86LFA520301	25.0	20.0	75.0	-0-	3.0	1.0	124.0	130.0
86LFA520401	73.0	-0-	65.0	-0-	8.0	-0-	159.0	181.0
86LFA520601	53.0	-0-	70.0	-0-	3.0	-0-	167.0	196.0
86LFA521001	57.0	-0-	125.0	-0-	7.0	-0-	154.0	176.0
86LFA521101	44.0	20.0	55.0	-0-	4.0	1.0	129.0	117.0
86LFA521301	60.0	-0-	65.0	-0-	8.0	-0-	123.0	148.0
86LFA521501	91.0	57.0	80.0	-0-	4.0	1.0	378.0	330.0
86LFA521601	107.0	70.0	30.0	-0-	10.0	1.0	159.0	160.0
86LFA522101	43.0	23.0	150.0	-0-	4.0	1.0	150.0	159.0
86LFA522201	52.0	-0-	210.0	-0-	5.0	-0-	118.0	136.0
86LFA522301	44.0	33.0	75.0	-0-	8.0	4.0	113.0	145.0
86LFA522301	44.0	-0-	75.0	-0-	8.0	-0-	113.0	131.0
86LFA522601	50.0	37.0	110.0	-0-	9.0	8.0	160.0	215.0
86LFA522601	50.0	-0-	110.0	-0-	9.0	-0-	160.0	165.0

Sample	As 1st	As 2nd	Hg 1st	Hg 2nd	Sn 1st	Sn 2nd	Zn 1st	Zn 2nd
86LFA522601	50.0	-0-	110.0	-0-	9.0	-0-	160.0	165.0
86LFA522701	53.0	29.0	145.0	-0-	6.0	1.0	125.0	127.0
86LFA522801	54.0	24.0	130.0	-0-	4.0	2.0	127.0	136.0
86LFA522901	63.0	-0-	190.0	-0-	4.0	-0-	136.0	165.0
86LFA523001	89.0	61.0	105.0	-0-	7.0	2.0	100.0	119.0
86LFA523201	53.0	38.0	70.0	-0-	4.0	3.0	109.0	146.0
86LFA523201	53.0	45.0	70.0	-0-	4.0	1.0	109.0	128.0
86LFA523201	53.0	-0-	70.0	-0-	4.0	-0-	109.0	131.0
86LFA523601	58.0	-0-	150.0	-0-	7.0	-0-	173.0	200.0
86LFA523701	92.0	48.0	130.0	-0-	12.0	1.0	127.0	135.0
86LFA523801	25.0	22.0	40.0	-0-	5.0	4.0	119.0	142.0
86LFA523801	25.0	-0-	40.0	-0-	5.0	-0-	119.0	127.0
86LFA523901	34.0	27.0	40.0	-0-	5.0	1.0	126.0	123.0
86LFA524001	33.0	25.0	55.0	-0-	6.0	1.0	118.0	138.0
86LFA524001	33.0	40.0	55.0	-0-	6.0	6.0	118.0	165.0
86LFA524001	33.0	-0-	55.0	-0-	6.0	-0-	118.0	136.0
86LFA524101	37.0	55.0	55.0	-0-	1.0	9.0	122.0	149.0
86LFA524101	37.0	-0-	55.0	-0-	1.0	-0-	122.0	125.0
86LFA524201	191.0	160.0	65.0	-0-	5.0	2.0	334.0	315.0
86LFA524201	191.0	182.0	65.0	-0-	5.0	4.0	334.0	302.0
86LFA524201	191.0	-0-	65.0	-0-	5.0	-0-	334.0	360.0
86LFA524401	33.0	33.0	80.0	-0-	4.0	-0-	159.0	216.0
86LFA524401	33.0	-0-	80.0	-0-	4.0	-0-	159.0	187.0
86LFA524501	47.0	60.0	105.0	-0-	4.0	2.0	186.0	179.0
86LFA524801	140.0	150.0	50.0	-0-	-0-	2.0	131.0	156.0
86LFA525001	70.0	57.0	45.0	-0-	7.0	1.0	141.0	165.0
86LFA525101	57.0	41.0	55.0	-0-	7.0	4.0	136.0	197.0
86LFA525101	57.0	50.0	55.0	-0-	7.0	1.0	136.0	165.0
86LFA525101	57.0	-0-	55.0	-0-	7.0	-0-	136.0	173.0
86LFA525201	115.0	100.0	65.0	-0-	8.0	1.0	349.0	310.0
86LFA525201	115.0	103.0	65.0	-0-	8.0	7.0	349.0	297.0
86LFA525201	115.0	-0-	65.0	-0-	8.0	-0-	349.0	317.0
86LFA525301	33.0	25.0	85.0	-0-	9.0	5.0	100.0	151.0
86LFA525301	33.0	27.0	85.0	-0-	9.0	1.0	100.0	129.0
86LFA525301	33.0	-0-	85.0	-0-	9.0	-0-	100.0	127.0
86LFA525501	52.0	53.0	105.0	-0-	2.0	1.0	531.0	640.0
86LFA525501	52.0	70.0	105.0	-0-	2.0	2.0	531.0	600.0
86LFA525701	47.0	35.0	75.0	-0-	6.0	3.0	150.0	212.0
86LFA525701	47.0	38.0	75.0	-0-	6.0	1.0	150.0	187.0
86LFA525701	47.0	-0-	75.0	-0-	6.0	-0-	150.0	119.0
86LFA525801	30.0	25.0	105.0	-0-	4.0	1.0	122.0	142.0
86LFA525901	79.0	63.0	85.0	-0-	2.0	1.0	136.0	144.0
86LFA525901	79.0	64.0	85.0	-0-	2.0	7.0	136.0	178.0
86LFA525901	79.0	-0-	85.0	-0-	2.0	-0-	136.0	155.0
86LFA526001	39.0	27.0	55.0	-0-	4.0	4.0	163.0	192.0
86LFA526001	39.0	32.0	55.0	-0-	4.0	1.0	163.0	185.0
86LFA526001	39.0	-0-	55.0	-0-	4.0	-0-	163.0	190.0
86LFA526101	97.0	82.0	55.0	-0-	6.0	10.0	162.0	211.0
86LFA526101	97.0	-0-	55.0	-0-	6.0	-0-	162.0	173.0
86LFA526201	33.0	25.0	70.0	-0-	4.0	1.0	132.0	137.0
86LFA526301	122.0	94.0	110.0	-0-	7.0	10.0	162.0	199.0
86LFA526301	122.0	-0-	110.0	-0-	7.0	-0-	162.0	193.0
86LFA526401	140.0	100.0	130.0	-0-	3.0	2.0	172.0	197.0
86LFA526601	149.0	121.0	60.0	-0-	8.0	6.0	166.0	193.0
86LFA526601	149.0	-0-	60.0	-0-	8.0	-0-	166.0	178.0
86LFA526701	115.0	70.0	85.0	-0-	7.0	1.0	165.0	185.0

Sample	As 1st	As 2nd	Hg 1st	Hg 2nd	Sn 1st	Sn 2nd	Zn 1st	Zn 2nd
86LFA526801	33.0	22.0	125.0	-0-	4.0	6.0	108.0	140.0
86LFA526801	33.0	-0-	125.0	-0-	4.0	-0-	108.0	126.0
86LFA526801	33.0	-0-	125.0	-0-	4.0	-0-	108.0	126.0
86LFA526901	52.0	35.0	105.0	-0-	6.0	1.0	134.0	168.0
86LFA527001	77.0	63.0	75.0	-0-	8.0	2.0	107.0	128.0
86LFA527201	81.0	70.0	95.0	-0-	5.0	1.0	191.0	234.0
86LFA527401	43.0	37.0	105.0	-0-	7.0	9.0	110.0	163.0
86LFA527401	43.0	-0-	105.0	-0-	7.0	-0-	110.0	135.0
86LFA527701	76.0	38.0	160.0	-0-	9.0	1.0	343.0	300.0
86LFA527701	76.0	55.0	160.0	-0-	9.0	1.0	343.0	294.0
86LFA527801	115.0	57.0	270.0	-0-	8.0	1.0	179.0	235.0
86LFA527901	90.0	60.0	70.0	-0-	-0-	2.0	1.0	210.0
86LFA528001	44.0	-0-	160.0	-0-	11.0	-0-	124.0	141.0
86LFA528101	54.0	38.0	65.0	-0-	4.0	1.0	140.0	141.0
86LFA528201	47.0	37.0	140.0	-0-	3.0	6.0	120.0	170.0
86LFA528201	47.0	-0-	140.0	-0-	3.0	-0-	120.0	141.0
86LFA528801	68.0	70.0	55.0	-0-	4.0	2.0	137.0	159.0
86LFA529001	97.0	70.0	190.0	-0-	7.0	1.0	168.0	189.0
86LFA529201	114.0	80.0	95.0	-0-	6.0	1.0	311.0	253.0
86LFA529701	107.0	70.0	195.0	-0-	-0-	1.0	106.0	115.0
86LFA529701	107.0	-0-	195.0	-0-	-0-	-0-	106.0	115.0
86LFA529901	28.0	22.0	70.0	-0-	7.0	2.0	111.0	118.0
86LFA530001	27.0	-0-	65.0	-0-	13.0	-0-	144.0	142.0
86LFA530801	45.0	32.0	90.0	-0-	6.0	1.0	164.0	164.0
86LFA531001	34.0	38.0	65.0	-0-	15.0	1.0	145.0	188.0
86LFA531501	48.0	-0-	365.0	-0-	15.0	-0-	204.0	216.0
86LFA531601	39.0	41.0	130.0	-0-	-0-	1.0	80.0	94.0
86LFA531701	7.0	6.0	130.0	-0-	2.0	-0-	88.0	99.0
86LFA531701	7.0	-0-	130.0	-0-	2.0	-0-	88.0	94.0
86LFA532001	17.0	-0-	80.0	-0-	3.0	-0-	291.0	386.0
86LFA532401	69.0	-0-	85.0	-0-	9.0	-0-	221.0	224.0
86LFA532601	32.0	25.0	85.0	-0-	6.0	5.0	129.0	147.0
86LFA532601	32.0	-0-	85.0	-0-	6.0	-0-	129.0	141.0
86LFA532701	51.0	42.0	80.0	-0-	8.0	11.0	185.0	204.0
86LFA532701	51.0	-0-	80.0	-0-	8.0	-0-	185.0	182.0
86LFA532901	55.0	36.0	100.0	-0-	4.0	2.0	164.0	171.0
86LFA533101	46.0	-0-	110.0	-0-	4.0	-0-	158.0	168.0
86LFA533501	32.0	29.0	110.0	-0-	10.0	4.0	139.0	170.0
86LFA533501	32.0	-0-	110.0	-0-	10.0	-0-	139.0	159.0
86LFA533601	22.0	-0-	80.0	-0-	5.0	-0-	132.0	151.0
86LFA533801	31.0	-0-	110.0	-0-	5.0	-0-	123.0	141.0
86LFA534901	99.0	90.0	270.0	-0-	3.0	1.0	157.0	137.0
86LFA535201	15.0	12.0	200.0	-0-	3.0	3.0	149.0	161.0
86LFA535201	15.0	-0-	200.0	-0-	3.0	-0-	149.0	142.0
86LFA535401	22.0	23.0	160.0	-0-	1.0	1.0	163.0	163.0
86LFA535501	16.0	15.0	140.0	-0-	1.0	3.0	143.0	158.0
86LFA535501	16.0	-0-	140.0	-0-	1.0	-0-	143.0	133.0
86LFA535601	7.0	-0-	205.0	-0-	4.0	-0-	76.0	86.0
86LFA535701	113.0	110.0	1650.0	-0-	10.0	2.0	852.0	860.0
86LFA535801	20.0	17.0	405.0	-0-	4.0	2.0	184.0	205.0
86LFA536001	34.0	25.0	365.0	-0-	4.0	1.0	257.0	253.0
86LFA536201	10.0	16.0	705.0	695.0	4.0	2.0	196.0	186.0
86LFA536201	10.0	-0-	705.0	-0-	4.0	-0-	196.0	194.0
86LFA536301	32.0	-0-	1250.0	-0-	-0-	-0-	294.0	321.0
86LFA536501	9.0	-0-	80.0	-0-	3.0	-0-	276.0	440.0
86LFA536801	11.0	-0-	230.0	-0-	3.0	-0-	141.0	168.0

Sample	As 1st	As 2nd	Hg 1st	Hg 2nd	Sn 1st	Sn 2nd	Zn 1st	Zn 2nd
86LFA537101	7.0	6.0	60.0	-0-	8.0	1.0	132.0	148.0
86LFA537401	15.0	14.0	585.0	-0-	6.0	2.0	202.0	215.0
86LFA537501	8.0	12.0	180.0	180.0	2.0	4.0	178.0	187.0
86LFA537801	10.0	10.0	80.0	-0-	5.0	1.0	111.0	105.0
86LFA538501	14.0	15.0	40.0	40.0	2.0	2.0	124.0	129.0
86LFA538801	14.0	-0-	100.0	-0-	2.0	-0-	120.0	135.0
86LFA539301	11.0	17.0	80.0	65.0	-0-	3.0	132.0	136.0
86LFA539601	15.0	13.0	90.0	80.0	3.0	1.0	133.0	129.0
86LFA539801	13.0	12.0	80.0	-0-	9.0	1.0	133.0	129.0
86LFA539901	13.0	12.0	100.0	-0-	3.0	1.0	143.0	136.0
86LFA540101	16.0	-0-	90.0	-0-	4.0	-0-	109.0	114.0
86LFA540601	83.0	60.0	40.0	-0-	5.0	1.0	142.0	144.0
86LFA540601	83.0	85.0	40.0	40.0	5.0	2.0	142.0	138.0
86LFA541001	64.0	70.0	70.0	-0-	2.0	1.0	115.0	116.0
86LFA541201	13.0	15.0	165.0	-0-	4.0	2.0	104.0	115.0
86LFA541401	12.0	11.0	80.0	-0-	1.0	1.0	145.0	150.0
86LFA542001	16.0	14.0	165.0	-0-	-0-	1.0	127.0	138.0
86LFA542201	11.0	11.0	65.0	70.0	-0-	3.0	102.0	103.0
86LFA542301	16.0	14.0	95.0	-0-	4.0	1.0	90.0	97.0
86LFA542701	12.0	11.0	85.0	-0-	3.0	1.0	94.0	95.0
86LFA542901	11.0	9.0	85.0	-0-	-0-	1.0	111.0	113.0
86LFA543001	11.0	7.0	110.0	-0-	-0-	1.0	114.0	128.0
86LFA543101	11.0	12.0	175.0	135.0	8.0	5.0	295.0	320.0
86LFA543301	16.0	15.0	155.0	-0-	5.0	1.0	108.0	124.0
86LFA543401	27.0	17.0	65.0	-0-	3.0	1.0	111.0	106.0
86LFA543401	27.0	19.0	65.0	-0-	3.0	1.0	111.0	110.0
86LFA543501	54.0	45.0	65.0	-0-	6.0	1.0	143.0	157.0
86LFA543501	54.0	-0-	65.0	-0-	6.0	-0-	143.0	153.0
86LFA543601	48.0	32.0	110.0	-0-	4.0	1.0	138.0	153.0
86LFA543601	48.0	39.0	110.0	-0-	4.0	1.0	138.0	143.0
86LFA543701	31.0	19.0	100.0	-0-	8.0	1.0	127.0	130.0
86LFA543801	84.0	57.0	70.0	-0-	1.0	1.0	111.0	125.0
86LFA543801	84.0	67.0	70.0	-0-	1.0	1.0	111.0	132.0
86LFA543901	44.0	25.0	80.0	-0-	6.0	1.0	116.0	126.0
86LFA544201	41.0	30.0	180.0	-0-	7.0	1.0	168.0	191.0
86LFA544301	112.0	100.0	160.0	-0-	-0-	1.0	142.0	150.0
86LFA544401	56.0	60.0	75.0	-0-	7.0	1.0	283.0	236.0
86LFA544501	117.0	100.0	60.0	-0-	8.0	1.0	134.0	156.0
86LFA544601	59.0	36.0	95.0	-0-	4.0	1.0	130.0	144.0
86LFA544701	43.0	34.0	80.0	-0-	9.0	7.0	126.0	167.0
86LFA544701	43.0	36.0	80.0	-0-	9.0	1.0	126.0	156.0
86LFA544701	43.0	-0-	80.0	-0-	9.0	-0-	126.0	141.0
86LFA544801	51.0	35.0	40.0	-0-	7.0	1.0	142.0	116.0
86LFA544901	55.0	35.0	50.0	-0-	5.0	7.0	134.0	178.0
86LFA544901	55.0	39.0	50.0	-0-	5.0	1.0	134.0	145.0
86LFA544901	55.0	-0-	50.0	-0-	5.0	-0-	134.0	137.0
86LFA546801	136.0	100.0	115.0	-0-	8.0	3.0	155.0	222.0
86LFA547201	32.0	17.0	110.0	-0-	-0-	1.0	150.0	221.0
86LFA547601	26.0	26.0	40.0	45.0	4.0	4.0	133.0	121.0
86LFA551301	54.0	35.0	85.0	-0-	6.0	1.0	349.0	177.0
86LFA551601	117.0	46.0	65.0	-0-	8.0	1.0	362.0	395.0
86LFA551701	50.0	14.0	240.0	-0-	3.0	2.0	288.0	270.0
86LFA551901	98.0	60.0	65.0	-0-	6.0	1.0	346.0	351.0
86LFA551901	98.0	60.0	65.0	-0-	6.0	2.0	346.0	353.0
86LFA552301	57.0	56.0	160.0	155.0	7.0	3.0	284.0	289.0
86LFA552601	77.0	-0-	130.0	-0-	5.0	-0-	390.0	443.0

Sample	As 1st	As 2nd
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Hg 1st	Hg 2nd
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Sn 1st	Sn 2nd
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Zn 1st	Zn 2nd
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86LFA553001	69.0	38.0
86LFA553001	69.0	38.0
86LFA553901	84.0	83.0
86LFA554001	108.0	70.0
86LFA554101	135.0	100.0
86LFA554801	59.0	39.0
86LFA555601	62.0	36.0
86LFA555801	38.0	44.0
86LFA556001	124.0	100.0
86LFA556601	168.0	170.0
86LFA557101	55.0	33.0
86LFA557201	40.0	30.0
86LFA557201	40.0	34.0
86LFA557201	40.0	-0-
86LFA557301	150.0	140.0
86LFA557501	48.0	29.0
86LFA561701	90.0	60.0
86LFA561701	48.0	69.0
86LFA561701	48.0	-0-
86LFA561801	126.0	110.0
86LFA561901	144.0	110.0
86LFA562001	121.0	100.0
86LFA562101	73.0	55.0
86LFA562101	73.0	60.0
86LFA562201	130.0	-0-
86LFA567601	96.0	78.0

70.0	-0-
70.0	-0-
130.0	150.0
70.0	-0-
130.0	-0-
60.0	-0-
70.0	-0-
173.0	155.0
230.0	-0-
445.0	250.0
40.0	-0-
25.0	-0-
25.0	-0-
25.0	-0-
25.0	-0-
40.0	-0-
255.0	-0-
40.0	-0-
40.0	-0-
175.0	-0-
225.0	-0-
140.0	-0-
145.0	-0-
145.0	-0-
175.0	-0-
200.0	400.0

6.0	2.0
6.0	1.0
8.0	is
10.0	1.0
9.0	1.0
11.0	1.0
5.0	1.0
6.0	6.0
9.0	1.0
5.0	1.0
4.0	1.0
6.0	1.0
6.0	6.0
6.0	-0-
3.0	1.0
4.0	1.0
8.0	1.0
4.0	6.0
4.0	-0-
12.0	1.0
9.0	1.0
5.0	1.0
11.0	1.0
11.0	2.0
7.0	-0-
4.0	2.0

289.0	276.0
289.0	270.0
125.0	104.0
153.0	164.0
131.0	123.0
107.0	119.0
353.0	354.0
317.0	315.0
518.0	540.0
159.0	137.0
200.0	179.0
132.0	124.0
132.0	145.0
132.0	127.0
187.0	170.0
121.0	125.0
556.0	540.0
121.0	504.0
121.0	500.0
1205.0	910.0
793.0	640.0
624.0	510.0
558.0	487.0
558.0	520.0
695.0	600.0
265.0	202.0

TABLE II C

New Brunswick North

Less than 63 um first vs second

Sample	As #1	As #2	Au #1	Au #2	Hg #1	Hg #2	Sample	As #1	As #2	Au #1	Au #2	Hg #1	Hg #2
85LFA018501	7.6	8.8	1.0	2.0	-	-	86LFA546501	53.3	-	1.0	3.0	40.0	-
85LFA019701	9.3	15.0	23.0	2.0	-	-	86LFA546601	16.0	-	1.0	3.0	40.0	-
85LFA025201	29.0	28.0	3.0	2.0	-	-	86LFA546701	25.0	-	5.0	3.0	50.0	-
85LFA031601	13.0	15.0	1.0	2.0	-	-	86LFA546801	56.8	17.0	1.0	3.0	55.0	-
85LFA031901	20.0	19.0	1.0	2.0	-	-	86LFA547601	8.2	15.0	3.0	2.0	10.0	60.0
85LFA033201	6.5	6.6	1.0	2.0	-	-	86LFA547601	8.2	-	3.0	1.0	10.0	-
85LFA050801	5.8	5.1	1.0	2.0	-	-	86LFA550401	15.0	-	1.0	3.0	10.0	-
85LFA055901	7.2	6.7	1.0	2.0	-	-	86LFA551401	19.0	-	1.0	7.0	40.0	-
86LFA503901	30.0	30.0	7.0	2.0	240.0	210.0	86LFA551501	14.0	-	1.0	1.0	2.0	-
86LFA504501	127.0	135.0	8.0	6.0	60.0	60.0	86LFA551701	14.0	19.0	1.0	4.0	50.0	85.0
86LFA505101	37.0	41.0	9.0	9.0	50.0	35.0	86LFA551901	38.0	-	1.0	1.0	20.0	-
86LFA506301	15.0	16.0	1.0	2.0	35.0	30.0	86LFA552001	13.0	-	1.0	1.0	25.0	-
86LFA507601	18.0	21.0	5.0	4.0	45.0	40.0	86LFA552301	16.0	-	1.0	1.0	80.0	-
86LFA512401	48.0	54.4	4.0	3.0	65.0	55.0	86LFA552601	27.0	-	1.0	1.0	50.0	-
86LFA513201	27.0	29.0	4.0	4.0	55.0	45.0	86LFA553001	25.0	-	3.0	1.0	25.0	-
86LFA514001	16.0	21.0	1.0	6.0	50.0	50.0	86LFA553501	29.0	17.0	2.0	2.0	65.0	30.0
86LFA516301	8.1	8.7	1.0	2.0	25.0	25.0	86LFA553901	17.0	-	5.0	2.0	25.0	-
86LFA516401	11.0	12.0	1.0	4.0	70.0	80.0	86LFA554801	23.0	-	4.0	2.0	15.0	-
86LFA530501	23.0	25.0	1.0	2.0	45.0	45.0	86LFA555901	36.0	16.0	13.0	2.0	100.0	-
86LFA531801	14.0	15.0	1.0	3.0	50.0	45.0	86LFA555901	36.0	25.0	13.0	2.0	100.0	40.0
86LFA532901	31.0	30.0	1.0	2.0	60.0	60.0	86LFA555901	36.0	-	13.0	2.0	100.0	-
86LFA533501	18.0	17.0	1.0	2.0	75.0	70.0	86LFA556601	40.0	-	5.0	4.0	65.0	-
86LFA536101	16.0	16.0	1.0	2.0	165.0	185.0	86LFA556601	64.3	-	17.0	17.0	85.0	-
86LFA536601	8.2	8.6	1.0	2.0	80.0	85.0	86LFA556601	63.3	-	6.0	2.0	65.0	-
86LFA540001	9.4	10.0	1.0	2.0	30.0	40.0	86LFA556801	63.8	-	1.0	2.0	65.0	-
86LFA540701	29.0	27.0	1.0	3.0	40.0	60.0	86LFA557001	97.9	-	1.0	3.0	45.0	-
86LFA546001	17.0	-	3.0	4.0	35.0	-	86LFA557301	45.0	-	1.0	81.0	20.0	-
86LFA546201	18.0	-	9.0	4.0	25.0	-	86LFA567701	14.0	-	1.0	3.0	40.0	-
86LFA546301	15.0	-	1.0	4.0	50.0	-	86LFA567901	20.0	-	5.0	5.0	70.0	-

TABLE III

New Brunswick North <2µm

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
85LFA01760	15.0	20.0	124.0	41.0	820.0	6.2	-0	580.0	1.0	121.0	19.0	3.0	0.6	2.0	115.0	1
85LFA01770	15.0	27.0	113.0	57.0	620.0	6.4	-0	1500.0	2.0	133.0	28.0	1.0	0.8	4.0	125.0	1
85LFA01780	20.0	17.0	116.0	44.0	770.0	5.3	-0	500.0	1.0	151.0	20.0	4.0	1.0	2.0	125.0	1
85LFA01790	11.0	19.0	140.0	43.0	950.0	5.9	-0	515.0	2.0	167.0	25.0	5.0	0.8	4.0	108.0	1
85LFA01800	14.0	24.0	109.0	43.0	890.0	5.4	-0	575.0	3.0	152.0	16.0	2.0	0.7	4.0	130.0	1
85LFA01810	13.0	24.0	110.0	58.0	500.0	5.5	-0	725.0	3.0	76.0	25.0	4.0	2.2	2.0	83.0	1
85LFA01820	37.0	14.0	53.0	43.0	830.0	4.8	-0	520.0	2.0	69.0	26.0	6.0	1.0	2.0	135.0	1
85LFA01830	18.0	23.0	71.0	37.0	645.0	5.0	-0	1000.0	2.0	80.0	16.0	4.0	1.5	2.0	80.0	1
85LFA01840	7.0	22.0	83.0	32.0	470.0	4.5	-0	446.0	3.0	84.0	13.0	4.0	2.0	2.0	90.0	1
85LFA01850	12.0	18.0	75.0	35.0	390.0	5.3	-0	780.0	2.0	54.0	20.0	5.0	2.2	1.0	74.0	1
85LFA01860	84.0	31.0	55.0	68.0	720.0	4.2	-0	2100.0	4.0	65.0	40.0	10.0	2.0	4.0	105.0	1
85LFA01870	44.0	30.0	82.0	58.0	620.0	4.2	-0	1000.0	3.0	96.0	49.0	4.0	2.2	2.0	130.0	1
85LFA01880	26.0	9.0	77.0	30.0	540.0	6.0	-0	370.0	2.0	40.0	22.0	4.0	2.0	2.0	70.0	1
85LFA01950	14.0	20.0	104.0	48.0	350.0	5.0	-0	920.0	3.0	69.0	25.0	8.0	2.0	2.0	85.0	1
85LFA01970	5.0	14.0	44.0	36.0	490.0	3.7	-0	550.0	4.0	30.0	40.0	4.0	3.4	2.0	65.0	1
85LFA02400	30.0	25.0	52.0	93.0	1000.0	4.8	-0	1800.0	6.0	62.0	41.0	-0	1.5	2.0	160.0	1
85LFA02420	22.0	22.0	69.0	70.0	950.0	5.2	-0	925.0	7.0	68.0	32.0	3.0	8.5	2.0	155.0	1
85LFA02430	30.0	24.0	78.0	81.0	860.0	5.8	-0	1025.0	3.0	77.0	19.0	4.0	0.9	2.0	130.0	1
85LFA02450	34.0	22.0	59.0	120.0	780.0	5.1	-0	900.0	2.0	62.0	20.0	4.0	0.9	2.0	110.0	1
85LFA02460	34.0	18.0	71.0	62.0	640.0	4.6	-0	680.0	4.0	63.0	30.0	9.0	2.2	4.0	135.0	1
85LFA02470	16.0	24.0	84.0	51.0	645.0	5.5	-0	825.0	2.0	86.0	18.0	-0	0.7	2.0	135.0	1
85LFA02490	20.0	23.0	87.0	55.0	620.0	6.4	-0	850.0	2.0	89.0	18.0	-0	1.0	2.0	125.0	1
85LFA02500	145.0	33.0	110.0	74.0	620.0	4.8	-0	1700.0	4.0	103.0	29.0	10.0	1.5	4.0	300.0	1
85LFA02510	127.0	24.0	94.0	82.0	720.0	5.1	-0	1050.0	5.0	98.0	81.0	2.0	2.9	2.0	158.0	1
85LFA02530	155.0	18.0	94.0	220.0	680.0	5.4	-0	755.0	1.0	67.0	30.0	6.0	1.4	2.0	135.0	1
85LFA02540	101.0	21.0	78.0	86.0	920.0	5.8	-0	990.0	4.0	90.0	46.0	3.0	2.6	4.0	190.0	1
85LFA02560	29.0	18.0	80.0	41.0	640.0	5.4	-0	950.0	1.0	70.0	28.0	6.0	1.2	2.0	172.0	1
85LFA02600	32.0	20.0	64.0	63.0	750.0	5.0	-0	900.0	4.0	66.0	27.0	4.0	1.5	2.0	135.0	1
85LFA02640	52.0	16.0	86.0	58.0	690.0	5.6	-0	460.0	2.0	75.0	26.0	2.0	1.5	2.0	172.0	1
85LFA02710	158.0	16.0	75.0	49.0	740.0	5.4	-0	500.0	2.0	68.0	25.0	8.0	1.4	2.0	115.0	1
85LFA02720	40.0	23.0	72.0	49.0	735.0	5.2	-0	900.0	4.0	75.0	44.0	5.0	2.9	2.0	170.0	1
85LFA02850	14.0	26.0	95.0	61.0	1070.0	5.5	-0	1050.0	1.0	137.0	23.0	3.0	0.8	2.0	117.0	1
85LFA02860	14.0	22.0	72.0	61.0	1120.0	6.2	-0	950.0	1.0	88.0	20.0	4.0	0.8	2.0	115.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
85LFA02870	20.0	39.0	102.0	54.0	700.0	5.8	-0	2250.0	2.0	95.0	44.0	-0	2.0	2.0	105.0	1
85LFA02880	28.0	26.0	91.0	51.0	530.0	5.4	-0	800.0	3.0	83.0	38.0	4.0	1.8	2.0	100.0	1
85LFA02890	26.0	23.0	92.0	42.0	530.0	5.2	-0	900.0	3.0	71.0	33.0	3.0	1.8	2.0	70.0	1
85LFA03010	60.0	16.0	70.0	69.0	920.0	6.2	-0	940.0	1.0	51.0	61.0	9.0	4.9	2.0	180.0	1
85LFA03030	73.0	19.0	60.0	82.0	790.0	7.4	-0	1300.0	4.0	37.0	158.0	8.0	3.7	2.0	170.0	1
85LFA03050	60.0	22.0	80.0	77.0	800.0	6.0	-0	1300.0	5.0	54.0	58.0	9.0	5.4	4.0	140.0	1
85LFA03050	75.0	43.0	65.0	106.0	800.0	5.4	-0	3600.0	5.0	57.0	59.0	9.0	3.4	4.0	140.0	1
85LFA03060	35.0	22.0	70.0	68.0	700.0	5.7	-0	1700.0	3.0	51.0	41.0	5.0	2.0	2.0	144.0	1
85LFA03070	12.0	13.0	32.0	33.0	470.0	3.9	-0	480.0	1.0	29.0	25.0	-0	0.7	2.0	85.0	1
85LFA03080	22.0	14.0	62.0	37.0	780.0	4.8	-0	780.0	2.0	43.0	28.0	5.0	2.2	2.0	110.0	1
85LFA03090	1.0	2.0	24.0	5.0	740.0	2.6	-0	95.0	-0	14.0	19.0	-0	0.6	2.0	20.0	1
85LFA03100	7.0	10.0	78.0	7.0	790.0	3.5	-0	80.0	-0	57.0	21.0	2.0	1.0	2.0	34.0	1
85LFA03110	140.0	18.0	54.0	87.0	830.0	6.3	-0	900.0	3.0	43.0	61.0	7.0	4.0	2.0	250.0	1
85LFA03130	52.0	15.0	91.0	50.0	560.0	4.5	-0	420.0	1.0	59.0	33.0	4.0	3.3	2.0	78.0	1
85LFA03140	77.0	20.0	72.0	62.0	780.0	6.2	-0	1300.0	3.0	51.0	48.0	7.0	4.5	4.0	140.0	1
85LFA03150	43.0	21.0	86.0	60.0	800.0	6.2	-0	840.0	2.0	70.0	25.0	2.0	1.8	2.0	118.0	1
85LFA03160	24.0	23.0	95.0	49.0	590.0	5.3	-0	800.0	3.0	66.0	22.0	9.0	1.5	2.0	85.0	1
85LFA03170	29.0	24.0	103.0	54.0	720.0	6.0	-0	800.0	2.0	70.0	15.0	-0	1.1	2.0	100.0	1
85LFA03180	37.0	31.0	150.0	76.0	780.0	6.2	-0	2600.0	3.0	97.0	33.0	1.0	4.0	4.0	166.0	1
85LFA03190	41.0	20.0	108.0	76.0	640.0	6.8	-0	1300.0	1.0	72.0	43.0	6.0	1.6	2.0	115.0	1
85LFA03200	64.0	25.0	84.0	68.0	920.0	5.4	-0	960.0	2.0	93.0	60.0	8.0	0.8	2.0	150.0	1
85LFA03210	22.0	38.0	115.0	88.0	1050.0	5.8	-0	1800.0	3.0	98.0	30.0	7.0	1.0	2.0	86.0	1
85LFA03240	54.0	22.0	116.0	73.0	875.0	7.2	-0	1300.0	3.0	74.0	11.0	-0	1.8	2.0	82.0	1
85LFA03260	58.0	20.0	83.0	51.0	830.0	5.4	-0	680.0	2.0	74.0	90.0	6.0	1.5	2.0	98.0	1
85LFA03290	27.0	19.0	90.0	53.0	850.0	5.8	-0	440.0	3.0	67.0	41.0	-0	1.3	2.0	95.0	1
85LFA03300	63.0	38.0	170.0	119.0	700.0	6.1	-0	1800.0	1.0	80.0	75.0	6.0	1.3	2.0	130.0	1
85LFA03310	40.0	19.0	74.0	36.0	720.0	4.6	-0	380.0	3.0	60.0	21.0	1.0	1.1	2.0	78.0	1
85LFA03320	12.0	14.0	52.0	16.0	630.0	3.3	-0	470.0	1.0	30.0	50.0	8.0	1.7	2.0	94.0	1
85LFA03330	16.0	13.0	68.0	23.0	600.0	3.9	-0	240.0	3.0	44.0	140.0	12.0	2.6	2.0	114.0	1
85LFA03340	15.0	10.0	54.0	20.0	530.0	4.5	-0	270.0	4.0	35.0	30.0	9.0	1.7	2.0	93.0	1
85LFA03350	27.0	30.0	115.0	67.0	750.0	5.6	-0	1200.0	2.0	70.0	65.0	12.0	1.0	2.0	100.0	1
85LFA03360	18.0	12.0	64.0	20.0	620.0	4.6	-0	380.0	1.0	36.0	55.0	6.0	1.7	2.0	85.0	1
85LFA03390	15.0	20.0	80.0	55.0	825.0	5.9	-0	550.0	1.0	76.0	15.0	-0	1.0	2.0	130.0	1
85LFA03400	32.0	23.0	72.0	44.0	650.0	4.9	-0	580.0	1.0	58.0	16.0	1.0	1.5	2.0	95.0	1
85LFA03420	27.0	20.0	80.0	45.0	400.0	4.8	-0	610.0	2.0	64.0	70.0	7.0	2.8	2.0	80.0	1
85LFA03460	20.0	21.0	100.0	55.0	630.0	5.0	-0	570.0	1.0	79.0	21.0	-0	1.3	2.0	98.0	1
85LFA03480	13.0	23.0	96.0	76.0	700.0	5.8	-0	900.0	1.0	87.0	20.0	-0	1.1	2.0	125.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
85LFA03490	63.0	20.0	52.0	37.0	840.0	5.0	-0-	1500.0	-0-	69.0	16.0	4.0	0.8	2.0	97.0	1
85LFA03500	29.0	20.0	84.0	50.0	860.0	4.7	-0-	440.0	3.0	72.0	20.0	7.0	0.6	2.0	105.0	1
85LFA03520	21.0	36.0	94.0	108.0	670.0	6.2	-0-	1600.0	2.0	75.0	28.0	2.0	1.3	2.0	175.0	1
85LFA03730	40.0	24.0	125.0	76.0	800.0	6.4	-0-	940.0	3.0	55.0	67.0	5.0	2.9	6.0	210.0	1
85LFA03740	45.0	18.0	25.0	47.0	1030.0	5.8	-0-	980.0	2.0	14.0	153.0	8.0	5.7	4.0	290.0	1
85LFA03750	23.0	17.0	40.0	33.0	860.0	5.4	-0-	830.0	2.0	20.0	65.0	7.0	4.3	4.0	178.0	1
85LFA03760	29.0	20.0	48.0	28.0	790.0	7.4	-0-	1500.0	3.0	16.0	105.0	6.0	2.6	2.0	225.0	1
85LFA03770	21.0	17.0	46.0	29.0	830.0	5.8	-0-	1000.0	2.0	21.0	52.0	7.0	2.7	2.0	190.0	1
85LFA03780	16.0	20.0	56.0	38.0	750.0	5.0	-0-	760.0	2.0	25.0	61.0	8.0	3.2	2.0	132.0	1
85LFA03800	99.0	8.0	54.0	33.0	930.0	5.2	-0-	300.0	3.0	18.0	106.0	9.0	4.0	4.0	155.0	1
85LFA03820	16.0	22.0	77.0	48.0	645.0	4.2	-0-	700.0	2.0	55.0	20.0	5.0	2.7	2.0	72.0	1
85LFA03830	24.0	22.0	70.0	57.0	710.0	3.8	-0-	580.0	3.0	70.0	25.0	9.0	2.6	2.0	90.0	1
85LFA03860	126.0	32.0	90.0	101.0	1020.0	7.0	-0-	2000.0	11.0	103.0	60.0	-0-	2.7	2.0	125.0	1
85LFA03870	65.0	22.0	70.0	91.0	1100.0	6.0	-0-	1700.0	3.0	51.0	151.0	8.0	1.8	4.0	250.0	1
85LFA03930	37.0	13.0	23.0	25.0	840.0	5.0	-0-	2600.0	3.0	14.0	92.0	9.0	4.0	2.0	130.0	1
85LFA03960	123.0	30.0	79.0	90.0	870.0	5.8	-0-	2250.0	2.0	53.0	420.0	7.0	2.6	2.0	260.0	1
85LFA03980	114.0	23.0	94.0	65.0	890.0	5.4	-0-	750.0	2.0	55.0	125.0	12.0	4.0	4.0	185.0	1
85LFA03990	54.0	22.0	89.0	60.0	890.0	5.6	-0-	860.0	4.0	75.0	38.0	4.0	2.4	4.0	150.0	1
85LFA04430	93.0	25.0	54.0	64.0	970.0	4.0	-0-	1000.0	3.0	30.0	128.0	8.0	3.1	4.0	180.0	1
85LFA04480	127.0	16.0	47.0	38.0	1100.0	4.6	-0-	800.0	3.0	21.0	103.0	11.0	2.4	4.0	260.0	1
85LFA04490	161.0	24.0	90.0	55.0	1120.0	4.1	-0-	1900.0	3.0	55.0	66.0	9.0	3.1	2.0	220.0	1
85LFA04510	41.0	24.0	68.0	47.0	1040.0	5.5	-0-	1100.0	4.0	54.0	69.0	5.0	1.8	2.0	260.0	1
85LFA04520	72.0	22.0	64.0	60.0	950.0	6.0	-0-	2000.0	4.0	42.0	114.0	4.0	2.2	2.0	280.0	1
85LFA04530	37.0	40.0	145.0	95.0	710.0	6.6	-0-	1800.0	4.0	115.0	36.0	5.0	2.3	2.0	150.0	1
85LFA04550	32.0	26.0	122.0	80.0	830.0	6.5	-0-	900.0	4.0	93.0	27.0	3.0	1.8	2.0	170.0	1
85LFA04570	102.0	30.0	98.0	53.0	1100.0	5.8	-0-	2000.0	3.0	46.0	160.0	10.0	1.7	4.0	170.0	1
85LFA04620	58.0	30.0	150.0	87.0	770.0	7.0	-0-	1700.0	2.0	85.0	43.0	7.0	1.6	2.0	200.0	1
85LFA04670	55.0	25.0	105.0	60.0	1010.0	2.7	-0-	360.0	3.0	65.0	35.0	6.0	1.8	2.0	110.0	1
85LFA04690	77.0	30.0	110.0	90.0	850.0	6.0	-0-	1800.0	1.0	80.0	42.0	5.0	1.8	2.0	158.0	1
85LFA04700	87.0	27.0	105.0	88.0	900.0	5.9	-0-	1300.0	2.0	75.0	33.0	6.0	1.9	2.0	170.0	1
85LFA04720	46.0	22.0	80.0	65.0	860.0	5.6	-0-	460.0	1.0	70.0	34.0	-0-	1.1	2.0	140.0	1
85LFA04740	49.0	27.0	76.0	73.0	890.0	5.7	-0-	1700.0	3.0	63.0	44.0	4.0	2.6	2.0	165.0	1
85LFA04760	47.0	32.0	82.0	141.0	800.0	6.6	-0-	1100.0	7.0	53.0	110.0	6.0	2.6	2.0	118.0	1
85LFA04780	50.0	22.0	82.0	69.0	1000.0	5.9	-0-	1400.0	3.0	60.0	49.0	10.0	1.9	4.0	196.0	1
85LFA04830	39.0	21.0	82.0	68.0	1010.0	6.0	-0-	1100.0	3.0	65.0	40.0	5.0	1.9	2.0	180.0	1
85LFA04840	66.0	22.0	82.0	70.0	970.0	5.8	-0-	850.0	3.0	63.0	64.0	7.0	1.8	2.0	200.0	1
85LFA05000	43.0	26.0	62.0	59.0	1070.0	6.0	-0-	1000.0	3.0	55.0	58.0	15.0	2.9	4.0	195.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
85LFA05010	50.0	28.0	69.0	61.0	950.0	5.2	-0-	1100.0	2.0	55.0	162.0	18.0	1.3	4.0	180.0	1
85LFA05030	54.0	18.0	58.0	48.0	780.0	4.7	-0-	380.0	2.0	47.0	32.0	5.0	2.9	4.0	100.0	1
85LFA05060	22.0	22.0	72.0	40.0	800.0	5.4	-0-	1000.0	3.0	85.0	53.0	-0-	1.1	2.0	155.0	1
85LFA05090	25.0	20.0	87.0	30.0	700.0	6.3	-0-	600.0	1.0	70.0	24.0	3.0	0.6	2.0	138.0	1
85LFA05100	8.0	22.0	80.0	32.0	750.0	4.2	-0-	800.0	-0-	78.0	23.0	4.0	0.8	2.0	95.0	1
85LFA05110	14.0	22.0	68.0	36.0	750.0	2.8	-0-	500.0	3.0	85.0	16.0	1.0	0.7	2.0	95.0	1
85LFA05130	27.0	28.0	68.0	20.0	680.0	2.3	-0-	1000.0	4.0	45.0	19.0	4.0	2.0	2.0	92.0	1
85LFA05140	22.0	23.0	105.0	48.0	750.0	4.8	-0-	640.0	2.0	60.0	38.0	10.0	1.5	2.0	90.0	1
85LFA05150	25.0	17.0	60.0	53.0	750.0	5.0	-0-	2832.0	3.0	29.0	100.0	8.0	3.5	2.0	448.0	1
85LFA05180	19.0	22.0	60.0	130.0	590.0	4.3	-0-	780.0	6.0	55.0	28.0	2.0	1.5	4.0	200.0	1
85LFA05500	43.0	35.0	124.0	84.0	1140.0	6.8	-0-	1100.0	2.0	155.0	36.0	2.0	1.1	2.0	130.0	1
85LFA05510	13.0	23.0	104.0	40.0	870.0	4.8	-0-	550.0	2.0	130.0	19.0	6.0	1.5	2.0	95.0	1
85LFA05550	15.0	20.0	82.0	34.0	830.0	4.6	-0-	580.0	2.0	86.0	32.0	-0-	1.4	2.0	140.0	1
85LFA05560	10.0	18.0	56.0	106.0	600.0	3.6	-0-	660.0	2.0	60.0	26.0	3.0	1.8	2.0	150.0	1
85LFA05600	25.0	16.0	125.0	50.0	740.0	5.3	-0-	300.0	2.0	102.0	36.0	5.0	1.0	2.0	110.0	1
86LFA50000	58.0	21.0	75.0	65.0	570.0	4.4	265.0	630.0	3.0	70.0	51.0	-0-	1.4	4.0	149.0	1
86LFA50020	81.0	23.0	49.0	130.0	810.0	5.5	4125.0	3000.0	1.0	48.0	252.0	-0-	2.4	2.0	695.0	1
86LFA50040	20.0	25.0	47.0	52.0	850.0	4.3	170.0	1200.0	1.0	72.0	36.0	5.0	2.0	2.0	134.0	1
86LFA50040	-0-	27.0	72.0	43.0	-0-	6.0	-0-	1160.0	1.0	94.0	28.0	-0-	-0-	-0-	129.0	10
86LFA50050	37.0	28.0	63.0	63.0	780.0	5.1	515.0	3800.0	1.0	67.0	83.0	14.0	1.4	2.0	205.0	1
86LFA50070	54.0	18.0	66.0	53.0	640.0	4.1	90.0	530.0	2.0	63.0	37.0	1.0	3.4	2.0	115.0	1
86LFA50080	111.0	25.0	66.0	67.0	640.0	5.3	145.0	1000.0	5.0	63.0	54.0	7.0	2.5	2.0	175.0	1
86LFA50110	17.0	20.0	65.0	45.0	665.0	4.2	205.0	660.0	1.0	63.0	35.0	3.0	1.4	2.0	100.0	1
86LFA50110	15.0	22.0	74.0	1.0	-0-	6.1	-0-	660.0	1.0	65.0	24.0	1.0	0.5	1.0	115.0	10
86LFA50120	27.0	20.0	86.0	57.0	570.0	4.0	205.0	630.0	2.0	70.0	41.0	3.0	1.4	2.0	184.0	1
86LFA50130	27.0	15.0	100.0	296.0	700.0	4.3	250.0	430.0	3.0	80.0	344.0	6.0	1.7	2.0	219.0	1
86LFA50140	20.0	21.0	71.0	52.0	700.0	4.3	125.0	750.0	1.0	67.0	37.0	2.0	0.6	2.0	122.0	1
86LFA50150	22.0	20.0	69.0	33.0	620.0	4.4	175.0	620.0	1.0	54.0	58.0	8.0	3.0	2.0	263.0	1
86LFA50170	36.0	19.0	72.0	54.0	750.0	4.6	205.0	700.0	2.0	58.0	53.0	2.0	5.1	2.0	230.0	1
86LFA50180	35.0	18.0	80.0	55.0	640.0	4.5	245.0	580.0	2.0	69.0	50.0	9.0	3.6	2.0	181.0	1
86LFA50190	37.0	19.0	87.0	47.0	530.0	4.5	285.0	600.0	3.0	70.0	53.0	3.0	2.4	2.0	182.0	1
86LFA50200	52.0	17.0	67.0	31.0	590.0	4.3	145.0	340.0	2.0	55.0	38.0	4.0	1.0	2.0	158.0	1
86LFA50220	31.0	16.0	64.0	46.0	990.0	5.3	80.0	580.0	-0-	90.0	38.0	5.0	0.6	2.0	160.0	1
86LFA50230	126.0	25.0	85.0	80.0	570.0	5.3	80.0	860.0	3.0	99.0	48.0	2.0	3.0	2.0	209.0	1
86LFA50230	124.0	24.0	74.0	92.0	-0-	5.6	-0-	980.0	4.0	124.0	55.0	2.0	2.3	4.0	220.0	2
86LFA50230	-0-	28.0	100.0	76.0	-0-	6.2	-0-	880.0	2.0	117.0	47.0	-0-	-0-	-0-	210.0	10
86LFA50240	107.0	14.0	82.0	36.0	1000.0	5.6	70.0	1000.0	2.0	67.0	51.0	7.0	1.0	4.0	243.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA50240	70.0	20.0	96.0	38.0	-0-	6.3	-0-	920.0	6.0	77.0	36.0	2.0	1.8	1.0	350.0	10
86LFA50250	117.0	28.0	76.0	41.0	840.0	7.0	100.0	1800.0	2.0	59.0	37.0	8.0	0.6	4.0	173.0	1
86LFA50250	70.0	31.0	94.0	41.0	-0-	7.2	-0-	1480.0	6.0	67.0	28.0	1.0	1.5	3.0	188.0	10
86LFA50260	32.0	16.0	76.0	38.0	610.0	6.2	85.0	780.0	-0-	71.0	45.0	5.0	0.5	2.0	159.0	1
86LFA50260	23.0	24.0	88.0	38.0	-0-	6.8	-0-	720.0	2.0	75.0	34.0	1.0	1.2	2.0	175.0	10
86LFA50270	70.0	15.0	72.0	46.0	810.0	4.1	220.0	310.0	5.0	76.0	106.0	9.0	8.6	2.0	648.0	1
86LFA50280	137.0	33.0	82.0	90.0	670.0	9.8	265.0	2600.0	3.0	76.0	510.0	10.0	1.8	4.0	416.0	1
86LFA50290	27.0	18.0	60.0	18.0	800.0	4.4	25.0	1800.0	-0-	46.0	28.0	3.0	0.4	2.0	159.0	1
86LFA50290	20.0	22.0	92.0	20.0	-0-	5.3	-0-	1720.0	2.0	56.0	23.0	1.0	0.8	1.0	185.0	10
86LFA50300	28.0	24.0	82.0	57.0	750.0	4.6	125.0	1300.0	1.0	76.0	48.0	5.0	0.6	2.0	158.0	1
86LFA50300	28.0	22.0	62.0	67.0	-0-	5.8	-0-	1500.0	-0-	90.0	60.0	2.0	1.0	2.0	189.0	2
86LFA50300	-0-	26.0	98.0	55.0	-0-	7.0	-0-	1240.0	2.0	86.0	51.0	-0-	-0-	-0-	191.0	10
86LFA50320	12.0	20.0	79.0	44.0	700.0	4.0	125.0	680.0	2.0	69.0	22.0	-0-	0.6	2.0	112.0	1
86LFA50320	15.0	21.0	62.0	52.0	-0-	5.4	-0-	760.0	1.0	86.0	26.0	3.0	0.8	2.0	173.0	2
86LFA50320	-0-	25.0	96.0	43.0	-0-	6.2	-0-	760.0	1.0	81.0	21.0	-0-	-0-	-0-	141.0	10
86LFA50330	15.0	25.0	75.0	50.0	720.0	4.9	80.0	820.0	1.0	69.0	23.0	4.0	0.6	2.0	105.0	1
86LFA50330	19.0	22.0	62.0	53.0	-0-	6.4	-0-	780.0	-0-	87.0	27.0	7.0	0.5	2.0	140.0	2
86LFA50330	-0-	25.0	92.0	44.0	-0-	6.4	-0-	780.0	1.0	82.0	20.0	-0-	-0-	-0-	128.0	10
86LFA50350	15.0	22.0	79.0	30.0	850.0	4.3	40.0	820.0	1.0	60.0	17.0	9.0	0.6	2.0	106.0	1
86LFA50350	16.0	23.0	88.0	1.0	-0-	5.8	-0-	800.0	1.0	67.0	13.0	1.0	0.8	1.0	130.0	10
86LFA50360	20.0	32.0	86.0	62.0	810.0	4.5	135.0	880.0	1.0	91.0	28.0	-0-	0.6	2.0	191.0	1
86LFA50360	25.0	28.0	76.0	77.0	-0-	6.3	-0-	1000.0	-0-	111.0	37.0	-0-	0.5	2.0	231.0	2
86LFA50360	-0-	34.0	104.0	62.0	-0-	6.9	-0-	940.0	1.0	104.0	27.0	-0-	-0-	-0-	232.0	10
86LFA50360	-0-	34.0	106.0	63.0	-0-	7.1	-0-	960.0	1.0	104.0	27.0	-0-	-0-	-0-	230.0	11
86LFA50370	70.0	18.0	76.0	52.0	880.0	6.5	95.0	780.0	-0-	73.0	66.0	6.0	0.6	2.0	167.0	1
86LFA50370	51.0	25.0	94.0	55.0	-0-	7.3	-0-	780.0	4.0	82.0	45.0	1.0	1.0	1.0	185.0	10
86LFA50380	34.0	20.0	72.0	61.0	920.0	6.1	65.0	1100.0	-0-	80.0	25.0	8.0	0.4	2.0	155.0	1
86LFA50380	25.0	24.0	98.0	56.0	-0-	7.1	-0-	1020.0	2.0	81.0	21.0	1.0	1.0	1.0	161.0	10
86LFA50390	36.0	41.0	93.0	78.0	500.0	4.2	285.0	820.0	3.0	68.0	270.0	3.0	10.1	2.0	318.0	1
86LFA50400	41.0	22.0	94.0	55.0	780.0	4.4	115.0	700.0	3.0	69.0	75.0	6.0	4.0	2.0	175.0	1
86LFA50400	-0-	27.0	102.0	55.0	-0-	6.5	-0-	740.0	2.0	84.0	67.0	-0-	-0-	-0-	206.0	10
86LFA50410	24.0	19.0	84.0	33.0	750.0	4.0	100.0	800.0	4.0	68.0	46.0	6.0	6.4	2.0	207.0	1
86LFA50410	23.0	20.0	92.0	2.0	-0-	5.9	-0-	880.0	2.0	76.0	44.0	2.0	4.4	1.0	231.0	10
86LFA50420	21.0	17.0	76.0	39.0	700.0	5.5	75.0	800.0	-0-	84.0	30.0	6.0	0.4	1.0	159.0	1
86LFA50420	11.0	22.0	100.0	39.0	-0-	6.6	-0-	740.0	1.0	82.0	23.0	1.0	0.8	1.0	164.0	10
86LFA50430	29.0	7.0	52.0	25.0	715.0	5.9	150.0	370.0	1.0	33.0	39.0	5.0	1.9	4.0	122.0	1
86LFA50440	99.0	19.0	64.0	45.0	800.0	5.8	65.0	880.0	-0-	76.0	36.0	1.0	0.6	1.0	119.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA50440	70.0	24.0	90.0	45.0	-0-	6.5	-0-	820.0	1.0	76.0	23.0	1.0	0.6	1.0	126.0	10
86LFA50450	232.0	27.0	71.0	72.0	750.0	4.2	100.0	2300.0	1.0	64.0	584.0	23.0	2.0	2.0	525.0	1
86LFA50460	57.0	27.0	85.0	104.0	780.0	5.5	90.0	1300.0	2.0	68.0	33.0	2.0	1.0	2.0	144.0	1
86LFA50460	56.0	23.0	62.0	125.0	-0-	6.6	-0-	1400.0	-0-	79.0	37.0	6.0	0.5	2.0	168.0	2
86LFA50460	-0-	27.0	104.0	97.0	-0-	6.2	-0-	1160.0	1.0	77.0	32.0	-0-	-0-	-0-	154.0	10
86LFA50470	20.0	28.0	78.0	54.0	810.0	4.6	110.0	900.0	2.0	68.0	22.0	7.0	0.6	2.0	112.0	1
86LFA50470	18.0	23.0	64.0	63.0	-0-	6.4	-0-	900.0	-0-	82.0	28.0	8.0	0.5	2.0	157.0	2
86LFA50470	-0-	27.0	102.0	53.0	-0-	6.2	-0-	880.0	1.0	80.0	23.0	-0-	-0-	-0-	119.0	10
86LFA50480	18.0	22.0	72.0	50.0	810.0	4.3	80.0	920.0	1.0	70.0	21.0	7.0	0.6	2.0	101.0	1
86LFA50480	19.0	23.0	58.0	60.0	-0-	6.0	-0-	950.0	-0-	85.0	24.0	2.0	0.4	2.0	165.0	2
86LFA50480	-0-	26.0	100.0	50.0	-0-	6.1	-0-	940.0	2.0	82.0	18.0	-0-	-0-	-0-	126.0	10
86LFA50490	40.0	31.0	88.0	54.0	590.0	3.9	120.0	1300.0	2.0	75.0	147.0	2.0	1.4	2.0	231.0	1
86LFA50490	-0-	34.0	102.0	56.0	-0-	5.6	-0-	1460.0	1.0	85.0	141.0	-0-	-0-	-0-	224.0	10
86LFA50510	93.0	18.0	87.0	29.0	810.0	4.6	125.0	2400.0	2.0	72.0	74.0	10.0	2.0	2.0	2105.0	1
86LFA50510	-0-	22.0	114.0	28.0	-0-	7.2	-0-	2000.0	1.0	96.0	78.0	-0-	-0-	-0-	2180.0	10
86LFA50520	24.0	23.0	84.0	50.0	700.0	4.7	80.0	800.0	2.0	81.0	24.0	7.0	0.6	2.0	107.0	1
86LFA50520	26.0	24.0	74.0	56.0	-0-	5.5	-0-	780.0	1.0	89.0	24.0	5.0	0.8	2.0	132.0	2
86LFA50520	-0-	26.0	98.0	48.0	-0-	5.6	-0-	760.0	2.0	86.0	23.0	-0-	-0-	-0-	120.0	10
86LFA50530	41.0	23.0	86.0	57.0	590.0	4.4	55.0	770.0	-0-	81.0	30.0	10.0	0.8	2.0	103.0	1
86LFA50530	34.0	20.0	78.0	56.0	-0-	5.2	-0-	700.0	1.0	93.0	37.0	-0-	0.5	2.0	145.0	2
86LFA50530	-0-	25.0	104.0	58.0	-0-	5.9	-0-	730.0	2.0	88.0	29.0	5.0	-0-	-0-	123.0	10
86LFA50540	50.0	25.0	82.0	73.0	780.0	4.6	55.0	800.0	1.0	66.0	31.0	5.0	1.0	2.0	97.0	1
86LFA50540	49.0	23.0	72.0	75.0	-0-	5.6	-0-	840.0	-0-	84.0	34.0	6.0	0.4	2.0	144.0	2
86LFA50540	-0-	26.0	94.0	73.0	-0-	5.6	-0-	770.0	1.0	76.0	28.0	-0-	-0-	-0-	121.0	10
86LFA50550	31.0	17.0	88.0	59.0	720.0	4.4	80.0	720.0	-0-	67.0	24.0	2.0	2.0	2.0	112.0	1
86LFA50550	30.0	19.0	64.0	59.0	-0-	6.0	-0-	760.0	-0-	86.0	30.0	2.0	0.8	4.0	166.0	2
86LFA50550	-0-	24.0	102.0	59.0	-0-	5.9	-0-	700.0	1.0	85.0	21.0	-0-	-0-	-0-	128.0	10
86LFA50560	77.0	26.0	94.0	81.0	665.0	4.1	90.0	1000.0	1.0	73.0	37.0	4.0	2.0	2.0	96.0	1
86LFA50560	-0-	29.0	100.0	78.0	-0-	5.0	-0-	1060.0	1.0	87.0	33.0	-0-	-0-	-0-	115.0	10
86LFA50570	96.0	24.0	88.0	65.0	700.0	3.9	100.0	1600.0	1.0	89.0	63.0	6.0	1.4	2.0	127.0	1
86LFA50590	77.0	18.0	99.0	72.0	720.0	5.5	100.0	900.0	-0-	93.0	37.0	4.0	0.6	2.0	117.0	1
86LFA50600	18.0	21.0	103.0	43.0	700.0	4.2	100.0	580.0	1.0	78.0	26.0	2.0	1.0	2.0	107.0	1
86LFA50600	17.0	24.0	102.0	1.0	-0-	6.1	-0-	640.0	1.0	85.0	20.0	1.0	0.6	1.0	118.0	10
86LFA50610	24.0	20.0	93.0	60.0	750.0	4.7	205.0	820.0	4.0	69.0	24.0	6.0	2.4	2.0	176.0	1
86LFA50610	17.0	26.0	100.0	2.0	-0-	7.5	-0-	980.0	2.0	73.0	16.0	1.0	0.8	1.0	210.0	10
86LFA50620	126.0	21.0	74.0	68.0	2100.0	5.4	295.0	3000.0	-0-	69.0	122.0	1.0	1.0	2.0	579.0	1
86LFA50630	27.0	19.0	83.0	48.0	665.0	4.0	100.0	960.0	1.0	77.0	31.0	5.0	2.0	2.0	111.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA50630	-0-	26.0	96.0	49.0	-0-	5.6	-0-	1020.0	1.0	86.0	31.0	-0-	-0-	-0-	143.0	10
86LFA50640	23.0	17.0	83.0	52.0	640.0	4.9	235.0	860.0	1.0	57.0	32.0	6.0	2.2	2.0	134.0	1
86LFA50650	15.0	22.0	88.0	56.0	720.0	4.5	100.0	940.0	1.0	89.0	22.0	3.0	3.6	2.0	120.0	1
86LFA50660	15.0	23.0	85.0	56.0	665.0	4.5	100.0	760.0	1.0	94.0	21.0	2.0	3.2	2.0	126.0	1
86LFA50670	23.0	21.0	97.0	58.0	665.0	4.4	120.0	640.0	1.0	74.0	26.0	3.0	2.0	2.0	101.0	1
86LFA50680	136.0	27.0	88.0	92.0	1050.0	5.6	120.0	1500.0	1.0	85.0	83.0	2.0	1.4	2.0	167.0	1
86LFA50680	-0-	29.0	104.0	82.0	-0-	6.7	-0-	1260.0	1.0	89.0	71.0	-0-	-0-	-0-	255.0	10
86LFA50690	33.0	22.0	70.0	71.0	880.0	3.5	80.0	820.0	1.0	55.0	23.0	5.0	1.4	2.0	104.0	1
86LFA50700	31.0	23.0	85.0	66.0	1150.0	4.7	100.0	770.0	-0-	77.0	19.0	1.0	2.0	2.0	98.0	1
86LFA50720	41.0	26.0	66.0	72.0	810.0	4.9	190.0	1800.0	-0-	64.0	25.0	6.0	0.5	2.0	121.0	1
86LFA50720	38.0	30.0	84.0	1.0	-0-	7.3	-0-	1620.0	1.0	73.0	20.0	1.0	0.8	1.0	124.0	10
86LFA50730	28.0	24.0	71.0	59.0	920.0	4.9	90.0	1200.0	-0-	61.0	19.0	2.0	0.6	2.0	124.0	1
86LFA50730	24.0	27.0	84.0	1.0	-0-	6.7	-0-	1120.0	1.0	71.0	17.0	1.0	0.7	1.0	125.0	10
86LFA50750	41.0	26.0	93.0	91.0	880.0	5.2	145.0	940.0	-0-	67.0	23.0	3.0	0.8	2.0	141.0	1
86LFA50750	38.0	28.0	98.0	2.0	-0-	7.3	-0-	1120.0	2.0	78.0	18.0	2.0	0.8	1.0	156.0	10
86LFA50760	28.0	28.0	84.0	86.0	970.0	5.0	90.0	1700.0	1.0	72.0	27.0	5.0	0.9	2.0	138.0	1
86LFA50760	23.0	31.0	96.0	1.0	-0-	7.4	-0-	1490.0	1.0	76.0	21.0	1.0	0.8	1.0	133.0	10
86LFA50770	33.0	29.0	75.0	75.0	810.0	4.6	110.0	1400.0	1.0	79.0	45.0	1.0	1.1	2.0	194.0	1
86LFA50770	22.0	33.0	90.0	1.0	-0-	6.2	-0-	1300.0	1.0	80.0	37.0	1.0	0.9	1.0	207.0	10
86LFA50800	26.0	23.0	79.0	58.0	720.0	4.5	80.0	700.0	1.0	77.0	21.0	5.0	0.9	2.0	115.0	1
86LFA50800	19.0	24.0	88.0	1.0	-0-	6.2	-0-	800.0	1.0	78.0	17.0	1.0	0.6	1.0	130.0	10
86LFA50810	54.0	15.0	66.0	66.0	810.0	3.7	65.0	490.0	1.0	51.0	36.0	3.0	1.4	2.0	113.0	1
86LFA50850	61.0	21.0	130.0	73.0	720.0	4.8	100.0	950.0	-0-	49.0	28.0	4.0	0.5	2.0	122.0	1
86LFA50870	33.0	40.0	128.0	154.0	920.0	5.3	60.0	1800.0	3.0	82.0	38.0	-0-	2.2	2.0	138.0	1
86LFA50880	81.0	26.0	130.0	86.0	750.0	5.0	80.0	1400.0	1.0	74.0	43.0	9.0	1.4	2.0	128.0	1
86LFA50910	83.0	30.0	63.0	88.0	880.0	5.4	100.0	2000.0	1.0	62.0	123.0	5.0	0.8	2.0	239.0	1
86LFA50920	34.0	25.0	89.0	72.0	1000.0	5.1	120.0	1400.0	1.0	70.0	25.0	5.0	1.0	2.0	151.0	1
86LFA50930	28.0	25.0	95.0	71.0	810.0	4.6	120.0	880.0	1.0	74.0	24.0	-0-	0.5	2.0	120.0	1
86LFA50940	33.0	17.0	92.0	36.0	850.0	4.8	80.0	580.0	1.0	54.0	17.0	5.0	0.5	2.0	290.0	1
86LFA50980	81.0	11.0	77.0	44.0	390.0	5.9	145.0	540.0	1.0	27.0	9.0	4.0	0.8	2.0	72.0	1
86LFA50990	40.0	22.0	74.0	55.0	720.0	4.0	100.0	1000.0	1.0	84.0	38.0	3.0	0.5	2.0	157.0	1
86LFA50990	-0-	30.0	92.0	53.0	-0-	6.2	-0-	1040.0	1.0	90.0	37.0	-0-	-0-	-0-	203.0	10
86LFA51000	31.0	12.0	69.0	48.0	770.0	4.9	60.0	620.0	2.0	50.0	19.0	6.0	0.7	2.0	157.0	1
86LFA51010	46.0	20.0	81.0	72.0	770.0	4.9	60.0	1200.0	2.0	76.0	21.0	4.0	1.0	2.0	310.0	1
86LFA51020	40.0	26.0	123.0	62.0	610.0	4.3	60.0	650.0	1.0	93.0	56.0	6.0	0.7	2.0	157.0	1
86LFA51040	42.0	24.0	111.0	70.0	685.0	4.7	40.0	1100.0	-0-	68.0	82.0	4.0	0.9	2.0	274.0	1
86LFA51060	39.0	19.0	78.0	58.0	540.0	4.9	120.0	440.0	2.0	55.0	27.0	10.0	1.5	2.0	141.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA51070	17.0	18.0	77.0	40.0	690.0	4.6	20.0	1100.0	1.0	69.0	19.0	6.0	0.5	2.0	105.0	1
86LFA51080	26.0	19.0	85.0	42.0	790.0	4.3	80.0	700.0	1.0	68.0	22.0	4.0	0.6	2.0	133.0	1
86LFA51090	93.0	17.0	70.0	37.0	1000.0	5.1	55.0	700.0	-0-	116.0	30.0	3.0	1.0	2.0	205.0	1
86LFA51100	22.0	18.0	92.0	41.0	710.0	4.2	130.0	500.0	-0-	87.0	34.0	3.0	0.7	2.0	152.0	1
86LFA51110	25.0	11.0	68.0	25.0	630.0	5.3	55.0	840.0	-0-	43.0	31.0	8.0	0.5	2.0	121.0	1
86LFA51120	30.0	17.0	84.0	53.0	810.0	4.7	55.0	680.0	1.0	76.0	30.0	5.0	0.3	2.0	114.0	1
86LFA51120	24.0	23.0	98.0	1.0	-0-	6.3	-0-	720.0	1.0	73.0	23.0	1.0	1.0	1.0	125.0	10
86LFA51130	42.0	15.0	68.0	31.0	800.0	5.3	85.0	390.0	1.0	65.0	42.0	3.0	1.0	1.0	153.0	1
86LFA51130	30.0	20.0	100.0	36.0	-0-	6.0	-0-	390.0	4.0	68.0	34.0	2.0	0.6	1.0	180.0	10
86LFA51140	43.0	23.0	87.0	62.0	780.0	4.4	75.0	900.0	-0-	86.0	37.0	4.0	0.3	2.0	149.0	1
86LFA51140	-0-	30.0	102.0	59.0	-0-	6.6	-0-	900.0	1.0	86.0	33.0	-0-	-0-	-0-	163.0	10
86LFA51150	20.0	17.0	98.0	36.0	670.0	4.2	70.0	600.0	1.0	82.0	23.0	3.0	0.9	2.0	124.0	1
86LFA51150	-0-	23.0	104.0	35.0	-0-	6.2	-0-	700.0	2.0	80.0	20.0	-0-	-0-	-0-	154.0	10
86LFA51160	79.0	20.0	78.0	74.0	880.0	6.0	125.0	1100.0	-0-	10.0	41.0	6.0	0.8	2.0	173.0	1
86LFA51160	57.0	24.0	98.0	75.0	-0-	7.1	-0-	1120.0	1.0	110.0	33.0	1.0	0.8	1.0	157.0	10
86LFA51160	60.0	24.0	106.0	74.0	-0-	7.3	-0-	1080.0	3.0	110.0	31.0	1.0	1.0	1.0	185.0	11
86LFA51170	28.0	15.0	68.0	24.0	1000.0	3.9	130.0	960.0	-0-	41.0	39.0	3.0	0.3	2.0	94.0	1
86LFA51180	32.0	14.0	71.0	45.0	685.0	4.5	210.0	440.0	1.0	40.0	31.0	5.0	0.3	2.0	263.0	1
86LFA51190	27.0	16.0	79.0	63.0	745.0	3.9	205.0	320.0	-0-	58.0	31.0	5.0	0.7	2.0	94.0	1
86LFA51210	78.0	21.0	101.0	61.0	600.0	3.8	265.0	300.0	2.0	75.0	32.0	-0-	1.2	2.0	67.0	1
86LFA51220	64.0	17.0	75.0	51.0	745.0	4.2	180.0	740.0	2.0	66.0	55.0	2.0	1.9	2.0	185.0	1
86LFA51230	101.0	15.0	85.0	56.0	640.0	4.4	190.0	590.0	2.0	52.0	98.0	10.0	1.6	2.0	150.0	1
86LFA51240	87.0	31.0	94.0	39.0	745.0	4.2	90.0	1300.0	3.0	77.0	41.0	2.0	1.4	2.0	173.0	1
86LFA51250	13.0	11.0	86.0	26.0	840.0	3.0	60.0	480.0	1.0	60.0	25.0	3.0	1.4	2.0	156.0	1
86LFA51260	51.0	16.0	78.0	37.0	685.0	4.6	160.0	360.0	1.0	59.0	41.0	5.0	1.1	2.0	380.0	1
86LFA51270	21.0	17.0	74.0	64.0	925.0	3.5	275.0	450.0	-0-	69.0	37.0	4.0	1.5	2.0	194.0	1
86LFA51280	71.0	23.0	99.0	88.0	850.0	4.4	140.0	1300.0	1.0	86.0	46.0	7.0	2.0	2.0	169.0	1
86LFA51290	88.0	20.0	111.0	59.0	865.0	4.4	160.0	1000.0	1.0	86.0	72.0	4.0	0.9	2.0	290.0	1
86LFA51300	43.0	15.0	84.0	25.0	820.0	3.4	110.0	1300.0	1.0	55.0	53.0	12.0	1.6	2.0	141.0	1
86LFA51310	26.0	25.0	74.0	22.0	1070.0	4.1	80.0	2800.0	2.0	41.0	31.0	4.0	0.5	2.0	136.0	1
86LFA51320	51.0	16.0	67.0	42.0	700.0	4.7	95.0	540.0	1.0	46.0	132.0	8.0	0.7	2.0	101.0	1
86LFA51330	33.0	22.0	93.0	60.0	790.0	4.5	75.0	1200.0	-0-	81.0	28.0	-0-	1.1	2.0	77.0	1
86LFA51340	46.0	23.0	84.0	63.0	1030.0	4.5	80.0	920.0	1.0	77.0	53.0	5.0	0.7	2.0	92.0	1
86LFA51350	15.0	19.0	77.0	31.0	970.0	4.6	60.0	390.0	3.0	55.0	21.0	1.0	1.0	2.0	62.0	1
86LFA51360	34.0	19.0	79.0	38.0	680.0	5.3	85.0	990.0	2.0	51.0	32.0	7.0	0.6	2.0	136.0	1
86LFA51370	34.0	25.0	113.0	88.0	850.0	5.0	125.0	2200.0	2.0	88.0	34.0	4.0	0.5	2.0	178.0	1
86LFA51380	24.0	19.0	90.0	47.0	970.0	3.9	65.0	820.0	1.0	99.0	24.0	8.0	0.7	2.0	161.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA51390	28.0	16.0	79.0	36.0	820.0	4.2	120.0	860.0	2.0	42.0	27.0	5.0	0.3	2.0	164.0	1
86LFA51400	40.0	16.0	70.0	38.0	745.0	4.5	120.0	830.0	2.0	46.0	32.0	5.0	0.6	2.0	197.0	1
86LFA51410	22.0	17.0	82.0	50.0	880.0	4.0	90.0	1400.0	2.0	54.0	25.0	4.0	0.9	2.0	172.0	1
86LFA51420	39.0	27.0	115.0	99.0	940.0	4.1	160.0	1900.0	2.0	87.0	26.0	3.0	1.1	2.0	160.0	1
86LFA51430	37.0	23.0	100.0	38.0	790.0	4.4	140.0	980.0	2.0	57.0	25.0	2.0	0.9	2.0	200.0	1
86LFA51440	46.0	20.0	101.0	44.0	940.0	4.0	105.0	960.0	1.0	78.0	32.0	10.0	1.4	2.0	206.0	1
86LFA51450	37.0	23.0	93.0	56.0	820.0	4.0	100.0	1400.0	2.0	78.0	35.0	3.0	1.2	2.0	169.0	1
86LFA51460	85.0	16.0	80.0	51.0	880.0	6.0	80.0	620.0	-0-	81.0	47.0	7.0	0.8	2.0	157.0	1
86LFA51460	60.0	21.0	96.0	50.0	-0-	6.8	-0-	620.0	1.0	86.0	35.0	1.0	1.0	1.0	158.0	10
86LFA51460	70.0	22.0	104.0	49.0	-0-	6.8	-0-	610.0	2.0	86.0	31.0	1.0	1.0	1.0	172.0	11
86LFA51470	85.0	16.0	64.0	29.0	800.0	4.9	80.0	530.0	1.0	74.0	55.0	11.0	1.6	1.0	203.0	1
86LFA51470	64.0	17.0	72.0	36.0	-0-	5.2	-0-	540.0	2.0	91.0	55.0	8.0	1.5	2.0	248.0	2
86LFA51470	-0-	22.0	100.0	35.0	-0-	5.7	-0-	540.0	1.0	89.0	45.0	-0-	-0-	-0-	280.0	10
86LFA51480	39.0	21.0	74.0	63.0	920.0	5.8	65.0	1200.0	-0-	81.0	30.0	2.0	1.0	1.0	155.0	1
86LFA51480	31.0	22.0	76.0	67.0	-0-	6.0	-0-	1200.0	1.0	90.0	33.0	1.0	1.5	2.0	194.0	2
86LFA51480	-0-	26.0	104.0	64.0	-0-	6.6	-0-	1140.0	2.0	83.0	27.0	-0-	-0-	-0-	163.0	10
86LFA51480	29.0	26.0	102.0	65.0	-0-	6.8	-0-	1180.0	1.0	84.0	24.0	1.0	1.0	1.0	159.0	11
86LFA51490	42.0	22.0	90.0	64.0	925.0	4.0	120.0	1100.0	1.0	68.0	30.0	10.0	1.1	2.0	140.0	1
86LFA51500	24.0	24.0	78.0	80.0	1000.0	4.5	140.0	1200.0	2.0	62.0	28.0	10.0	0.9	2.0	174.0	1
86LFA51500	-0-	31.0	102.0	80.0	-0-	7.3	-0-	1160.0	3.0	72.0	26.0	-0-	-0-	-0-	165.0	10
86LFA51510	33.0	22.0	81.0	44.0	850.0	3.9	110.0	1300.0	1.0	65.0	28.0	6.0	0.9	2.0	186.0	1
86LFA51560	31.0	21.0	54.0	49.0	870.0	3.6	1250.0	860.0	-0-	68.0	77.0	3.0	0.6	2.0	396.0	1
86LFA51570	19.0	14.0	43.0	35.0	840.0	2.6	475.0	700.0	-0-	54.0	39.0	1.0	0.7	2.0	309.0	1
86LFA51580	14.0	20.0	86.0	38.0	760.0	4.2	75.0	700.0	1.0	91.0	16.0	4.0	0.7	2.0	88.0	1
86LFA51580	-0-	25.0	110.0	49.0	-0-	7.0	-0-	820.0	1.0	106.0	13.0	-0-	-0-	-0-	119.0	10
86LFA51590	19.0	22.0	90.0	50.0	770.0	4.4	70.0	780.0	1.0	94.0	14.0	2.0	0.5	2.0	100.0	1
86LFA51600	17.0	23.0	86.0	39.0	700.0	3.8	55.0	100.0	1.0	87.0	17.0	7.0	0.5	2.0	86.0	1
86LFA51610	24.0	20.0	95.0	45.0	720.0	4.0	85.0	920.0	1.0	94.0	24.0	2.0	0.7	2.0	108.0	1
86LFA51620	21.0	25.0	88.0	58.0	730.0	3.3	140.0	1600.0	1.0	93.0	31.0	6.0	0.7	2.0	92.0	1
86LFA51620	-0-	29.0	108.0	60.0	-0-	5.7	-0-	1600.0	1.0	102.0	28.0	-0-	-0-	-0-	107.0	10
86LFA51630	16.0	21.0	93.0	38.0	650.0	3.8	50.0	650.0	1.0	88.0	20.0	-0-	0.5	2.0	89.0	1
86LFA51630	-0-	26.0	102.0	35.0	-0-	5.7	-0-	740.0	1.0	99.0	16.0	-0-	-0-	-0-	97.0	10
86LFA51640	24.0	21.0	115.0	32.0	630.0	3.6	130.0	560.0	2.0	89.0	28.0	6.0	1.0	2.0	87.0	1
86LFA51650	19.0	22.0	87.0	60.0	710.0	4.1	110.0	1500.0	1.0	73.0	23.0	1.0	0.7	2.0	101.0	1
86LFA51660	28.0	25.0	93.0	35.0	710.0	3.5	60.0	700.0	1.0	104.0	27.0	-0-	1.2	2.0	91.0	1
86LFA51670	14.0	27.0	94.0	74.0	970.0	6.6	200.0	1050.0	-0-	141.0	22.0	-0-	0.6	2.0	151.0	1
86LFA51670	9.0	31.0	122.0	74.0	-0-	8.2	-0-	1300.0	1.0	121.0	17.0	1.0	0.6	1.0	151.0	10

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA51680	11.0	28.0	100.0	89.0	820.0	6.2	135.0	1200.0	-0-	137.0	42.0	2.0	0.2	1.0	159.0	1
86LFA51690	9.0	25.0	92.0	51.0	890.0	5.7	90.0	980.0	1.0	143.0	21.0	4.0	1.0	1.0	102.0	1
86LFA51690	6.0	29.0	112.0	50.0	-0-	6.6	-0-	1040.0	1.0	128.0	14.0	1.0	0.4	1.0	103.0	10
86LFA51700	17.0	21.0	86.0	55.0	670.0	4.4	60.0	780.0	-0-	90.0	36.0	1.0	1.0	2.0	121.0	1
86LFA51710	11.0	23.0	60.0	35.0	615.0	3.9	110.0	1250.0	2.0	69.0	21.0	5.0	1.0	2.0	80.0	1
86LFA51720	11.0	17.0	72.0	29.0	670.0	4.9	175.0	510.0	1.0	92.0	27.0	2.0	0.6	2.0	112.0	1
86LFA51730	12.0	6.0	50.0	14.0	460.0	4.8	270.0	230.0	4.0	27.0	19.0	7.0	1.8	4.0	113.0	1
86LFA51740	14.0	15.0	58.0	25.0	670.0	4.7	135.0	330.0	1.0	75.0	31.0	3.0	0.3	2.0	76.0	1
86LFA51750	9.0	17.0	84.0	29.0	700.0	4.1	95.0	350.0	-0-	96.0	15.0	4.0	0.6	1.0	100.0	1
86LFA51760	13.0	22.0	84.0	63.0	670.0	5.2	80.0	1300.0	-0-	107.0	18.0	-0-	-0-	2.0	100.0	1
86LFA51760	15.0	25.0	104.0	66.0	-0-	6.7	-0-	1300.0	2.0	90.0	11.0	1.0	0.2	1.0	104.0	10
86LFA51770	11.0	19.0	82.0	29.0	615.0	4.5	65.0	510.0	-0-	100.0	21.0	-0-	0.3	2.0	110.0	1
86LFA51780	62.0	23.0	72.0	71.0	1125.0	6.5	85.0	1350.0	3.0	56.0	79.0	11.0	4.6	6.0	152.0	1
86LFA51790	101.0	24.0	76.0	73.0	890.0	6.1	360.0	1000.0	5.0	54.0	142.0	13.0	8.5	6.0	284.0	1
86LFA51800	148.0	29.0	84.0	64.0	930.0	7.3	95.0	2400.0	7.0	50.0	102.0	10.0	10.0	6.0	227.0	1
86LFA51800	60.0	33.0	88.0	6.0	-0-	10.0	-0-	2100.0	6.0	58.0	87.0	2.0	9.0	2.0	218.0	10
86LFA51810	238.0	37.0	82.0	530.0	100.0	6.9	170.0	1600.0	8.0	49.0	2440.0	7.0	2.7	6.0	396.0	1
86LFA51810	160.0	40.0	68.0	9.0	-0-	9.2	-0-	1480.0	9.0	48.0	1540.0	2.0	3.7	1.0	322.0	10
86LFA51820	42.0	15.0	84.0	55.0	530.0	6.6	190.0	300.0	4.0	38.0	56.0	6.0	4.0	4.0	90.0	1
86LFA51830	104.0	29.0	80.0	88.0	930.0	6.2	155.0	2100.0	4.0	67.0	94.0	4.0	3.4	6.0	180.0	1
86LFA51830	-0-	33.0	96.0	81.0	-0-	8.0	-0-	2000.0	3.0	73.0	78.0	-0-	-0-	-0-	195.0	10
86LFA51840	112.0	17.0	66.0	71.0	570.0	5.9	230.0	740.0	6.0	49.0	91.0	8.0	2.0	6.0	201.0	1
86LFA51850	640.0	18.0	68.0	29.0	570.0	5.9	355.0	660.0	3.0	28.0	56.0	9.0	1.4	4.0	452.0	1
86LFA51860	125.0	14.0	90.0	163.0	930.0	6.9	85.0	640.0	3.0	41.0	207.0	2.0	4.0	6.0	156.0	1
86LFA51870	91.0	24.0	80.0	81.0	1100.0	5.7	125.0	1400.0	3.0	60.0	121.0	10.0	27.0	6.0	184.0	1
86LFA51870	-0-	29.0	96.0	80.0	-0-	7.4	-0-	1200.0	2.0	68.0	100.0	-0-	-0-	-0-	109.0	10
86LFA51880	60.0	26.0	56.0	80.0	1125.0	5.5	75.0	920.0	2.0	62.0	58.0	8.0	4.0	6.0	128.0	1
86LFA51880	43.0	29.0	66.0	1.0	-0-	6.8	-0-	940.0	1.0	65.0	46.0	2.0	3.6	4.0	130.0	10
86LFA51890	53.0	28.0	48.0	77.0	1200.0	5.3	25.0	1400.0	2.0	58.0	60.0	7.0	5.8	6.0	160.0	1
86LFA51890	51.0	26.0	44.0	80.0	-0-	6.0	-0-	1400.0	1.0	67.0	56.0	9.0	4.0	4.0	209.0	2
86LFA51890	-0-	32.0	70.0	77.0	-0-	7.4	-0-	1420.0	1.0	66.0	49.0	-0-	-0-	-0-	173.0	10
86LFA51890	-0-	34.0	68.0	76.0	-0-	7.6	-0-	1420.0	1.0	68.0	48.0	-0-	-0-	-0-	175.0	11
86LFA51900	57.0	34.0	80.0	108.0	930.0	6.7	215.0	2000.0	3.0	69.0	73.0	3.0	2.3	4.0	177.0	1
86LFA51900	36.0	38.0	80.0	4.0	-0-	7.8	-0-	2000.0	4.0	70.0	56.0	1.0	2.7	1.0	178.0	10
86LFA51900	48.0	23.0	64.0	84.0	930.0	6.5	75.0	1450.0	2.0	58.0	57.0	2.0	2.0	4.0	161.0	1
86LFA51900	48.0	22.0	61.0	87.0	-0-	7.0	-0-	1400.0	2.0	64.0	52.0	7.0	1.7	2.0	216.0	2
86LFA51900	-0-	26.0	78.0	78.0	-0-	8.0	-0-	1340.0	1.0	63.0	44.0	-0-	-0-	-0-	173.0	10

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA51920	49.0	37.0	34.0	245.0	1400.0	5.9	75.0	2300.0	20.0	71.0	191.0	5.0	5.1	8.0	197.0	1
86LFA51920	-0	45.0	60.0	251.0	-0	6.8	-0	2100.0	22.0	74.0	176.0	-0	-0	-0	210.0	10
86LFA51930	103.0	16.0	76.0	91.0	850.0	7.5	250.0	660.0	6.0	45.0	124.0	8.0	1.8	6.0	206.0	1
86LFA51940	63.0	27.0	82.0	63.0	930.0	5.6	90.0	1600.0	3.0	69.0	76.0	1.0	3.1	6.0	274.0	1
86LFA51950	86.0	27.0	82.0	65.0	790.0	5.7	230.0	1300.0	3.0	53.0	101.0	13.0	3.1	6.0	176.0	1
86LFA51950	-0	29.0	94.0	64.0	-0	7.7	-0	1240.0	4.0	60.0	86.0	-0	-0	-0	185.0	10
86LFA51960	66.0	23.0	64.0	69.0	850.0	5.6	150.0	1500.0	4.0	51.0	100.0	7.0	2.7	6.0	225.0	1
86LFA51960	35.0	25.0	70.0	5.0	-0	6.8	-0	1480.0	5.0	58.0	89.0	1.0	3.2	2.0	217.0	10
86LFA51970	65.0	22.0	60.0	76.0	850.0	5.3	60.0	1550.0	3.0	50.0	82.0	6.0	3.4	6.0	175.0	1
86LFA51980	85.0	22.0	56.0	105.0	1000.0	6.2	135.0	1500.0	11.0	55.0	113.0	10.0	6.3	10.0	173.0	1
86LFA51980	65.0	21.0	54.0	107.0	-0	7.4	-0	1600.0	10.0	57.0	106.0	11.0	3.0	4.0	217.0	2
86LFA51980	-0	25.0	78.0	100.0	-0	8.0	-0	1400.0	13.0	62.0	94.0	-0	-0	-0	183.0	10
86LFA51980	61.0	25.0	70.0	99.0	-0	8.1	-0	1480.0	12.0	61.0	97.0	1.0	3.6	2.0	182.0	11
86LFA51990	54.0	118.0	92.0	129.0	670.0	6.8	75.0	4800.0	3.0	185.0	71.0	5.0	2.0	6.0	161.0	1
86LFA51990	41.0	105.0	114.0	6.0	-0	7.8	-0	3500.0	6.0	200.0	60.0	2.0	2.4	1.0	180.0	10
86LFA52000	82.0	17.0	66.0	47.0	650.0	4.8	150.0	570.0	3.0	49.0	137.0	7.0	2.3	6.0	335.0	1
86LFA52000	-0	18.0	84.0	46.0	-0	6.2	-0	620.0	2.0	56.0	118.0	-0	-0	-0	310.0	10
86LFA52010	66.0	15.0	128.0	38.0	790.0	5.0	145.0	600.0	2.0	68.0	85.0	5.0	3.4	6.0	197.0	1
86LFA52020	45.0	30.0	82.0	246.0	880.0	3.9	210.0	9800.0	1.0	92.0	48.0	4.0	1.2	4.0	118.0	1
86LFA52030	25.0	24.0	80.0	84.0	880.0	4.6	75.0	1400.0	4.0	47.0	35.0	3.0	0.8	6.0	124.0	1
86LFA52030	20.0	25.0	96.0	83.0	-0	6.3	-0	1240.0	5.0	50.0	30.0	1.0	1.2	1.0	130.0	10
86LFA52040	73.0	16.0	80.0	66.0	960.0	5.2	65.0	1200.0	3.0	48.0	75.0	8.0	1.6	6.0	159.0	1
86LFA52040	-0	18.0	96.0	63.0	-0	6.2	-0	1020.0	1.0	51.0	66.0	-0	-0	-0	181.0	10
86LFA52050	67.0	21.0	56.0	112.0	720.0	4.8	125.0	1200.0	3.0	35.0	156.0	8.0	3.2	6.0	327.0	1
86LFA52060	53.0	20.0	84.0	79.0	1050.0	4.7	70.0	1500.0	2.0	54.0	85.0	3.0	1.8	4.0	167.0	1
86LFA52060	-0	25.0	100.0	75.0	-0	6.1	-0	1400.0	1.0	61.0	70.0	-0	-0	-0	196.0	10
86LFA52070	60.0	22.0	90.0	57.0	640.0	5.2	115.0	1100.0	1.0	63.0	57.0	7.0	1.0	4.0	187.0	1
86LFA52080	43.0	24.0	106.0	77.0	1000.0	5.2	55.0	1600.0	1.0	76.0	47.0	1.0	0.8	4.0	138.0	1
86LFA52100	57.0	18.0	100.0	53.0	930.0	5.0	125.0	1150.0	3.0	63.0	56.0	7.0	1.9	4.0	154.0	1
86LFA52100	-0	21.0	114.0	49.0	-0	6.1	-0	1020.0	2.0	65.0	45.0	-0	-0	-0	176.0	10
86LFA52110	44.0	28.0	122.0	86.0	1000.0	5.1	55.0	1650.0	2.0	85.0	44.0	4.0	1.8	4.0	129.0	1
86LFA52110	20.0	29.0	118.0	78.0	-0	6.7	-0	1560.0	1.0	85.0	32.0	1.0	0.6	1.0	117.0	10
86LFA52120	62.0	28.0	98.0	96.0	790.0	5.9	125.0	1600.0	6.0	94.0	52.0	3.0	3.9	6.0	129.0	1
86LFA52130	60.0	28.0	120.0	82.0	880.0	5.3	65.0	2200.0	2.0	84.0	58.0	8.0	1.4	4.0	123.0	1
86LFA52130	-0	31.0	136.0	83.0	-0	6.7	-0	1860.0	1.0	88.0	41.0	-0	-0	-0	148.0	10
86LFA52140	48.0	16.0	54.0	25.0	640.0	5.7	105.0	680.0	3.0	35.0	55.0	6.0	1.2	4.0	260.0	1
86LFA52150	91.0	24.0	62.0	81.0	1000.0	5.7	80.0	2300.0	4.0	53.0	205.0	4.0	2.0	6.0	378.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA52150	57.0	27.0	70.0	3.0	-0-	7.2	-0-	1960.0	3.0	58.0	200.0	1.0	2.6	1.0	330.0	10
86LFA52160	107.0	19.0	78.0	46.0	1100.0	5.0	30.0	1600.0	3.0	48.0	59.0	10.0	1.8	6.0	159.0	1
86LFA52160	70.0	21.0	92.0	48.0	-0-	7.0	-0-	1480.0	3.0	52.0	42.0	1.0	1.0	3.0	160.0	10
86LFA52170	72.0	25.0	68.0	65.0	790.0	5.8	100.0	1400.0	4.0	61.0	60.0	3.0	2.5	4.0	147.0	1
86LFA52180	77.0	28.0	84.0	70.0	750.0	5.0	150.0	1300.0	4.0	92.0	50.0	4.0	2.3	4.0	127.0	1
86LFA52190	59.0	23.0	76.0	65.0	880.0	5.5	140.0	1100.0	4.0	87.0	60.0	15.0	2.0	4.0	229.0	1
86LFA52200	40.0	29.0	70.0	73.0	820.0	5.1	125.0	1500.0	3.0	83.0	60.0	-0-	2.3	4.0	137.0	1
86LFA52210	43.0	24.0	72.0	67.0	850.0	5.4	150.0	1600.0	3.0	80.0	54.0	4.0	1.4	2.0	150.0	1
86LFA52210	23.0	26.0	92.0	3.0	-0-	7.2	-0-	1480.0	3.0	86.0	40.0	1.0	2.6	1.0	159.0	10
86LFA52220	52.0	19.0	70.0	44.0	670.0	4.1	210.0	530.0	3.0	56.0	79.0	5.0	2.5	2.0	118.0	1
86LFA52220	-0-	23.0	86.0	46.0	-0-	5.3	-0-	550.0	3.0	64.0	56.0	-0-	-0-	-0-	136.0	10
86LFA52230	44.0	22.0	96.0	81.0	1150.0	4.9	75.0	1500.0	2.0	65.0	41.0	8.0	1.4	6.0	113.0	1
86LFA52230	33.0	23.0	96.0	81.0	-0-	6.4	-0-	1400.0	1.0	72.0	38.0	4.0	1.1	2.0	145.0	2
86LFA52230	-0-	26.0	118.0	81.0	-0-	6.4	-0-	1260.0	1.0	73.0	32.0	-0-	-0-	-0-	131.0	10
86LFA52240	55.0	26.0	88.0	74.0	820.0	5.5	110.0	2000.0	3.0	59.0	53.0	9.0	1.4	4.0	136.0	1
86LFA52250	54.0	30.0	80.0	90.0	790.0	5.3	250.0	1300.0	5.0	72.0	58.0	5.0	1.6	4.0	124.0	1
86LFA52260	50.0	23.0	64.0	103.0	1000.0	6.8	110.0	1900.0	3.0	64.0	44.0	9.0	1.5	4.0	160.0	1
86LFA52260	37.0	23.0	72.0	99.0	-0-	7.7	-0-	1800.0	2.0	73.0	37.0	8.0	1.0	2.0	215.0	2
86LFA52260	-0-	26.0	82.0	95.0	-0-	7.5	-0-	1520.0	1.0	71.0	30.0	-0-	-0-	-0-	165.0	10
86LFA52260	-0-	27.0	84.0	92.0	-0-	7.4	-0-	1520.0	2.0	70.0	31.0	-0-	-0-	-0-	165.0	11
86LFA52270	53.0	28.0	66.0	49.0	750.0	5.0	145.0	1400.0	4.0	52.0	65.0	6.0	2.7	4.0	125.0	1
86LFA52270	29.0	29.0	78.0	2.0	-0-	6.5	-0-	1320.0	2.0	57.0	51.0	1.0	2.6	1.0	127.0	10
86LFA52280	54.0	25.0	84.0	74.0	820.0	5.2	130.0	1300.0	4.0	55.0	63.0	4.0	2.3	4.0	127.0	1
86LFA52280	24.0	30.0	96.0	4.0	-0-	6.8	-0-	1200.0	4.0	56.0	46.0	2.0	2.6	1.0	136.0	10
86LFA52290	63.0	59.0	122.0	236.0	930.0	5.6	190.0	5000.0	3.0	153.0	87.0	4.0	2.1	4.0	136.0	1
86LFA52290	-0-	60.0	136.0	228.0	-0-	7.0	-0-	3200.0	1.0	141.0	60.0	-0-	-0-	-0-	165.0	10
86LFA52300	89.0	30.0	136.0	157.0	960.0	5.5	105.0	1700.0	2.0	110.0	54.0	7.0	1.6	6.0	100.0	1
86LFA52300	61.0	31.0	148.0	6.0	-0-	6.4	-0-	1420.0	6.0	110.0	39.0	2.0	2.0	1.0	119.0	10
86LFA52310	92.0	22.0	60.0	55.0	1050.0	4.0	150.0	1500.0	3.0	38.0	136.0	4.0	2.0	6.0	232.0	1
86LFA52320	53.0	22.0	56.0	70.0	930.0	5.6	70.0	1600.0	3.0	57.0	53.0	4.0	1.8	4.0	109.0	1
86LFA52320	38.0	18.0	60.0	69.0	-0-	6.2	-0-	1300.0	2.0	63.0	45.0	3.0	1.9	2.0	146.0	2
86LFA52320	-0-	25.0	80.0	69.0	-0-	7.0	-0-	1360.0	1.0	63.0	38.0	-0-	-0-	-0-	131.0	10
86LFA52320	45.0	23.0	72.0	67.0	-0-	6.8	-0-	1380.0	2.0	58.0	38.0	1.0	1.0	2.0	128.0	11
86LFA52330	61.0	28.0	116.0	97.0	720.0	5.5	155.0	1450.0	3.0	84.0	59.0	6.0	1.8	4.0	133.0	1
86LFA52340	40.0	26.0	80.0	68.0	1000.0	5.7	85.0	2000.0	2.0	73.0	50.0	4.0	1.2	4.0	129.0	1
86LFA52350	57.0	21.0	52.0	40.0	790.0	5.5	190.0	1800.0	3.0	33.0	82.0	5.0	2.0	4.0	161.0	1
86LFA52360	58.0	22.0	72.0	48.0	880.0	4.5	150.0	1300.0	3.0	53.0	67.0	7.0	1.8	4.0	173.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA52360	-0-	24.0	90.0	47.0	-0-	5.3	-0-	1180.0	1.0	56.0	48.0	-0-	-0-	-0-	200.0	10
86LFA52370	92.0	26.0	74.0	62.0	1100.0	5.2	130.0	1500.0	3.0	67.0	60.0	12.0	1.6	6.0	127.0	1
86LFA52370	48.0	27.0	84.0	2.0	-0-	6.7	-0-	1360.0	2.0	67.0	42.0	1.0	2.2	4.0	135.0	10
86LFA52380	25.0	21.0	74.0	47.0	850.0	4.9	40.0	960.0	2.0	78.0	34.0	5.0	0.8	4.0	119.0	1
86LFA52380	22.0	22.0	76.0	47.0	-0-	5.3	-0-	820.0	-0-	82.0	28.0	4.0	0.9	2.0	142.0	2
86LFA52380	-0-	24.0	104.0	47.0	-0-	5.2	-0-	820.0	1.0	82.0	24.0	-0-	-0-	-0-	127.0	10
86LFA52390	34.0	25.0	76.0	41.0	850.0	4.8	40.0	1250.0	2.0	78.0	37.0	5.0	0.8	4.0	126.0	1
86LFA52390	27.0	27.0	90.0	38.0	-0-	6.1	-0-	1080.0	1.0	69.0	27.0	1.0	0.2	2.0	123.0	10
86LFA52400	33.0	24.0	86.0	52.0	850.0	4.6	55.0	1000.0	2.0	86.0	28.0	6.0	1.2	1.0	118.0	1
86LFA52400	40.0	22.0	84.0	56.0	-0-	5.9	-0-	880.0	-0-	93.0	27.0	6.0	0.5	2.0	165.0	2
86LFA52400	-0-	25.0	112.0	54.0	-0-	5.3	-0-	820.0	1.0	88.0	22.0	-0-	-0-	-0-	136.0	10
86LFA52400	25.0	24.0	96.0	53.0	-0-	6.5	-0-	860.0	1.0	82.0	20.0	1.0	-0-	1.0	138.0	11
86LFA52410	37.0	21.0	84.0	55.0	850.0	5.2	55.0	800.0	1.0	90.0	31.0	1.0	0.9	2.0	122.0	1
86LFA52410	55.0	19.0	84.0	57.0	-0-	6.1	-0-	820.0	-0-	95.0	33.0	9.0	0.5	2.0	149.0	2
86LFA52410	-0-	23.0	112.0	56.0	-0-	6.3	-0-	780.0	1.0	90.0	28.0	-0-	-0-	-0-	125.0	10
86LFA52420	191.0	26.0	72.0	101.0	1100.0	4.8	65.0	1200.0	4.0	124.0	75.0	5.0	2.3	4.0	334.0	1
86LFA52420	182.0	24.0	68.0	102.0	-0-	6.2	-0-	1200.0	3.0	132.0	72.0	4.0	2.1	2.0	302.0	2
86LFA52420	-0-	26.0	106.0	108.0	-0-	7.3	-0-	1200.0	2.0	132.0	70.0	-0-	-0-	-0-	360.0	10
86LFA52420	160.0	26.0	90.0	97.0	-0-	7.0	-0-	1140.0	3.0	118.0	62.0	2.0	1.0	1.0	315.0	11
86LFA52430	99.0	24.0	74.0	42.0	750.0	6.1	150.0	1400.0	2.0	74.0	52.0	3.0	1.4	2.0	262.0	1
86LFA52440	33.0	27.0	80.0	48.0	930.0	5.1	80.0	920.0	3.0	83.0	34.0	4.0	0.8	2.0	159.0	1
86LFA52440	33.0	24.0	74.0	48.0	-0-	6.3	-0-	800.0	1.0	92.0	36.0	-0-	0.5	2.0	216.0	2
86LFA52440	-0-	31.0	106.0	50.0	-0-	7.0	-0-	840.0	1.0	89.0	31.0	-0-	-0-	-0-	187.0	10
86LFA52450	47.0	22.0	68.0	49.0	670.0	5.4	105.0	900.0	3.0	79.0	34.0	4.0	2.0	4.0	186.0	1
86LFA52450	60.0	22.0	80.0	45.0	-0-	6.3	-0-	780.0	2.0	79.0	29.0	2.0	1.4	1.0	179.0	10
86LFA52460	25.0	17.0	64.0	47.0	720.0	4.9	45.0	720.0	-0-	67.0	25.0	5.0	1.1	4.0	114.0	1
86LFA52470	124.0	19.0	70.0	98.0	880.0	5.1	60.0	1200.0	1.0	100.0	61.0	6.0	1.4	4.0	134.0	1
86LFA52480	140.0	19.0	72.0	101.0	960.0	5.2	50.0	1250.0	3.0	80.0	34.0	-0-	2.5	4.0	131.0	1
86LFA52480	150.0	27.0	88.0	105.0	-0-	6.4	-0-	1140.0	4.0	89.0	33.0	2.0	2.0	1.0	156.0	10
86LFA52490	62.0	18.0	70.0	67.0	960.0	5.2	30.0	1100.0	1.0	76.0	33.0	4.0	1.6	2.0	129.0	1
86LFA52500	70.0	19.0	74.0	71.0	880.0	5.1	45.0	1300.0	2.0	92.0	26.0	7.0	1.6	2.0	141.0	1
86LFA52500	57.0	25.0	90.0	71.0	-0-	6.9	-0-	1160.0	2.0	93.0	25.0	1.0	0.7	1.0	165.0	10
86LFA52510	57.0	20.0	76.0	57.0	1000.0	4.9	55.0	1200.0	-0-	83.0	34.0	7.0	0.6	4.0	136.0	1
86LFA52510	41.0	24.0	70.0	63.0	-0-	6.2	-0-	1000.0	-0-	91.0	38.0	4.0	0.1	2.0	197.0	2
86LFA52510	-0-	26.0	106.0	60.0	-0-	6.7	-0-	960.0	1.0	90.0	34.0	-0-	-0-	-0-	173.0	10
86LFA52510	50.0	26.0	98.0	60.0	-0-	7.1	-0-	1040.0	1.0	86.0	33.0	1.0	0.5	1.0	165.0	11
86LFA52520	115.0	17.0	70.0	74.0	930.0	4.9	65.0	880.0	2.0	99.0	35.0	8.0	2.0	4.0	349.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA52520	103.0	21.0	64.0	68.0	-0-	6.6	-0-	1000.0	-0-	105.0	44.0	7.0	0.8	2.0	297.0	2
86LFA52520	-0-	24.0	100.0	74.0	-0-	6.4	-0-	840.0	2.0	54.0	35.0	-0-	-0-	-0-	317.0	10
86LFA52520	100.0	24.0	90.0	73.0	-0-	6.5	-0-	880.0	2.0	100.0	34.0	1.0	0.8	1.0	310.0	11
86LFA52530	33.0	17.0	68.0	47.0	880.0	5.4	85.0	1100.0	1.0	70.0	23.0	9.0	1.2	4.0	100.0	1
86LFA52530	25.0	22.0	68.0	50.0	-0-	6.2	-0-	1000.0	1.0	80.0	34.0	5.0	0.6	2.0	151.0	2
86LFA52530	-0-	25.0	96.0	48.0	-0-	6.4	-0-	880.0	1.0	77.0	30.0	-0-	-0-	-0-	127.0	10
86LFA52530	27.0	24.0	86.0	51.0	-0-	6.6	-0-	960.0	1.0	74.0	25.0	1.0	0.6	1.0	129.0	11
86LFA52550	52.0	26.0	72.0	61.0	930.0	5.1	105.0	1300.0	3.0	72.0	180.0	2.0	2.7	4.0	531.0	1
86LFA52550	70.0	34.0	98.0	67.0	-0-	7.2	-0-	1200.0	4.0	85.0	200.0	2.0	1.8	1.0	600.0	10
86LFA52550	53.0	33.0	98.0	66.0	-0-	7.4	-0-	1240.0	3.0	81.0	191.0	1.0	1.3	1.0	640.0	11
86LFA52560	36.0	17.0	68.0	47.0	930.0	5.3	80.0	900.0	-0-	77.0	30.0	4.0	1.2	8.0	114.0	1
86LFA52570	47.0	15.0	72.0	40.0	880.0	5.2	75.0	470.0	1.0	69.0	48.0	6.0	2.3	4.0	150.0	1
86LFA52570	35.0	19.0	70.0	42.0	-0-	5.7	-0-	490.0	2.0	78.0	51.0	3.0	1.7	2.0	212.0	2
86LFA52570	-0-	22.0	100.0	42.0	-0-	6.8	-0-	500.0	1.0	82.0	45.0	-0-	-0-	-0-	119.0	10
86LFA52570	38.0	23.0	92.0	42.0	-0-	6.7	-0-	560.0	2.0	81.0	46.0	1.0	1.0	1.0	187.0	11
86LFA52580	30.0	14.0	68.0	36.0	750.0	4.5	105.0	400.0	2.0	65.0	35.0	4.0	2.6	1.0	122.0	1
86LFA52580	25.0	21.0	86.0	39.0	-0-	5.4	-0-	430.0	1.0	76.0	36.0	1.0	0.8	1.0	142.0	10
86LFA52590	79.0	23.0	68.0	67.0	960.0	5.6	85.0	1500.0	1.0	97.0	29.0	2.0	1.0	1.0	136.0	1
86LFA52590	64.0	26.0	72.0	69.0	-0-	6.2	-0-	1600.0	2.0	109.0	45.0	7.0	0.8	2.0	178.0	2
86LFA52590	-0-	31.0	98.0	70.0	-0-	6.4	-0-	1220.0	1.0	107.0	38.0	-0-	-0-	-0-	155.0	10
86LFA52590	63.0	28.0	86.0	66.0	-0-	6.5	-0-	1250.0	1.0	100.0	36.0	1.0	0.6	1.0	144.0	11
86LFA52600	39.0	24.0	76.0	55.0	880.0	5.4	55.0	1800.0	1.0	85.0	17.0	4.0	1.0	1.0	163.0	1
86LFA52600	27.0	28.0	84.0	58.0	-0-	6.6	-0-	1800.0	2.0	92.0	28.0	4.0	0.5	2.0	192.0	2
86LFA52600	-0-	32.0	108.0	56.0	-0-	7.0	-0-	1540.0	1.0	95.0	21.0	-0-	-0-	-0-	190.0	10
86LFA52600	32.0	28.0	96.0	54.0	-0-	7.0	-0-	1520.0	1.0	85.0	20.0	1.0	0.6	1.0	185.0	11
86LFA52610	97.0	24.0	74.0	76.0	960.0	5.4	55.0	1600.0	1.0	92.0	40.0	6.0	1.4	1.0	162.0	1
86LFA52610	82.0	27.0	74.0	84.0	-0-	7.0	-0-	1700.0	2.0	98.0	58.0	10.0	1.1	2.0	211.0	2
86LFA52610	-0-	30.0	106.0	78.0	-0-	6.8	-0-	1340.0	2.0	98.0	47.0	-0-	-0-	-0-	173.0	10
86LFA52620	33.0	21.0	72.0	65.0	1000.0	5.3	70.0	1150.0	-0-	83.0	20.0	4.0	0.8	4.0	132.0	1
86LFA52620	25.0	25.0	96.0	66.0	-0-	6.6	-0-	1060.0	2.0	81.0	21.0	1.0	0.6	1.0	137.0	10
86LFA52630	122.0	20.0	70.0	73.0	1000.0	5.2	110.0	1300.0	2.0	90.0	48.0	7.0	1.6	4.0	162.0	1
86LFA52630	94.0	25.0	68.0	84.0	-0-	6.3	-0-	1400.0	2.0	103.0	60.0	10.0	1.3	2.0	199.0	2
86LFA52630	-0-	29.0	92.0	79.0	-0-	6.6	-0-	1200.0	2.0	102.0	53.0	-0-	-0-	-0-	193.0	10
86LFA52640	140.0	27.0	70.0	67.0	1100.0	5.0	130.0	1600.0	1.0	85.0	68.0	3.0	1.6	2.0	172.0	1
86LFA52640	100.0	36.0	86.0	68.0	-0-	6.7	-0-	1400.0	2.0	91.0	55.0	2.0	1.4	1.0	197.0	10
86LFA52650	107.0	20.0	72.0	82.0	1000.0	5.3	40.0	1100.0	1.0	77.0	56.0	10.0	2.3	4.0	136.0	1
86LFA52660	149.0	21.0	68.0	111.0	960.0	4.9	60.0	1200.0	2.0	82.0	46.0	8.0	3.0	4.0	166.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mb	Ni	Pb	Sn	U	W	Zn	O
86LFA52660	121.0	23.0	74.0	119.0	-0-	5.8	-0-	1300.0	2.0	99.0	47.0	6.0	2.2	4.0	193.0	2
86LFA52660	-0-	26.0	90.0	112.0	-0-	6.1	-0-	1020.0	2.0	89.0	38.0	-0-	-0-	-0-	178.0	10
86LFA52670	115.0	19.0	72.0	70.0	960.0	5.5	85.0	880.0	1.0	87.0	50.0	7.0	1.6	4.0	165.0	1
86LFA52670	70.0	22.0	94.0	73.0	-0-	6.8	-0-	820.0	2.0	90.0	43.0	1.0	1.2	2.0	185.0	10
86LFA52680	33.0	20.0	78.0	36.0	880.0	4.7	125.0	640.0	1.0	71.0	26.0	4.0	1.0	2.0	108.0	1
86LFA52680	22.0	22.0	80.0	42.0	-0-	5.6	-0-	500.0	2.0	85.0	26.0	6.0	0.5	2.0	140.0	2
86LFA52680	-0-	26.0	110.0	42.0	-0-	6.0	-0-	590.0	1.0	81.0	22.0	-0-	-0-	-0-	126.0	10
86LFA52680	-0-	25.0	106.0	40.0	-0-	6.1	-0-	610.0	1.0	82.0	21.0	-0-	-0-	-0-	126.0	11
86LFA52690	52.0	16.0	64.0	41.0	820.0	5.0	105.0	800.0	1.0	69.0	28.0	6.0	1.2	2.0	134.0	1
86LFA52690	35.0	23.0	88.0	42.0	-0-	6.8	-0-	720.0	3.0	73.0	25.0	1.0	0.8	1.0	168.0	10
86LFA52700	77.0	20.0	64.0	58.0	850.0	5.5	75.0	1050.0	-0-	72.0	31.0	8.0	1.8	4.0	107.0	1
86LFA52700	63.0	24.0	90.0	63.0	-0-	6.6	-0-	960.0	2.0	81.0	25.0	2.0	0.7	1.0	128.0	10
86LFA52710	101.0	13.0	60.0	32.0	720.0	6.5	210.0	410.0	8.0	42.0	32.0	1.0	2.9	6.0	154.0	1
86LFA52720	81.0	17.0	66.0	78.0	960.0	5.3	95.0	900.0	2.0	98.0	50.0	5.0	1.6	6.0	191.0	1
86LFA52720	70.0	22.0	92.0	80.0	-0-	6.3	-0-	840.0	4.0	106.0	38.0	1.0	0.8	3.0	234.0	10
86LFA52730	29.0	15.0	60.0	45.0	790.0	5.6	150.0	880.0	1.0	62.0	39.0	4.0	1.6	4.0	154.0	1
86LFA52740	43.0	17.0	68.0	49.0	750.0	5.3	105.0	640.0	1.0	73.0	23.0	7.0	1.2	2.0	110.0	1
86LFA52740	37.0	20.0	66.0	63.0	-0-	6.0	-0-	600.0	-0-	90.0	28.0	9.0	1.3	2.0	163.0	2
86LFA52740	-0-	23.0	96.0	53.0	-0-	6.3	-0-	600.0	2.0	81.0	19.0	-0-	-0-	-0-	135.0	10
86LFA52750	61.0	28.0	90.0	87.0	850.0	7.1	110.0	2600.0	1.0	67.0	76.0	4.0	1.2	4.0	132.0	1
86LFA52760	71.0	17.0	76.0	64.0	1000.0	5.5	190.0	1500.0	2.0	57.0	98.0	11.0	2.0	4.0	154.0	1
86LFA52770	76.0	26.0	74.0	122.0	960.0	6.1	160.0	2200.0	2.0	73.0	142.0	9.0	1.6	4.0	343.0	1
86LFA52770	55.0	30.0	82.0	127.0	-0-	7.5	-0-	1900.0	2.0	81.0	145.0	1.0	0.5	3.0	294.0	10
86LFA52770	38.0	30.0	86.0	131.0	-0-	7.7	-0-	1960.0	3.0	81.0	147.0	1.0	1.5	1.0	300.0	11
86LFA52780	115.0	29.0	78.0	103.0	930.0	6.7	270.0	1000.0	3.0	75.0	171.0	8.0	1.8	6.0	179.0	1
86LFA52780	57.0	42.0	90.0	108.0	-0-	9.0	-0-	980.0	4.0	90.0	188.0	1.0	1.2	1.0	235.0	10
86LFA52790	90.0	60.0	68.0	102.0	1250.0	5.9	70.0	3.0	104.0	102.0	7.0	-0-	4.0	175.0	1.0	1
86LFA52790	60.0	71.0	84.0	111.0	-0-	7.8	-0-	6600.0	3.0	114.0	100.0	2.0	2.0	2.0	210.0	10
86LFA52800	44.0	18.0	64.0	44.0	1050.0	5.4	160.0	1000.0	2.0	43.0	68.0	11.0	2.7	50.0	124.0	1
86LFA52800	-0-	26.0	78.0	47.0	-0-	6.9	-0-	890.0	2.0	48.0	52.0	-0-	-0-	-0-	141.0	10
86LFA52810	54.0	21.0	68.0	71.0	1050.0	6.1	65.0	1600.0	3.0	65.0	257.0	4.0	1.3	4.0	140.0	1
86LFA52810	38.0	25.0	82.0	67.0	-0-	6.9	-0-	1280.0	3.0	64.0	40.0	1.0	1.4	1.0	141.0	10
86LFA52820	47.0	25.0	88.0	92.0	1000.0	7.4	140.0	2500.0	2.0	90.0	44.0	3.0	1.0	4.0	120.0	1
86LFA52820	37.0	27.0	90.0	96.0	-0-	7.0	-0-	2500.0	1.0	98.0	42.0	6.0	0.7	4.0	170.0	2
86LFA52820	-0-	34.0	110.0	88.0	-0-	7.7	-0-	1840.0	1.0	91.0	33.0	-0-	-0-	-0-	141.0	10
86LFA52830	41.0	21.0	74.0	64.0	1100.0	5.7	155.0	1550.0	4.0	64.0	51.0	5.0	1.4	4.0	156.0	1
86LFA52840	48.0	22.0	76.0	72.0	1250.0	6.2	105.0	1900.0	2.0	61.0	39.0	7.0	1.2	6.0	141.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA52850	56.0	18.0	66.0	66.0	1000.0	5.5	90.0	1800.0	2.0	57.0	45.0	7.0	1.8	4.0	138.0	1
86LFA52860	103.0	34.0	64.0	102.0	750.0	7.7	260.0	2400.0	4.0	54.0	95.0	4.0	1.5	4.0	289.0	1
86LFA52870	87.0	26.0	70.0	109.0	1250.0	5.9	150.0	2000.0	3.0	63.0	78.0	12.0	2.7	40.0	161.0	1
86LFA52880	68.0	18.0	62.0	84.0	1150.0	6.3	55.0	830.0	2.0	69.0	56.0	4.0	2.5	4.0	137.0	1
86LFA52880	70.0	21.0	80.0	82.0	-0-	7.4	-0-	740.0	4.0	73.0	49.0	2.0	1.4	1.0	159.0	10
86LFA52890	59.0	24.0	54.0	97.0	1200.0	5.8	45.0	1500.0	3.0	62.0	55.0	12.0	2.7	4.0	141.0	1
86LFA52900	97.0	16.0	50.0	42.0	1050.0	4.7	190.0	1100.0	2.0	48.0	72.0	7.0	3.5	4.0	168.0	1
86LFA52900	70.0	21.0	64.0	45.0	-0-	5.6	-0-	920.0	1.0	54.0	72.0	1.0	2.4	1.0	189.0	10
86LFA52910	66.0	18.0	60.0	119.0	1450.0	5.8	185.0	740.0	3.0	49.0	48.0	15.0	1.6	6.0	281.0	1
86LFA52920	114.0	30.0	64.0	100.0	1100.0	6.7	95.0	3700.0	3.0	92.0	32.0	6.0	1.1	6.0	311.0	1
86LFA52920	80.0	33.0	78.0	98.0	-0-	7.7	-0-	2800.0	1.0	97.0	30.0	1.0	0.9	1.0	253.0	10
86LFA52930	33.0	6.0	34.0	20.0	1300.0	3.5	120.0	560.0	1.0	16.0	69.0	15.0	4.5	4.0	125.0	1
86LFA52940	82.0	16.0	46.0	39.0	1200.0	4.6	220.0	1100.0	1.0	29.0	83.0	9.0	3.2	4.0	123.0	1
86LFA52950	152.0	25.0	64.0	68.0	890.0	8.1	210.0	1800.0	5.0	35.0	99.0	8.0	1.4	4.0	180.0	1
86LFA52960	121.0	21.0	62.0	68.0	1700.0	5.4	415.0	1300.0	3.0	34.0	237.0	7.0	3.6	4.0	420.0	1
86LFA52970	107.0	27.0	90.0	61.0	1000.0	5.9	195.0	1700.0	4.0	82.0	51.0	-0-	1.6	6.0	106.0	1
86LFA52970	-0-	32.0	106.0	63.0	-0-	7.0	-0-	1520.0	1.0	86.0	40.0	-0-	-0-	-0-	115.0	10
86LFA52970	70.0	30.0	104.0	60.0	-0-	7.4	-0-	1660.0	4.0	82.0	44.0	1.0	1.8	3.0	115.0	11
86LFA52980	41.0	19.0	76.0	53.0	720.0	5.8	115.0	460.0	2.0	55.0	40.0	2.0	0.5	4.0	85.0	1
86LFA52990	28.0	22.0	84.0	53.0	960.0	5.2	70.0	760.0	1.0	89.0	24.0	7.0	0.4	4.0	111.0	1
86LFA52990	22.0	26.0	74.0	53.0	-0-	6.0	-0-	780.0	2.0	89.0	22.0	2.0	0.4	1.0	118.0	10
86LFA53000	27.0	16.0	89.0	46.0	970.0	3.6	65.0	700.0	1.0	54.0	34.0	13.0	2.0	2.0	144.0	1
86LFA53000	-0-	22.0	98.0	44.0	-0-	5.9	-0-	760.0	2.0	63.0	31.0	-0-	-0-	-0-	142.0	10
86LFA53050	46.0	26.0	94.0	62.0	990.0	4.1	110.0	1400.0	2.0	74.0	58.0	7.0	1.7	2.0	210.0	1
86LFA53080	45.0	19.0	66.0	67.0	1150.0	4.3	90.0	100.0	1.0	51.0	41.0	6.0	2.9	2.0	164.0	1
86LFA53080	32.0	19.0	78.0	62.0	-0-	6.1	-0-	1030.0	1.0	54.0	39.0	1.0	1.4	1.0	164.0	10
86LFA53100	34.0	16.0	65.0	50.0	1150.0	3.7	65.0	930.0	2.0	40.0	42.0	15.0	2.4	2.0	145.0	1
86LFA53100	38.0	18.0	72.0	48.0	-0-	5.8	-0-	1080.0	1.0	49.0	41.0	1.0	2.3	1.0	188.0	10
86LFA53110	38.0	26.0	118.0	77.0	1050.0	4.6	75.0	900.0	2.0	78.0	32.0	6.0	1.7	2.0	146.0	1
86LFA53120	29.0	19.0	77.0	72.0	875.0	4.5	255.0	910.0	1.0	72.0	37.0	6.0	0.2	2.0	213.0	1
86LFA53130	43.0	21.0	88.0	70.0	920.0	4.8	260.0	770.0	2.0	82.0	36.0	11.0	0.7	2.0	162.0	1
86LFA53140	72.0	17.0	72.0	75.0	930.0	4.6	270.0	780.0	2.0	59.0	21.0	7.0	0.9	4.0	197.0	1
86LFA53150	48.0	18.0	78.0	63.0	990.0	4.0	365.0	580.0	2.0	69.0	26.0	15.0	0.3	2.0	204.0	1
86LFA53150	-0-	21.0	90.0	55.0	-0-	6.1	-0-	540.0	1.0	73.0	20.0	-0-	-0-	-0-	216.0	10
86LFA53160	39.0	25.0	38.0	72.0	920.0	4.6	130.0	1700.0	2.0	43.0	31.0	-0-	0.3	2.0	80.0	1
86LFA53160	41.0	40.0	44.0	65.0	-0-	7.4	-0-	1680.0	1.0	48.0	28.0	1.0	0.2	1.0	94.0	10
86LFA53170	7.0	13.0	51.0	61.0	860.0	3.8	130.0	440.0	-0-	82.0	9.0	2.0	0.3	2.0	88.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA53170	6.0	14.0	46.0	56.0	-0-	4.6	-0-	450.0	-0-	106.0	9.0	-0-	-0-	2.0	99.0	2
86LFA53170	-0-	18.0	70.0	57.0	-0-	4.7	-0-	420.0	1.0	98.0	6.0	-0-	-0-	-0-	94.0	10
86LFA53180	32.0	20.0	103.0	51.0	725.0	4.1	135.0	580.0	2.0	75.0	48.0	10.0	0.7	2.0	143.0	1
86LFA53200	17.0	13.0	46.0	18.0	920.0	3.5	80.0	450.0	1.0	38.0	41.0	3.0	0.8	2.0	291.0	1
86LFA53200	-0-	19.0	64.0	18.0	-0-	5.7	-0-	520.0	1.0	52.0	37.0	-0-	-0-	-0-	386.0	10
86LFA53210	19.0	24.0	83.0	18.0	1015.0	5.2	240.0	1000.0	2.0	52.0	41.0	3.0	3.3	2.0	331.0	1
86LFA53220	61.0	22.0	109.0	104.0	990.0	5.0	135.0	1400.0	3.0	56.0	55.0	12.0	1.8	4.0	201.0	1
86LFA53230	59.0	18.0	91.0	56.0	970.0	4.5	80.0	940.0	2.0	46.0	55.0	5.0	1.1	4.0	152.0	1
86LFA53240	69.0	17.0	86.0	73.0	1005.0	5.1	85.0	1200.0	2.0	49.0	68.0	9.0	1.8	4.0	221.0	1
86LFA53240	-0-	24.0	84.0	68.0	-0-	6.3	-0-	1320.0	2.0	56.0	63.0	-0-	-0-	-0-	224.0	10
86LFA53250	44.0	16.0	116.0	84.0	1000.0	4.7	105.0	1100.0	2.0	52.0	53.0	9.0	1.4	2.0	152.0	1
86LFA53260	32.0	16.0	80.0	43.0	995.0	3.8	85.0	500.0	1.0	50.0	36.0	6.0	1.0	4.0	129.0	1
86LFA53260	25.0	18.0	80.0	43.0	-0-	5.0	-0-	540.0	-0-	64.0	38.0	5.0	1.0	2.0	147.0	2
86LFA53260	-0-	21.0	92.0	40.0	-0-	5.8	-0-	540.0	1.0	58.0	31.0	-0-	-0-	-0-	141.0	10
86LFA53270	51.0	21.0	76.0	106.0	1005.0	5.4	80.0	1600.0	3.0	55.0	61.0	8.0	2.2	4.0	185.0	1
86LFA53270	42.0	25.0	70.0	114.0	-0-	6.0	-0-	2200.0	1.0	78.0	65.0	11.0	1.7	2.0	204.0	2
86LFA53270	-0-	29.0	88.0	101.0	-0-	7.5	-0-	1600.0	2.0	71.0	56.0	-0-	-0-	-0-	182.0	10
86LFA53280	33.0	21.0	91.0	58.0	875.0	4.5	75.0	920.0	1.0	46.0	41.0	8.0	0.9	2.0	149.0	1
86LFA53290	55.0	25.0	129.0	70.0	790.0	4.9	100.0	1100.0	1.0	82.0	40.0	4.0	0.7	4.0	164.0	1
86LFA53290	36.0	34.0	124.0	62.0	-0-	7.3	-0-	1300.0	1.0	96.0	36.0	2.0	1.0	1.0	171.0	10
86LFA53310	46.0	19.0	108.0	46.0	775.0	4.8	110.0	1300.0	2.0	49.0	35.0	4.0	0.5	2.0	158.0	1
86LFA53310	-0-	26.0	112.0	49.0	-0-	8.2	-0-	1400.0	2.0	61.0	34.0	-0-	-0-	-0-	168.0	10
86LFA53330	23.0	19.0	95.0	32.0	1000.0	4.2	95.0	1000.0	2.0	52.0	32.0	7.0	0.7	2.0	157.0	1
86LFA53340	32.0	22.0	117.0	50.0	1025.0	4.2	120.0	1400.0	2.0	71.0	33.0	7.0	1.2	2.0	186.0	1
86LFA53350	32.0	20.0	113.0	62.0	895.0	4.0	110.0	1000.0	2.0	56.0	33.0	10.0	0.7	2.0	139.0	1
86LFA53350	29.0	23.0	92.0	69.0	-0-	6.0	-0-	1400.0	-0-	77.0	33.0	4.0	0.9	2.0	170.0	2
86LFA53350	-0-	27.0	112.0	63.0	-0-	7.1	-0-	1140.0	1.0	72.0	30.0	-0-	-0-	-0-	159.0	10
86LFA53360	22.0	24.0	92.0	38.0	945.0	4.3	80.0	1200.0	1.0	55.0	30.0	5.0	1.2	2.0	132.0	1
86LFA53360	-0-	28.0	98.0	37.0	-0-	6.0	-0-	1280.0	1.0	69.0	25.0	-0-	-0-	-0-	151.0	10
86LFA53370	30.0	25.0	114.0	77.0	895.0	5.1	90.0	1400.0	1.0	73.0	38.0	4.0	0.7	2.0	173.0	1
86LFA53380	31.0	16.0	91.0	61.0	905.0	4.5	110.0	700.0	2.0	49.0	34.0	5.0	1.2	2.0	123.0	1
86LFA53380	-0-	21.0	94.0	54.0	-0-	7.3	-0-	720.0	1.0	54.0	31.0	-0-	-0-	-0-	141.0	10
86LFA53390	41.0	29.0	96.0	62.0	910.0	4.5	110.0	2000.0	1.0	78.0	42.0	3.0	2.0	2.0	197.0	1
86LFA53490	99.0	22.0	93.0	82.0	682.0	3.9	270.0	480.0	3.0	75.0	31.0	3.0	0.5	2.0	157.0	1
86LFA53490	90.0	31.0	84.0	64.0	-0-	6.2	-0-	500.0	2.0	78.0	28.0	1.0	0.5	1.0	137.0	10
86LFA53500	15.0	16.0	78.0	43.0	745.0	3.6	170.0	900.0	1.0	63.0	19.0	-0-	0.5	2.0	112.0	1
86LFA53510	15.0	17.0	71.0	51.0	881.0	4.8	165.0	660.0	1.0	86.0	19.0	-0-	0.3	2.0	184.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA53520	15.0	20.0	86.0	52.0	830.0	4.8	200.0	820.0	1.0	79.0	29.0	3.0	0.3	2.0	149.0	1
86LFA53520	12.0	20.0	76.0	51.0	-0-	6.2	-0-	900.0	-0-	82.0	32.0	3.0	0.5	2.0	161.0	2
86LFA53520	-0-	24.0	92.0	44.0	-0-	6.4	-0-	800.0	1.0	75.0	23.0	-0-	-0-	-0-	142.0	10
86LFA53530	15.0	14.0	88.0	32.0	725.0	3.8	100.0	480.0	2.0	65.0	25.0	6.0	0.4	2.0	150.0	1
86LFA53540	22.0	22.0	92.0	65.0	800.0	5.4	160.0	1100.0	1.0	94.0	28.0	1.0	0.3	2.0	163.0	1
86LFA53540	23.0	25.0	90.0	56.0	-0-	6.5	-0-	1220.0	1.0	87.0	22.0	1.0	0.4	1.0	163.0	10
86LFA53550	16.0	21.0	94.0	53.0	750.0	5.1	140.0	1000.0	1.0	84.0	32.0	1.0	0.5	2.0	143.0	1
86LFA53550	15.0	23.0	74.0	49.0	-0-	5.4	-0-	1200.0	1.0	93.0	27.0	3.0	0.3	2.0	158.0	2
86LFA53550	-0-	28.0	96.0	47.0	-0-	6.1	-0-	1100.0	1.0	85.0	23.0	-0-	-0-	-0-	133.0	10
86LFA53560	7.0	7.0	25.0	55.0	720.0	4.0	205.0	440.0	-0-	12.0	13.0	4.0	1.4	2.0	76.0	1
86LFA53560	-0-	10.0	44.0	50.0	-0-	6.2	-0-	540.0	1.0	15.0	4.0	-0-	-0-	-0-	86.0	10
86LFA53570	113.0	14.0	37.0	55.0	1390.0	4.0	1650.0	1420.0	2.0	45.0	111.0	10.0	1.0	2.0	852.0	1
86LFA53570	110.0	18.0	50.0	46.0	-0-	5.7	-0-	1260.0	2.0	56.0	103.0	2.0	0.9	1.0	860.0	10
86LFA53580	20.0	16.0	68.0	54.0	970.0	4.4	405.0	760.0	-0-	61.0	36.0	4.0	0.3	2.0	184.0	1
86LFA53580	17.0	20.0	70.0	44.0	-0-	6.5	-0-	740.0	1.0	71.0	30.0	2.0	0.4	1.0	205.0	10
86LFA53590	31.0	16.0	52.0	52.0	1000.0	4.4	400.0	530.0	-0-	71.0	22.0	-0-	0.5	2.0	163.0	1
86LFA53600	34.0	17.0	62.0	71.0	855.0	3.9	365.0	800.0	1.0	57.0	42.0	4.0	0.6	2.0	257.0	1
86LFA53600	25.0	21.0	70.0	58.0	-0-	6.8	-0-	880.0	1.0	58.0	34.0	1.0	0.4	1.0	253.0	10
86LFA53610	20.0	20.0	55.0	34.0	800.0	4.7	535.0	1400.0	-0-	44.0	91.0	3.0	0.5	2.0	328.0	1
86LFA53620	10.0	21.0	54.0	57.0	935.0	5.0	705.0	1300.0	-0-	61.0	48.0	4.0	0.3	2.0	196.0	1
86LFA53620	16.0	20.0	67.0	53.0	825.0	4.3	695.0	1300.0	1.0	67.0	43.0	2.0	1.0	2.0	186.0	2
86LFA53620	-0-	26.0	76.0	47.0	-0-	7.0	-0-	1480.0	1.0	67.0	35.0	-0-	-0-	-0-	194.0	10
86LFA53630	32.0	15.0	112.0	69.0	650.0	3.2	1250.0	700.0	-0-	88.0	74.0	-0-	0.5	2.0	294.0	1
86LFA53630	-0-	21.0	110.0	58.0	-0-	5.7	-0-	780.0	1.0	79.0	58.0	-0-	-0-	-0-	321.0	10
86LFA53640	26.0	13.0	67.0	39.0	845.0	3.4	50.0	1300.0	-0-	33.0	44.0	6.0	1.2	2.0	255.0	1
86LFA53650	9.0	18.0	69.0	23.0	790.0	3.6	80.0	1800.0	1.0	66.0	28.0	3.0	1.4	2.0	276.0	1
86LFA53650	-0-	27.0	100.0	23.0	-0-	6.0	-0-	1920.0	1.0	41.0	21.0	-0-	-0-	-0-	440.0	10
86LFA53660	11.0	18.0	74.0	32.0	575.0	3.5	30.0	520.0	2.0	65.0	18.0	1.0	2.0	2.0	89.0	1
86LFA53680	11.0	17.0	65.0	22.0	580.0	4.5	230.0	820.0	1.0	44.0	21.0	3.0	1.0	2.0	141.0	1
86LFA53680	-0-	21.0	80.0	21.0	-0-	7.2	-0-	860.0	1.0	40.0	15.0	-0-	-0-	-0-	168.0	10
86LFA53690	10.0	16.0	71.0	28.0	645.0	3.9	160.0	500.0	1.0	68.0	21.0	3.0	1.0	2.0	169.0	1
86LFA53700	18.0	27.0	108.0	47.0	565.0	4.2	105.0	1600.0	-0-	85.0	61.0	5.0	0.6	2.0	220.0	1
86LFA53710	7.0	16.0	72.0	22.0	740.0	3.3	60.0	560.0	-0-	58.0	20.0	8.0	0.7	2.0	132.0	1
86LFA53710	6.0	21.0	78.0	18.0	-0-	5.6	-0-	620.0	1.0	65.0	14.0	1.0	0.2	1.0	148.0	10
86LFA53720	6.0	12.0	46.0	20.0	490.0	4.6	240.0	200.0	1.0	39.0	19.0	3.0	1.2	2.0	85.0	1
86LFA53730	12.0	16.0	75.0	31.0	525.0	4.1	240.0	360.0	2.0	62.0	20.0	-0-	1.5	2.0	123.0	1
86LFA53740	15.0	17.0	44.0	40.0	820.0	3.2	585.0	1400.0	-0-	49.0	70.0	6.0	1.4	2.0	202.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA53740	14.0	22.0	54.0	41.0	-0-	5.3	-0-	1560.0	1.0	59.0	58.0	2.0	0.6	1.0	215.0	10
86LFA53750	8.0	19.0	59.0	34.0	560.0	3.6	180.0	390.0	1.0	50.0	29.0	2.0	1.0	2.0	178.0	1
86LFA53750	12.0	20.0	58.0	35.0	540.0	3.8	180.0	480.0	1.0	49.0	23.0	4.0	0.9	2.0	187.0	2
86LFA53760	12.0	17.0	73.0	36.0	625.0	3.1	135.0	460.0	1.0	55.0	20.0	4.0	0.7	2.0	93.0	1
86LFA53770	7.0	17.0	76.0	32.0	600.0	3.7	240.0	380.0	2.0	67.0	21.0	4.0	0.8	2.0	104.0	1
86LFA53780	10.0	19.0	84.0	45.0	730.0	4.0	80.0	720.0	1.0	72.0	16.0	5.0	0.5	2.0	111.0	1
86LFA53780	10.0	23.0	82.0	39.0	-0-	5.7	-0-	820.0	1.0	83.0	14.0	1.0	0.4	1.0	105.0	10
86LFA53790	15.0	15.0	90.0	55.0	730.0	3.5	120.0	660.0	1.0	67.0	18.0	1.0	1.8	2.0	90.0	1
86LFA53800	15.0	21.0	85.0	42.0	635.0	3.5	90.0	760.0	1.0	76.0	21.0	-0-	0.7	2.0	95.0	1
86LFA53810	19.0	18.0	96.0	43.0	640.0	3.4	285.0	600.0	1.0	72.0	28.0	6.0	1.2	2.0	87.0	1
86LFA53820	18.0	20.0	94.0	94.0	700.0	3.6	145.0	500.0	2.0	53.0	31.0	6.0	1.2	2.0	165.0	1
86LFA53830	17.0	25.0	82.0	67.0	710.0	3.8	175.0	1200.0	1.0	63.0	41.0	6.0	1.5	4.0	134.0	1
86LFA53840	18.0	28.0	73.0	109.0	560.0	4.0	165.0	1800.0	2.0	55.0	56.0	1.0	4.2	4.0	123.0	1
86LFA53850	14.0	17.0	95.0	103.0	860.0	4.2	40.0	580.0	1.0	72.0	19.0	2.0	0.5	4.0	124.0	1
86LFA53850	15.0	19.0	97.0	110.0	850.0	4.6	40.0	660.0	1.0	77.0	21.0	2.0	0.7	2.0	129.0	2
86LFA53860	10.0	22.0	84.0	83.0	640.0	4.0	100.0	490.0	1.0	58.0	25.0	-0-	1.0	4.0	90.0	1
86LFA53870	10.0	27.0	107.0	52.0	675.0	4.0	85.0	680.0	1.0	84.0	29.0	3.0	1.0	2.0	149.0	1
86LFA53880	14.0	26.0	119.0	40.0	710.0	3.3	100.0	940.0	2.0	107.0	39.0	2.0	1.7	2.0	120.0	1
86LFA53880	-0-	34.0	114.0	39.0	-0-	4.8	-0-	1260.0	1.0	120.0	34.0	-0-	-0-	-0-	135.0	10
86LFA53890	22.0	25.0	130.0	47.0	630.0	4.2	180.0	920.0	1.0	97.0	42.0	-0-	1.2	2.0	115.0	1
86LFA53900	10.0	24.0	109.0	55.0	755.0	4.8	60.0	800.0	1.0	140.0	20.0	3.0	1.0	2.0	110.0	1
86LFA53910	20.0	15.0	73.0	36.0	680.0	3.0	100.0	1500.0	3.0	63.0	26.0	2.0	6.4	2.0	91.0	1
86LFA53920	13.0	21.0	108.0	51.0	730.0	4.4	110.0	510.0	1.0	108.0	26.0	-0-	0.5	2.0	143.0	1
86LFA53930	11.0	22.0	99.0	59.0	935.0	4.5	80.0	540.0	1.0	155.0	14.0	-0-	0.3	2.0	132.0	1
86LFA53930	17.0	25.0	93.0	58.0	1040.0	4.9	65.0	600.0	1.0	134.0	19.0	3.0	0.3	2.0	136.0	2
86LFA53940	13.0	28.0	85.0	63.0	825.0	5.3	200.0	1000.0	1.0	120.0	29.0	2.0	0.3	2.0	119.0	1
86LFA53950	7.0	13.0	80.0	28.0	960.0	4.4	85.0	330.0	1.0	90.0	12.0	6.0	1.0	2.0	96.0	1
86LFA53960	15.0	24.0	112.0	60.0	910.0	3.9	90.0	660.0	1.0	145.0	15.0	3.0	0.3	2.0	133.0	1
86LFA53960	13.0	30.0	101.0	51.0	980.0	5.3	80.0	520.0	1.0	126.0	20.0	1.0	0.5	2.0	129.0	2
86LFA53970	9.0	24.0	92.0	58.0	910.0	5.1	70.0	780.0	1.0	146.0	19.0	4.0	-0-	2.0	128.0	1
86LFA53980	13.0	27.0	109.0	54.0	940.0	5.2	80.0	730.0	1.0	150.0	17.0	9.0	-0-	2.0	133.0	1
86LFA53980	12.0	28.0	122.0	45.0	-0-	6.8	-0-	700.0	1.0	137.0	16.0	1.0	0.2	1.0	129.0	10
86LFA53990	13.0	27.0	111.0	68.0	795.0	4.3	100.0	1400.0	1.0	105.0	24.0	3.0	0.3	2.0	143.0	1
86LFA53990	12.0	36.0	112.0	54.0	-0-	7.3	-0-	1360.0	1.0	122.0	27.0	1.0	0.4	1.0	136.0	10
86LFA54000	13.0	20.0	118.0	38.0	800.0	4.0	80.0	520.0	1.0	110.0	30.0	3.0	0.5	2.0	102.0	1
86LFA54010	16.0	26.0	122.0	46.0	800.0	4.4	90.0	680.0	2.0	127.0	33.0	4.0	1.0	2.0	109.0	1
86LFA54010	-0-	33.0	130.0	43.0	-0-	6.1	-0-	740.0	1.0	129.0	26.0	-0-	-0-	-0-	114.0	10

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA54020	10.0	16.0	91.0	24.0	590.0	4.3	120.0	370.0	2.0	83.0	21.0	4.0	1.0	2.0	129.0	1
86LFA54030	58.0	56.0	140.0	83.0	795.0	4.3	70.0	1400.0	1.0	292.0	54.0	7.0	0.5	2.0	181.0	1
86LFA54040	17.0	22.0	95.0	31.0	675.0	4.1	105.0	510.0	2.0	100.0	18.0	-0-	0.5	2.0	149.0	1
86LFA54050	33.0	20.0	119.0	40.0	670.0	4.8	120.0	620.0	2.0	125.0	35.0	2.0	1.0	2.0	141.0	1
86LFA54060	83.0	27.0	127.0	82.0	700.0	4.6	40.0	900.0	1.0	167.0	41.0	5.0	0.5	2.0	142.0	1
86LFA54060	85.0	30.0	142.0	76.0	820.0	4.5	40.0	660.0	1.0	152.0	32.0	2.0	0.9	2.0	138.0	2
86LFA54060	60.0	33.0	150.0	68.0	-0-	6.4	-0-	900.0	1.0	161.0	33.0	1.0	0.8	1.0	144.0	10
86LFA54070	65.0	23.0	114.0	44.0	715.0	4.4	140.0	700.0	2.0	132.0	36.0	-0-	1.5	2.0	100.0	1
86LFA54080	126.0	32.0	129.0	93.0	850.0	5.5	245.0	3300.0	2.0	134.0	59.0	6.0	1.5	2.0	134.0	1
86LFA54090	35.0	26.0	76.0	43.0	615.0	5.7	190.0	2000.0	-0-	114.0	46.0	-0-	1.0	2.0	155.0	1
86LFA54100	64.0	28.0	98.0	49.0	820.0	4.7	70.0	1000.0	1.0	120.0	59.0	2.0	0.6	2.0	115.0	1
86LFA54100	70.0	29.0	110.0	48.0	-0-	5.5	-0-	1000.0	2.0	108.0	46.0	1.0	0.4	1.0	116.0	10
86LFA54110	44.0	25.0	70.0	66.0	850.0	5.6	415.0	3000.0	1.0	94.0	46.0	7.0	0.6	2.0	145.0	1
86LFA54120	13.0	18.0	72.0	19.0	540.0	3.7	165.0	280.0	2.0	58.0	28.0	4.0	1.0	2.0	104.0	1
86LFA54120	15.0	22.0	80.0	20.0	-0-	5.5	-0-	370.0	1.0	64.0	22.0	2.0	0.8	1.0	115.0	10
86LFA54130	16.0	26.0	90.0	10.0	330.0	3.7	215.0	1200.0	2.0	27.0	18.0	-0-	1.8	2.0	87.0	1
86LFA54140	12.0	21.0	86.0	38.0	920.0	4.6	80.0	730.0	-0-	106.0	22.0	1.0	3.1	2.0	145.0	1
86LFA54140	11.0	24.0	100.0	43.0	-0-	6.2	-0-	800.0	2.0	105.0	15.0	1.0	0.2	1.0	150.0	10
86LFA54150	9.0	17.0	66.0	23.0	500.0	3.9	180.0	310.0	1.0	52.0	38.0	5.0	1.8	4.0	156.0	1
86LFA54160	13.0	19.0	80.0	27.0	500.0	3.6	385.0	830.0	2.0	62.0	51.0	2.0	1.2	2.0	176.0	1
86LFA54170	17.0	25.0	86.0	54.0	640.0	4.4	325.0	1600.0	2.0	56.0	44.0	1.0	3.2	2.0	131.0	1
86LFA54180	5.0	16.0	54.0	23.0	540.0	3.7	120.0	400.0	2.0	53.0	18.0	1.0	0.6	2.0	81.0	1
86LFA54190	18.0	13.0	50.0	96.0	425.0	4.6	130.0	310.0	2.0	42.0	21.0	-0-	1.0	2.0	117.0	1
86LFA54200	16.0	19.0	60.0	109.0	440.0	4.5	165.0	390.0	1.0	52.0	29.0	-0-	1.0	1.0	127.0	1
86LFA54200	14.0	23.0	70.0	118.0	-0-	5.7	-0-	460.0	2.0	63.0	19.0	1.0	0.5	1.0	138.0	10
86LFA54210	11.0	29.0	68.0	59.0	590.0	4.1	80.0	1300.0	-0-	73.0	26.0	4.0	1.0	2.0	98.0	1
86LFA54220	11.0	24.0	98.0	33.0	820.0	4.8	65.0	760.0	-0-	128.0	27.0	-0-	0.6	2.0	102.0	1
86LFA54220	11.0	23.0	104.0	35.0	850.0	4.5	70.0	750.0	1.0	131.0	29.0	3.0	1.0	2.0	103.0	2
86LFA54230	16.0	20.0	102.0	37.0	720.0	4.2	95.0	530.0	-0-	113.0	32.0	4.0	0.6	1.0	90.0	1
86LFA54230	14.0	26.0	120.0	41.0	-0-	5.7	-0-	600.0	1.0	113.0	21.0	1.0	0.5	1.0	97.0	10
86LFA54240	15.0	21.0	104.0	37.0	615.0	4.7	235.0	400.0	2.0	96.0	38.0	2.0	1.4	2.0	92.0	1
86LFA54250	24.0	21.0	82.0	39.0	820.0	4.9	50.0	2200.0	1.0	95.0	57.0	-0-	0.6	2.0	155.0	1
86LFA54260	19.0	17.0	86.0	30.0	540.0	4.4	205.0	370.0	2.0	78.0	36.0	-0-	1.4	1.0	137.0	1
86LFA54270	12.0	18.0	62.0	86.0	640.0	4.3	85.0	360.0	-0-	65.0	27.0	3.0	0.6	2.0	94.0	1
86LFA54270	11.0	23.0	78.0	88.0	-0-	5.5	-0-	430.0	1.0	65.0	18.0	1.0	0.6	1.0	95.0	10
86LFA54280	14.0	17.0	68.0	81.0	360.0	4.4	350.0	380.0	4.0	48.0	31.0	-0-	1.4	4.0	111.0	1
86LFA54290	11.0	18.0	90.0	26.0	440.0	4.2	85.0	420.0	-0-	99.0	29.0	-0-	0.6	2.0	111.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA54290	9.0	21.0	110.0	26.0	-0-	5.7	-0-	500.0	1.0	104.0	21.0	1.0	0.3	1.0	113.0	10
86LFA54300	11.0	19.0	100.0	25.0	700.0	4.4	110.0	450.0	-0-	110.0	28.0	-0-	0.3	2.0	114.0	1
86LFA54300	7.0	25.0	110.0	26.0	-0-	5.8	-0-	520.0	1.0	113.0	18.0	1.0	0.3	1.0	128.0	10
86LFA54310	11.0	23.0	70.0	31.0	750.0	5.1	175.0	6400.0	2.0	73.0	40.0	8.0	1.0	2.0	295.0	1
86LFA54310	12.0	26.0	76.0	34.0	690.0	5.2	135.0	6500.0	2.0	71.0	44.0	5.0	1.2	2.0	320.0	2
86LFA54320	8.0	18.0	62.0	39.0	820.0	4.4	350.0	860.0	-0-	93.0	20.0	5.0	0.6	2.0	105.0	1
86LFA54330	16.0	30.0	88.0	45.0	1125.0	4.7	155.0	880.0	1.0	145.0	29.0	5.0	-0-	1.0	108.0	1
86LFA54330	15.0	35.0	104.0	44.0	-0-	7.2	-0-	960.0	1.0	155.0	21.0	1.0	0.2	1.0	124.0	10
86LFA54340	27.0	17.0	84.0	57.0	850.0	5.2	65.0	660.0	1.0	90.0	27.0	3.0	0.7	4.0	111.0	1
86LFA54340	17.0	23.0	96.0	54.0	-0-	5.7	-0-	620.0	1.0	83.0	18.0	1.0	0.8	1.0	106.0	10
86LFA54340	19.0	23.0	96.0	52.0	-0-	5.9	-0-	640.0	1.0	86.0	17.0	1.0	0.6	1.0	110.0	11
86LFA54350	54.0	26.0	88.0	46.0	790.0	5.2	65.0	1300.0	1.0	104.0	41.0	6.0	0.6	2.0	143.0	1
86LFA54350	-0-	30.0	104.0	45.0	-0-	5.7	-0-	1020.0	1.0	103.0	29.0	-0-	-0-	-0-	153.0	10
86LFA54350	45.0	29.0	102.0	43.0	-0-	6.0	-0-	1120.0	2.0	100.0	30.0	1.0	0.2	1.0	157.0	11
86LFA54360	48.0	22.0	86.0	56.0	640.0	5.6	110.0	1000.0	1.0	87.0	37.0	4.0	0.7	2.0	138.0	1
86LFA54360	39.0	24.0	98.0	54.0	-0-	5.8	-0-	820.0	1.0	82.0	30.0	1.0	0.8	1.0	143.0	10
86LFA54360	32.0	24.0	100.0	55.0	-0-	6.3	-0-	880.0	1.0	81.0	27.0	1.0	0.4	1.0	153.0	11
86LFA54370	31.0	19.0	72.0	53.0	930.0	4.7	100.0	540.0	1.0	81.0	21.0	8.0	0.8	4.0	127.0	1
86LFA54370	19.0	24.0	90.0	52.0	-0-	5.5	-0-	520.0	1.0	82.0	15.0	1.0	0.4	1.0	130.0	10
86LFA54380	84.0	25.0	88.0	55.0	790.0	4.5	70.0	1600.0	1.0	100.0	53.0	1.0	0.6	4.0	111.0	1
86LFA54380	67.0	31.0	106.0	56.0	-0-	5.8	-0-	1420.0	2.0	100.0	45.0	1.0	0.8	1.0	132.0	10
86LFA54380	57.0	30.0	100.0	54.0	-0-	5.7	-0-	1360.0	1.0	95.0	41.0	1.0	0.4	1.0	125.0	11
86LFA54390	44.0	21.0	68.0	49.0	930.0	4.7	80.0	1200.0	2.0	89.0	41.0	6.0	0.8	4.0	116.0	1
86LFA54390	25.0	26.0	86.0	58.0	-0-	5.6	-0-	1130.0	1.0	85.0	36.0	1.0	1.0	1.0	126.0	10
86LFA54400	44.0	15.0	74.0	32.0	530.0	5.3	200.0	280.0	2.0	41.0	43.0	-0-	-0-	4.0	171.0	1
86LFA54410	51.0	12.0	80.0	93.0	750.0	5.6	650.0	880.0	2.0	50.0	44.0	5.0	0.2	4.0	377.0	1
86LFA54420	41.0	18.0	68.0	61.0	1100.0	6.1	180.0	1200.0	1.0	81.0	42.0	7.0	0.3	2.0	168.0	1
86LFA54420	30.0	22.0	86.0	60.0	-0-	6.7	-0-	960.0	1.0	76.0	33.0	1.0	1.0	1.0	191.0	10
86LFA54430	112.0	25.0	104.0	68.0	960.0	5.5	160.0	1200.0	2.0	105.0	47.0	-0-	0.9	2.0	142.0	1
86LFA54430	100.0	33.0	116.0	70.0	-0-	6.6	-0-	1260.0	1.0	103.0	40.0	1.0	1.3	1.0	150.0	10
86LFA54440	56.0	20.0	84.0	66.0	1150.0	5.8	75.0	1100.0	2.0	83.0	87.0	7.0	2.0	6.0	283.0	1
86LFA54440	60.0	25.0	100.0	68.0	-0-	6.3	-0-	900.0	1.0	83.0	78.0	1.0	2.4	2.0	236.0	10
86LFA54450	117.0	18.0	76.0	69.0	1050.0	5.2	60.0	1000.0	2.0	89.0	37.0	8.0	1.0	4.0	134.0	1
86LFA54450	100.0	20.0	98.0	73.0	-0-	6.4	-0-	850.0	2.0	90.0	35.0	1.0	1.8	1.0	156.0	10
86LFA54460	59.0	27.0	82.0	64.0	1350.0	5.8	95.0	1400.0	1.0	88.0	29.0	4.0	-0-	4.0	130.0	1
86LFA54460	36.0	26.0	104.0	66.0	-0-	7.0	-0-	1140.0	2.0	85.0	27.0	1.0	0.8	1.0	144.0	10
86LFA54470	43.0	22.0	82.0	57.0	1250.0	5.4	80.0	1300.0	1.0	89.0	36.0	9.0	-0-	4.0	126.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA54470	34.0	24.0	84.0	58.0	-0-	5.6	-0-	1100.0	-0-	96.0	36.0	7.0	0.6	2.0	167.0	2
86LFA54470	-0-	29.0	10.0	61.0	-0-	6.5	-0-	1100.0	2.0	91.0	30.0	-0-	-0-	-0-	141.0	10
86LFA54470	36.0	29.0	100.0	60.0	-0-	7.1	-0-	1200.0	2.0	90.0	34.0	1.0	1.0	1.0	156.0	11
86LFA54480	51.0	22.0	80.0	78.0	1250.0	6.0	40.0	2000.0	2.0	92.0	31.0	7.0	0.8	4.0	142.0	1
86LFA54480	35.0	28.0	96.0	77.0	-0-	7.0	-0-	1720.0	3.0	90.0	28.0	1.0	1.4	1.0	116.0	10
86LFA54490	55.0	18.0	82.0	73.0	1000.0	6.1	50.0	1300.0	1.0	85.0	33.0	5.0	0.5	2.0	134.0	1
86LFA54490	35.0	23.0	80.0	74.0	-0-	5.6	-0-	990.0	-0-	92.0	30.0	7.0	0.8	2.0	178.0	2
86LFA54490	-0-	26.0	98.0	73.0	-0-	6.3	-0-	1000.0	1.0	81.0	26.0	-0-	-0-	-0-	137.0	10
86LFA54490	39.0	26.0	100.0	73.0	-0-	6.8	-0-	1080.0	4.0	84.0	26.0	1.0	0.6	1.0	145.0	11
86LFA54600	53.0	15.0	54.0	23.0	680.0	7.7	60.0	740.0	2.0	17.0	90.0	2.0	1.0	6.0	171.0	1
86LFA54610	59.0	22.0	60.0	38.0	650.0	5.9	170.0	540.0	1.0	24.0	96.0	5.0	2.1	4.0	231.0	1
86LFA54620	49.0	21.0	50.0	33.0	730.0	5.4	95.0	1050.0	1.0	23.0	79.0	10.0	2.1	2.0	187.0	1
86LFA54630	49.0	18.0	56.0	38.0	770.0	6.6	30.0	600.0	1.0	22.0	91.0	6.0	3.1	4.0	142.0	1
86LFA54640	35.0	17.0	52.0	23.0	650.0	5.6	150.0	520.0	1.0	20.0	88.0	4.0	2.3	4.0	180.0	1
86LFA54650	141.0	23.0	43.0	43.0	940.0	6.1	145.0	1200.0	3.0	20.0	129.0	11.0	2.7	6.0	271.0	1
86LFA54660	45.0	25.0	80.0	55.0	700.0	6.0	125.0	940.0	1.0	38.0	58.0	6.0	2.5	2.0	153.0	1
86LFA54670	68.0	12.0	48.0	23.0	620.0	6.3	100.0	540.0	1.0	19.0	36.0	4.0	1.7	4.0	160.0	1
86LFA54680	136.0	34.0	102.0	55.0	800.0	7.0	115.0	2400.0	3.0	83.0	44.0	8.0	1.7	14.0	155.0	1
86LFA54680	100.0	35.0	114.0	56.0	-0-	8.7	-0-	2600.0	3.0	95.0	38.0	3.0	1.8	14.0	222.0	10
86LFA54690	132.0	57.0	88.0	124.0	940.0	7.8	40.0	8200.0	6.0	166.0	58.0	11.0	2.2	6.0	147.0	1
86LFA54700	55.0	12.0	36.0	19.0	680.0	4.6	40.0	740.0	1.0	16.0	77.0	7.0	1.1	4.0	100.0	1
86LFA54720	32.0	18.0	44.0	40.0	680.0	7.2	110.0	1300.0	1.0	18.0	118.0	-0-	3.7	4.0	150.0	1
86LFA54720	17.0	20.0	54.0	37.0	-0-	8.2	-0-	1380.0	1.0	27.0	104.0	1.0	3.6	1.0	221.0	10
86LFA54730	63.0	10.0	42.0	22.0	460.0	6.5	220.0	660.0	2.0	14.0	119.0	-0-	1.7	2.0	227.0	1
86LFA54740	24.0	22.0	44.0	33.0	590.0	6.8	295.0	860.0	1.0	23.0	113.0	6.0	1.7	2.0	208.0	1
86LFA54750	32.0	10.0	59.0	16.0	400.0	5.4	370.0	390.0	2.0	15.0	78.0	2.0	3.3	4.0	142.0	1
86LFA54760	26.0	29.0	64.0	53.0	700.0	6.0	40.0	1400.0	1.0	68.0	73.0	4.0	1.7	4.0	133.0	1
86LFA54760	26.0	29.0	64.0	55.0	730.0	6.2	45.0	1400.0	2.0	75.0	82.0	4.0	0.9	4.0	121.0	2
86LFA54770	21.0	19.0	56.0	32.0	530.0	6.1	150.0	840.0	1.0	26.0	49.0	3.0	1.5	4.0	164.0	1
86LFA55040	90.0	17.0	46.0	34.0	920.0	5.4	60.0	760.0	3.0	24.0	79.0	5.0	3.8	6.0	143.0	1
86LFA55130	54.0	19.0	36.0	62.0	880.0	6.7	85.0	1000.0	2.0	19.0	269.0	6.0	4.3	4.0	349.0	1
86LFA55130	35.0	20.0	50.0	39.0	-0-	6.8	-0-	1270.0	2.0	31.0	69.0	1.0	2.8	1.0	177.0	10
86LFA55140	53.0	19.0	44.0	39.0	800.0	5.9	160.0	1200.0	2.0	29.0	75.0	6.0	3.4	4.0	152.0	1
86LFA55150	37.0	29.0	38.0	40.0	920.0	5.9	50.0	1800.0	1.0	19.0	96.0	8.0	0.7	6.0	181.0	1
86LFA55160	117.0	25.0	46.0	102.0	880.0	7.2	65.0	1500.0	2.0	25.0	349.0	8.0	4.2	4.0	362.0	1
86LFA55160	46.0	27.0	54.0	116.0	-0-	8.8	-0-	1480.0	2.0	28.0	365.0	1.0	2.6	1.0	395.0	10
86LFA55170	50.0	17.0	36.0	29.0	640.0	6.7	240.0	960.0	2.0	18.0	151.0	3.0	2.6	4.0	288.0	1

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA55170	14.0	20.0	44.0	35.0	-0-	7.8	-0-	1100.0	2.0	22.0	158.0	2.0	2.6	1.0	270.0	10
86LFA55180	61.0	17.0	40.0	27.0	700.0	6.7	15.0	590.0	2.0	17.0	139.0	13.0	0.9	6.0	273.0	1
86LFA55190	98.0	20.0	50.0	92.0	960.0	7.3	65.0	1200.0	2.0	22.0	271.0	6.0	3.7	4.0	346.0	1
86LFA55190	60.0	22.0	50.0	103.0	-0-	8.0	-0-	1300.0	2.0	26.0	295.0	1.0	2.2	2.0	351.0	10
86LFA55190	60.0	21.0	54.0	106.0	-0-	8.3	-0-	1250.0	1.0	26.0	296.0	2.0	2.2	1.0	353.0	11
86LFA55200	51.0	28.0	160.0	66.0	740.0	7.2	65.0	1200.0	2.0	79.0	89.0	6.0	2.1	4.0	192.0	1
86LFA55210	79.0	13.0	40.0	35.0	540.0	7.3	260.0	860.0	2.0	14.0	201.0	6.0	0.7	6.0	164.0	1
86LFA55230	57.0	24.0	128.0	63.0	700.0	6.3	160.0	860.0	2.0	69.0	107.0	7.0	2.4	4.0	284.0	1
86LFA55230	56.0	25.0	124.0	67.0	840.0	6.9	155.0	940.0	2.0	71.0	102.0	3.0	1.4	4.0	289.0	2
86LFA55260	77.0	22.0	76.0	79.0	930.0	8.1	130.0	740.0	3.0	51.0	125.0	5.0	3.2	4.0	390.0	1
86LFA55260	-0-	24.0	90.0	79.0	-0-	8.8	-0-	800.0	1.0	54.0	130.0	-0-	-0-	-0-	443.0	10
86LFA55300	69.0	24.0	54.0	98.0	1000.0	8.5	70.0	960.0	2.0	24.0	174.0	6.0	3.7	4.0	289.0	1
86LFA55300	38.0	24.0	52.0	100.0	-0-	8.1	-0-	1100.0	2.0	31.0	208.0	2.0	2.2	2.0	276.0	10
86LFA55300	38.0	23.0	56.0	95.0	-0-	8.1	-0-	1040.0	3.0	31.0	201.0	1.0	2.0	1.0	270.0	11
86LFA55340	91.0	42.0	112.0	111.0	970.0	6.9	160.0	1550.0	2.0	75.0	68.0	6.0	3.1	4.0	160.0	1
86LFA55350	104.0	28.0	70.0	71.0	930.0	8.3	315.0	440.0	4.0	72.0	71.0	7.0	3.7	2.0	254.0	1
86LFA55360	99.0	37.0	128.0	77.0	800.0	7.8	140.0	830.0	2.0	77.0	73.0	6.0	2.6	4.0	187.0	1
86LFA55390	84.0	20.0	70.0	68.0	860.0	6.5	130.0	300.0	4.0	55.0	69.0	8.0	6.3	4.0	125.0	1
86LFA55390	83.0	18.0	64.0	65.0	950.0	5.7	150.0	330.0	4.0	51.0	64.0	1s	4.9	4.0	104.0	2
86LFA55400	108.0	32.0	62.0	86.0	970.0	7.6	70.0	700.0	3.0	64.0	59.0	10.0	4.3	4.0	153.0	1
86LFA55400	70.0	29.0	72.0	80.0	-0-	7.5	-0-	980.0	3.0	64.0	57.0	1.0	3.8	2.0	164.0	10
86LFA55410	135.0	27.0	56.0	95.0	1050.0	8.2	130.0	880.0	4.0	53.0	69.0	9.0	4.9	4.0	131.0	1
86LFA55410	100.0	27.0	68.0	91.0	-0-	8.1	-0-	1060.0	1.0	49.0	67.0	1.0	3.6	2.0	123.0	10
86LFA55420	68.0	29.0	84.0	82.0	1100.0	7.1	215.0	1200.0	2.0	48.0	149.0	5.0	2.5	4.0	278.0	1
86LFA55440	70.0	18.0	44.0	38.0	1050.0	6.7	110.0	520.0	2.0	24.0	113.0	4.0	1.6	4.0	253.0	1
86LFA55460	79.0	40.0	100.0	90.0	1000.0	8.1	20.0	2000.0	2.0	67.0	76.0	9.0	2.4	2.0	186.0	1
86LFA55480	59.0	23.0	56.0	82.0	1150.0	7.0	60.0	770.0	1.0	61.0	31.0	11.0	4.0	2.0	107.0	1
86LFA55480	39.0	25.0	68.0	78.0	-0-	7.6	-0-	880.0	1.0	55.0	34.0	1.0	2.5	3.0	119.0	10
86LFA55490	48.0	24.0	68.0	54.0	1050.0	6.7	30.0	960.0	1.0	63.0	41.0	10.0	3.7	4.0	117.0	1
86LFA55560	62.0	23.0	56.0	38.0	970.0	7.4	70.0	1400.0	2.0	26.0	188.0	5.0	4.0	4.0	353.0	1
86LFA55560	36.0	22.0	60.0	55.0	-0-	8.1	-0-	1480.0	3.0	31.0	200.0	1.0	3.0	1.0	354.0	10
86LFA55570	13.0	9.0	52.0	22.0	860.0	2.8	45.0	240.0	1.0	17.0	81.0	16.0	2.6	8.0	95.0	1
86LFA55580	38.0	22.0	38.0	40.0	830.0	7.7	173.0	880.0	2.0	13.0	178.0	6.0	2.4	2.0	317.0	1
86LFA55580	44.0	20.0	36.0	46.0	920.0	7.0	155.0	1000.0	2.0	14.0	192.0	6.0	0.9	2.0	315.0	2
86LFA55590	100.0	20.0	27.0	148.0	1000.0	7.8	270.0	1200.0	2.0	8.0	1613.0	4.0	2.6	2.0	803.0	1
86LFA55600	124.0	15.0	22.0	77.0	1300.0	6.0	230.0	1100.0	2.0	12.0	333.0	9.0	2.8	2.0	518.0	1
86LFA55600	100.0	15.0	30.0	73.0	-0-	6.2	-0-	1080.0	2.0	16.0	350.0	1.0	2.4	1.0	540.0	10

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA55610	190.0	13.0	36.0	305.0	1350.0	7.2	255.0	740.0	3.0	14.0	2931.0	5.0	1.2	2.0	713.0	1
86LFA55620	35.0	14.0	48.0	31.0	830.0	7.1	235.0	660.0	2.0	19.0	116.0	6.0	2.4	4.0	239.0	1
86LFA55630	28.0	29.0	40.0	33.0	970.0	8.7	90.0	1800.0	1.0	12.0	75.0	-0-	1.6	4.0	248.0	1
86LFA55640	12.0	15.0	40.0	24.0	-0-	6.8	-0-	1060.0	1.0	17.0	50.0	2.0	3.0	1.0	164.0	10
86LFA55660	168.0	26.0	140.0	170.0	1000.0	10.0	445.0	1400.0	24.0	102.0	146.0	5.0	1.8	6.0	159.0	1
86LFA55660	170.0	24.0	124.0	168.0	1000.0	9.4	250.0	1200.0	22.0	98.0	145.0	1.0	2.3	8.0	137.0	2
86LFA55670	135.0	31.0	76.0	71.0	930.0	7.4	300.0	1000.0	4.0	63.0	370.0	8.0	1.8	6.0	280.0	1
86LFA55680	99.0	60.0	88.0	125.0	1150.0	7.6	265.0	4400.0	4.0	141.0	70.0	2.0	2.2	6.0	195.0	1
86LFA55690	330.0	68.0	80.0	167.0	1200.0	7.5	130.0	5000.0	3.0	60.0	86.0	7.0	2.8	4.0	155.0	1
86LFA55700	258.0	15.0	45.0	152.0	590.0	10.4	165.0	560.0	22.0	29.0	147.0	3.0	2.4	4.0	175.0	1
86LFA55710	55.0	19.0	56.0	53.0	510.0	4.3	40.0	1300.0	2.0	51.0	49.0	4.0	1.6	2.0	200.0	1
86LFA55710	33.0	19.0	66.0	50.0	-0-	6.0	-0-	1250.0	1.0	53.0	49.0	1.0	1.6	3.0	179.0	10
86LFA55720	40.0	18.0	50.0	42.0	700.0	3.7	25.0	940.0	2.0	34.0	45.0	6.0	0.8	2.0	132.0	1
86LFA55720	34.0	18.0	48.0	39.0	-0-	4.8	-0-	830.0	2.0	39.0	49.0	6.0	1.9	4.0	145.0	2
86LFA55720	-0-	20.0	60.0	40.0	-0-	5.5	-0-	840.0	1.0	36.0	42.0	-0-	-0-	-0-	127.0	10
86LFA55720	30.0	20.0	60.0	38.0	-0-	5.7	-0-	900.0	1.0	36.0	44.0	1.0	1.6	3.0	124.0	11
86LFA55730	150.0	23.0	52.0	41.0	730.0	4.8	25.0	1400.0	3.0	37.0	88.0	3.0	2.2	4.0	187.0	1
86LFA55730	140.0	24.0	66.0	40.0	-0-	7.0	-0-	1400.0	3.0	38.0	95.0	1.0	3.2	2.0	170.0	10
86LFA55740	50.0	15.0	58.0	28.0	640.0	3.6	105.0	860.0	3.0	46.0	47.0	4.0	0.5	4.0	240.0	1
86LFA55750	48.0	27.0	100.0	54.0	730.0	3.7	40.0	1400.0	2.0	65.0	52.0	4.0	0.6	4.0	121.0	1
86LFA55750	29.0	29.0	116.0	60.0	-0-	6.3	-0-	1580.0	2.0	67.0	48.0	1.0	1.4	3.0	125.0	10
86LFA56160	56.0	13.0	34.0	74.0	1050.0	6.3	140.0	1200.0	2.0	16.0	320.0	5.0	3.4	4.0	456.0	1
86LFA56170	-0-	16.0	38.0	148.0	-0-	7.6	-0-	1120.0	1.0	13.0	670.0	-0-	-0-	-0-	500.0	10
86LFA56170	69.0	14.0	23.0	156.0	-0-	6.4	-0-	1400.0	2.0	13.0	912.0	6.0	3.3	4.0	504.0	2
86LFA56170	90.0	14.0	28.0	154.0	1250.0	7.6	255.0	1500.0	2.0	11.0	748.0	8.0	3.2	4.0	556.0	1
86LFA56170	60.0	18.0	38.0	174.0	-0-	8.6	-0-	1320.0	1.0	13.0	790.0	1.0	3.0	1.0	540.0	11
86LFA56180	126.0	12.0	30.0	141.0	1250.0	5.9	175.0	1000.0	3.0	17.0	756.0	12.0	2.3	4.0	1205.0	1
86LFA56180	110.0	18.0	38.0	138.0	-0-	6.4	-0-	900.0	2.0	18.0	760.0	1.0	2.6	1.0	910.0	10
86LFA56190	144.0	12.0	24.0	95.0	1250.0	5.6	225.0	1300.0	3.0	13.0	365.0	9.0	3.4	4.0	793.0	1
86LFA56190	110.0	18.0	34.0	89.0	-0-	6.0	-0-	1100.0	4.0	14.0	405.0	1.0	2.8	1.0	640.0	10
86LFA56200	121.0	16.0	32.0	111.0	1350.0	5.9	140.0	1300.0	3.0	16.0	494.0	5.0	4.2	4.0	624.0	1
86LFA56200	100.0	18.0	42.0	100.0	-0-	6.7	-0-	970.0	3.0	19.0	550.0	1.0	2.9	2.0	510.0	10
86LFA56210	73.0	11.0	40.0	67.0	1350.0	5.6	145.0	800.0	3.0	20.0	419.0	11.0	2.0	2.0	558.0	1
86LFA56210	55.0	15.0	48.0	64.0	-0-	5.9	-0-	700.0	3.0	23.0	476.0	1.0	2.4	1.0	487.0	10
86LFA56220	60.0	15.0	52.0	63.0	-0-	6.1	-0-	700.0	2.0	21.0	480.0	2.0	2.6	1.0	520.0	11
86LFA56220	130.0	10.0	34.0	183.0	1300.0	6.7	175.0	1100.0	4.0	15.0	2660.0	7.0	1.8	4.0	695.0	1
86LFA56220	-0-	14.0	46.0	161.0	-0-	7.0	-0-	880.0	1.0	17.0	2000.0	-0-	-0-	-0-	600.0	10

Sample	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Ni	Pb	Sn	U	W	Zn	O
86LFA56740	35.0	19.0	38.0	35.0	1180.0	4.9	130.0	950.0	1.0	18.0	110.0	-0-	1.5	2.0	214.0	1
86LFA56750	52.0	17.0	38.0	34.0	870.0	6.4	100.0	940.0	1.0	18.0	150.0	6.0	1.3	2.0	300.0	1
86LFA56760	96.0	14.0	39.0	21.0	900.0	6.3	200.0	520.0	1.0	12.0	128.0	4.0	1.1	4.0	265.0	1
86LFA56760	78.0	13.0	44.0	28.0	870.0	6.5	400.0	520.0	2.0	18.0	125.0	2.0	1.7	2.0	202.0	2
86LFA56770	48.0	19.0	42.0	40.0	840.0	6.3	145.0	920.0	2.0	18.0	109.0	4.0	2.2	4.0	193.0	1
86LFA56780	64.0	14.0	44.0	29.0	730.0	6.4	395.0	520.0	3.0	18.0	127.0	8.0	2.1	2.0	188.0	1
86LFA56790	54.0	18.0	46.0	33.0	800.0	7.6	110.0	680.0	2.0	21.0	72.0	-0-	0.9	2.0	231.0	1

TABLE IV

Northern New Brunswick <63µm

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA01760	1	1	7.9	1.0	14.0	150.0	3.9	-0-	-0-	79.0	0.6	11.0	2.2	1.0	50.0
85LFA01760	1	1	12.0	1.0	23.0	190.0	5.7	-0-	-0-	93.0	0.6	11.0	2.0	-0-	50.0
85LFA01770	1	1	21.0	1.0	26.0	200.0	5.5	-0-	-0-	130.0	0.8	14.0	2.4	1.0	50.0
85LFA01780	1	1	6.4	1.0	15.0	230.0	4.0	-0-	-0-	86.0	0.4	8.7	2.1	-0-	50.0
85LFA01790	1	1	12.0	1.0	24.0	200.0	5.2	-0-	-0-	94.0	1.1	10.0	1.9	1.0	50.0
85LFA01810	1	1	8.6	3.0	19.0	170.0	4.4	-0-	-0-	33.0	0.5	10.0	2.4	2.0	50.0
85LFA01820	1	1	20.0	2.0	12.0	120.0	4.3	-0-	3.0	25.0	2.6	12.0	3.5	1.0	100.0
85LFA01830	1	1	10.0	1.0	16.0	100.0	4.5	-0-	-0-	38.0	1.2	10.0	2.5	-0-	50.0
85LFA01830	1	1	4.3	1.0	13.0	110.0	3.7	-0-	-0-	48.0	0.7	9.3	2.4	-0-	50.0
85LFA01840	1	1	7.6	1.0	15.0	120.0	4.4	-0-	-0-	30.0	0.7	8.6	2.2	-0-	50.0
85LFA01850	2	1	8.8	2.0	15.0	110.0	4.7	-0-	1.0	43.0	0.8	10.0	2.6	2.0	100.0
85LFA01860	1	1	45.0	1.0	26.0	150.0	5.6	-0-	-0-	57.0	1.8	15.0	3.5	2.0	50.0
85LFA01860	1	1	26.0	1.0	25.0	130.0	5.1	-0-	-0-	77.0	0.8	11.0	2.7	-0-	50.0
85LFA01870	1	1	7.5	1.0	8.0	110.0	3.6	-0-	-0-	25.0	0.7	11.0	2.6	1.0	50.0
85LFA01880	1	1	8.2	1.0	15.0	120.0	4.5	-0-	-0-	58.0	0.8	11.0	2.4	2.0	50.0
85LFA01900	1	1	11.0	1.0	14.0	140.0	4.5	-0-	-0-	66.0	0.7	10.0	2.2	-0-	50.0
85LFA01930	1	1	8.6	1.0	13.0	140.0	4.2	-0-	-0-	49.0	1.8	8.8	2.1	-0-	50.0
85LFA01960	1	1	10.0	2.0	18.0	120.0	4.2	-0-	-0-	41.0	0.7	9.5	2.5	2.0	50.0
85LFA01970	1	1	9.3	23.0	10.0	110.0	3.4	-0-	-0-	22.0	0.8	8.0	2.1	-0-	50.0
85LFA01970	2	1	15.0	2.0	26.0	120.0	4.5	-0-	3.0	60.0	8.0	9.2	2.5	1.0	100.0
85LFA02400	1	1	43.0	5.0	25.0	110.0	6.0	-0-	5.0	44.0	6.3	14.0	5.2	2.0	50.0
85LFA02420	1	1	28.0	7.0	17.0	120.0	5.6	-0-	6.0	44.0	5.1	12.0	7.4	2.0	50.0
85LFA02430	1	1	25.0	1.0	24.0	110.0	6.2	-0-	-0-	47.0	4.7	12.0	3.1	2.0	50.0
85LFA02450	1	1	22.0	8.0	18.0	100.0	5.0	-0-	-0-	37.0	4.3	12.0	3.1	2.0	50.0
85LFA02460	1	1	23.0	4.0	16.0	90.0	4.8	-0-	1.0	35.0	2.4	13.0	3.2	4.0	50.0
85LFA02470	1	1	13.0	1.0	21.0	130.0	5.2	-0-	-0-	51.0	1.4	10.0	2.4	1.0	50.0
85LFA02470	1	1	14.0	1.0	18.0	140.0	5.4	-0-	-0-	51.0	1.4	10.0	2.5	1.0	50.0
85LFA02500	1	1	104.0	19.0	26.0	150.0	5.6	-0-	-0-	76.0	3.3	11.0	3.0	4.0	180.0
85LFA02510	1	1	88.0	9.0	23.0	150.0	5.6	-0-	-0-	61.0	2.3	12.0	3.4	2.0	50.0
85LFA02520	1	1	29.0	3.0	19.0	150.0	5.3	-0-	-0-	51.0	1.2	12.0	2.9	2.0	100.0
85LFA02520	2	1	28.0	2.0	19.0	110.0	5.0	-0-	1.0	38.0	1.2	11.0	2.8	2.0	100.0
85LFA02530	1	1	108.0	7.0	18.0	110.0	5.5	-0-	-0-	45.0	2.4	11.0	2.7	3.0	50.0
85LFA02540	1	1	80.1	6.0	24.0	140.0	6.2	-0-	-0-	52.0	4.0	15.0	5.0	3.0	50.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA02550	1	1	16.0	1.0	14.0	120.0	3.9	-0-	-0-	37.0	1.3	11.0	2.7	2.0	50.0
85LFA02560	1	1	23.0	5.0	15.0	120.0	4.6	-0-	-0-	37.0	2.1	11.0	3.0	2.0	50.0
85LFA02570	1	1	39.0	6.0	18.0	120.0	4.8	-0-	-0-	39.0	3.3	11.0	2.9	1.0	50.0
85LFA02600	1	1	23.0	1.0	14.0	120.0	4.9	-0-	1.0	43.0	2.8	12.0	3.3	2.0	50.0
85LFA02600	1	1	32.0	1.0	16.0	130.0	5.5	-0-	-0-	51.0	1.3	10.0	2.8	1.0	100.0
85LFA02650	1	1	38.0	4.0	20.0	110.0	5.3	-0-	-0-	41.0	1.7	12.0	3.4	2.0	50.0
85LFA02710	1	1	74.7	5.0	15.0	110.0	4.7	-0-	-0-	38.0	1.6	11.0	3.2	2.0	50.0
85LFA02720	1	1	25.0	1.0	17.0	110.0	4.5	-0-	-0-	45.0	1.5	16.0	3.7	2.0	50.0
85LFA02850	1	1	11.0	2.0	19.0	170.0	4.1	-0-	1.0	88.0	0.7	11.0	2.0	1.0	100.0
85LFA02850	1	1	11.0	2.0	19.0	140.0	5.7	-0-	1.0	62.0	0.6	12.0	2.4	1.0	100.0
85LFA02860	1	1	7.0	2.0	13.0	140.0	3.3	-0-	1.0	25.0	0.6	10.0	2.7	1.0	100.0
85LFA02870	1	1	14.0	2.0	15.0	160.0	4.1	-0-	1.0	77.0	0.7	11.0	2.5	1.0	100.0
85LFA02880	1	1	11.0	2.0	13.0	130.0	3.6	-0-	2.0	52.0	0.8	10.0	2.5	1.0	100.0
85LFA02890	1	1	29.0	2.0	5.0	74.0	4.7	-0-	3.0	25.0	1.5	18.0	5.1	4.0	100.0
85LFA03010	1	1	27.0	2.0	5.0	67.0	4.3	-0-	4.0	25.0	2.7	14.0	4.2	2.0	100.0
85LFA03030	1	1	21.0	2.0	14.0	110.0	5.0	-0-	2.0	52.0	2.2	14.0	4.9	3.0	100.0
85LFA03050	1	1	69.0	7.0	34.0	96.0	6.6	-0-	6.0	55.0	4.5	18.0	5.9	3.0	100.0
85LFA03060	1	1	26.0	4.0	16.0	87.0	5.3	-0-	-0-	38.0	2.3	13.0	3.8	3.0	50.0
85LFA03080	1	1	19.0	2.0	16.0	100.0	4.8	-0-	2.0	25.0	1.5	16.0	4.2	1.0	100.0
85LFA03080	1	1	4.0	2.0	5.0	97.0	5.0	-0-	1.0	25.0	0.8	13.0	2.9	2.0	100.0
85LFA03090	1	1	6.0	2.0	22.0	240.0	4.9	-0-	2.0	88.0	0.8	15.0	3.7	2.0	100.0
85LFA03100	1	1	51.0	2.0	14.0	77.0	4.9	-0-	3.0	25.0	1.2	18.0	4.3	3.0	100.0
85LFA03110	1	1	14.0	2.0	10.0	110.0	3.8	-0-	2.0	54.0	0.9	14.0	3.5	2.0	100.0
85LFA03130	1	1	25.0	2.0	11.0	88.0	4.4	-0-	4.0	25.0	1.5	15.0	4.2	2.0	100.0
85LFA03150	1	1	25.0	1.0	19.0	120.0	5.2	-0-	-0-	47.0	1.5	10.0	2.7	1.0	50.0
85LFA03150	1	1	13.0	1.0	21.0	120.0	4.9	-0-	-0-	40.0	1.4	10.0	2.6	1.0	50.0
85LFA03160	2	1	15.0	2.0	19.0	120.0	5.0	-0-	1.0	44.0	1.4	11.0	2.7	2.0	100.0
85LFA03170	1	1	15.0	1.0	15.0	120.0	4.7	-0-	-0-	38.0	1.6	8.7	2.3	-0-	50.0
85LFA03180	1	1	18.0	14.0	30.0	180.0	6.9	-0-	-0-	75.0	2.4	10.0	4.2	1.0	50.0
85LFA03190	1	1	20.0	1.0	16.0	150.0	5.2	-0-	-0-	45.0	2.2	13.0	3.1	2.0	50.0
85LFA03190	2	1	19.0	2.0	16.0	140.0	5.1	-0-	1.0	38.0	2.2	12.0	3.0	2.0	100.0
85LFA03200	1	1	32.0	1.0	22.0	150.0	4.9	-0-	-0-	54.0	15.0	10.0	2.5	2.0	50.0
85LFA03210	1	1	16.0	3.0	33.0	150.0	5.5	-0-	-0-	60.0	1.4	10.0	2.8	2.0	50.0
85LFA03240	1	1	35.0	15.0	28.0	160.0	6.5	-0-	-0-	61.0	3.5	10.0	3.1	1.0	50.0
85LFA03260	1	1	18.0	7.0	20.0	110.0	4.8	-0-	-0-	48.0	1.8	11.0	2.8	2.0	50.0
85LFA03290	1	1	17.0	4.0	12.0	110.0	4.0	-0-	-0-	33.0	2.3	10.0	2.8	1.0	50.0
85LFA03300	1	1	25.0	1.0	29.0	170.0	5.9	-0-	-0-	47.0	1.7	9.0	2.4	1.0	50.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA03300	1	1	10.0	1.0	17.0	130.0	4.3	-0-	-0-	43.0	0.6	8.7	2.1	2.0	50.0
85LFA03310	1	1	6.5	1.0	9.0	120.0	3.1	-0-	-0-	22.0	0.7	12.0	2.9	1.0	50.0
85LFA03320	2	1	6.6	2.0	9.0	120.0	3.2	-0-	1.0	20.0	0.8	13.0	3.3	1.0	100.0
85LFA03330	1	1	6.5	1.0	10.0	110.0	3.2	-0-	-0-	29.0	0.6	16.0	3.4	2.0	50.0
85LFA03330	1	1	5.7	1.0	9.0	81.0	3.1	-0-	-0-	24.0	0.6	13.0	3.0	1.0	50.0
85LFA03340	1	1	7.5	1.0	12.0	120.0	3.6	-0-	-0-	41.0	0.7	10.0	2.5	1.0	50.0
85LFA03350	1	1	7.1	1.0	12.0	140.0	3.6	-0-	-0-	33.0	0.8	11.0	2.9	-0-	50.0
85LFA03390	1	1	11.0	4.0	16.0	130.0	4.5	-0-	-0-	44.0	0.9	10.0	2.5	1.0	50.0
85LFA03400	1	1	13.0	3.0	18.0	110.0	5.1	-0-	-0-	48.0	0.6	8.4	2.5	-0-	50.0
85LFA03420	1	1	16.0	1.0	19.0	120.0	4.8	-0-	-0-	49.0	0.6	8.7	2.9	2.0	50.0
85LFA03420	1	1	14.0	1.0	20.0	150.0	5.4	-0-	-0-	65.0	0.7	10.0	2.4	-0-	50.0
85LFA03460	1	1	14.0	1.0	22.0	150.0	5.8	-0-	-0-	59.0	0.9	11.0	2.8	-0-	50.0
85LFA03490	1	1	44.0	6.0	17.0	100.0	4.8	-0-	-0-	38.0	11.0	11.0	3.0	2.0	50.0
85LFA03500	1	1	28.0	1.0	19.0	140.0	5.6	-0-	-0-	53.0	4.3	12.0	2.9	3.0	50.0
85LFA03510	1	1	35.0	5.0	28.0	190.0	6.8	-0-	-0-	93.0	3.1	10.0	2.8	2.0	50.0
85LFA03520	1	1	13.0	3.0	35.0	90.0	7.8	-0-	-0-	50.0	1.6	8.0	2.3	-0-	50.0
85LFA03730	1	1	14.0	2.0	15.0	88.0	4.2	-0-	1.0	25.0	0.7	10.0	2.6	3.0	100.0
85LFA03730	1	1	24.0	2.0	5.0	25.0	5.1	-0-	4.0	25.0	1.2	19.0	6.4	2.0	100.0
85LFA03740	1	1	14.0	2.0	15.0	53.0	5.1	-0-	3.0	25.0	1.1	19.0	5.1	1.0	100.0
85LFA03750	1	1	10.0	2.0	16.0	25.0	5.2	-0-	2.0	25.0	1.0	12.0	3.7	2.0	100.0
85LFA03760	1	1	7.0	2.0	5.0	25.0	3.3	-0-	1.0	25.0	0.6	10.0	3.2	3.0	100.0
85LFA03770	1	1	13.0	2.0	13.0	83.0	4.4	-0-	2.0	25.0	0.9	17.0	4.1	1.0	100.0
85LFA03800	1	1	26.0	12.0	5.0	61.0	3.4	-0-	1.0	25.0	2.0	20.0	5.2	4.0	100.0
85LFA03820	1	1	14.0	2.0	19.0	180.0	5.3	-0-	2.0	78.0	1.0	16.0	4.5	5.0	100.0
85LFA03820	1	1	15.0	2.0	35.0	120.0	5.9	-0-	1.0	70.0	1.1	14.0	3.8	2.0	100.0
85LFA03830	1	1	52.0	2.0	18.0	170.0	5.1	-0-	9.0	74.0	5.0	12.0	4.9	4.0	100.0
85LFA03860	1	1	45.0	2.0	26.0	100.0	5.3	-0-	6.0	25.0	4.3	12.0	4.0	4.0	210.0
85LFA03870	1	1	17.0	2.0	5.0	53.0	3.7	-0-	3.0	25.0	1.8	18.0	4.9	2.0	100.0
85LFA03960	1	1	39.0	7.0	12.0	88.0	5.0	-0-	2.0	25.0	2.2	18.0	4.9	3.0	100.0
85LFA03970	1	1	35.0	6.0	19.0	100.0	6.0	-0-	-0-	44.0	2.8	15.0	4.1	2.0	50.0
85LFA03980	1	1	26.0	2.0	5.0	76.0	3.6	-0-	5.0	25.0	1.8	13.0	4.0	4.0	100.0
85LFA03980	1	1	28.0	2.0	12.0	100.0	3.8	-0-	5.0	59.0	3.1	12.0	3.2	1.0	100.0
85LFA03990	1	1	37.0	2.0	12.0	25.0	4.2	-0-	3.0	25.0	2.2	13.0	3.9	4.0	100.0
85LFA04480	1	1	48.0	11.0	5.0	67.0	3.4	-0-	3.0	25.0	3.3	20.0	5.0	2.0	100.0
85LFA04490	1	1	84.0	2.0	18.0	120.0	4.9	-0-	4.0	25.0	2.8	17.0	5.2	3.0	100.0
85LFA04510	1	1	23.0	1.0	17.0	81.0	5.5	-0-	-0-	10.0	2.8	18.0	4.1	2.0	50.0
85LFA04520	1	1	35.0	5.0	12.0	87.0	4.8	-0-	-0-	25.0	2.1	17.0	4.7	3.0	50.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA04530	1	1	19.0	1.0	27.0	130.0	6.4	-0-	-0-	76.0	2.0	11.0	3.0	-0-	50.0
85LFA04530	1	1	21.0	1.0	27.0	130.0	6.3	-0-	-0-	52.0	2.5	12.0	3.5	-0-	50.0
85LFA04570	1	1	29.0	2.0	13.0	83.0	3.7	-0-	1.0	25.0	1.4	13.0	3.3	3.0	100.0
85LFA04620	1	1	24.0	1.0	21.0	120.0	6.0	-0-	-0-	39.0	2.1	11.0	2.8	2.0	50.0
85LFA04640	1	1	47.0	4.0	27.0	130.0	6.8	-0-	-0-	57.0	3.4	14.0	3.5	3.0	50.0
85LFA04670	1	1	26.0	1.0	17.0	110.0	4.9	-0-	-0-	40.0	2.3	12.0	3.2	2.0	50.0
85LFA04670	1	1	35.0	1.0	20.0	110.0	5.7	-0-	-0-	54.0	3.0	12.0	3.2	2.0	50.0
85LFA04690	1	1	38.0	1.0	20.0	110.0	5.7	-0-	-0-	43.0	3.2	12.0	3.0	3.0	50.0
85LFA04720	1	1	24.0	4.0	15.0	110.0	5.0	-0-	-0-	53.0	2.7	13.0	3.1	3.0	50.0
85LFA04740	1	1	23.0	1.0	18.0	86.0	5.0	-0-	-0-	28.0	2.2	15.0	4.3	2.0	50.0
85LFA04740	1	1	17.0	1.0	15.0	96.0	4.3	-0-	-0-	26.0	2.0	13.0	4.5	2.0	50.0
85LFA04760	1	1	20.0	18.0	14.0	66.0	4.5	-0-	-0-	29.0	2.9	13.0	3.9	2.0	50.0
85LFA04770	1	1	18.0	1.0	13.0	97.0	4.9	-0-	-0-	34.0	2.6	13.0	3.5	2.0	50.0
85LFA04770	1	1	19.0	1.0	11.0	68.0	4.3	-0-	-0-	24.0	2.4	13.0	3.5	3.0	50.0
85LFA04830	1	1	22.0	3.0	17.0	89.0	5.3	-0-	-0-	34.0	2.4	14.0	3.6	2.0	50.0
85LFA04840	1	1	28.0	1.0	15.0	82.0	5.0	-0-	-0-	40.0	2.3	16.0	3.9	3.0	50.0
85LFA04840	1	1	29.0	1.0	15.0	79.0	4.9	-0-	-0-	35.0	1.4	19.0	4.9	3.0	50.0
85LFA05010	1	1	8.0	2.0	5.0	25.0	0.8	-0-	1.0	25.0	0.8	15.0	4.0	1.0	100.0
85LFA05030	1	1	18.0	3.0	14.0	89.0	4.3	-0-	-0-	32.0	1.2	17.0	4.1	3.0	50.0
85LFA05040	1	1	9.0	1.0	14.0	140.0	3.9	-0-	-0-	47.0	1.0	10.0	2.6	-0-	50.0
85LFA05040	1	1	40.0	1.0	16.0	140.0	5.3	-0-	-0-	48.0	1.9	13.0	2.9	2.0	50.0
85LFA05050	1	1	17.0	1.0	21.0	130.0	5.4	-0-	-0-	59.0	1.6	12.0	3.3	2.0	50.0
85LFA05060	1	1	13.0	1.0	16.0	140.0	4.9	-0-	-0-	34.0	1.7	10.0	2.5	-0-	50.0
85LFA05070	1	1	5.8	1.0	10.0	170.0	3.5	-0-	-0-	37.0	0.6	11.0	2.9	-0-	50.0
85LFA05080	1	1	8.0	2.0	5.0	150.0	4.2	-0-	1.0	54.0	0.5	9.4	2.5	1.0	100.0
85LFA05080	2	1	5.1	2.0	10.0	160.0	3.4	-0-	1.0	27.0	0.5	10.0	2.8	2.0	100.0
85LFA05100	1	1	5.6	1.0	12.0	180.0	4.0	-0-	-0-	36.0	0.6	8.4	2.2	2.0	50.0
85LFA05100	1	1	8.0	1.0	18.0	160.0	5.0	-0-	-0-	57.0	0.9	10.0	2.2	-0-	50.0
85LFA05110	1	1	10.0	1.0	19.0	130.0	5.0	-0-	-0-	29.0	0.5	8.8	2.4	-0-	50.0
85LFA05130	1	1	5.9	1.0	12.0	130.0	3.6	-0-	-0-	31.0	0.7	9.0	2.3	-0-	50.0
85LFA05140	1	1	6.4	1.0	9.0	120.0	3.3	-0-	-0-	34.0	0.8	10.0	3.0	-0-	150.0
85LFA05150	1	1	5.4	1.0	13.0	130.0	3.8	-0-	-0-	29.0	0.6	9.5	2.5	3.0	50.0
85LFA05180	1	1	13.0	1.0	21.0	230.0	5.0	-0-	-0-	96.0	1.0	11.0	2.3	2.0	50.0
85LFA05500	1	1	4.9	1.0	9.0	190.0	2.9	-0-	-0-	33.0	0.5	10.0	2.6	1.0	50.0
85LFA05510	1	1	6.0	1.0	10.0	150.0	2.6	-0-	-0-	33.0	0.8	8.8	2.3	-0-	50.0
85LFA05550	1	1	8.1	1.0	12.0	86.0	3.5	-0-	-0-	28.0	1.0	8.9	2.2	2.0	50.0
85LFA05560	1	1	7.4	1.0	21.0	120.0	5.5	-0-	-0-	41.0	1.2	14.0	3.0	-0-	50.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA05570	1	1	7.0	1.0	17.0	130.0	4.6	-0-	-0-	38.0	0.7	14.0	3.3	-0-	50.0
85LFA05580	1	1	7.2	1.0	10.0	150.0	2.7	-0-	-0-	38.0	0.6	10.0	2.5	2.0	50.0
85LFA05590	2	1	6.7	2.0	10.0	160.0	2.8	-0-	1.0	32.0	0.6	10.0	2.5	2.0	100.0
85LFA05600	1	1	8.7	1.0	10.0	210.0	3.5	-0-	-0-	52.0	0.7	10.0	2.4	2.0	50.0
85LFA05610	1	1	9.3	3.0	23.0	180.0	4.6	-0-	-0-	89.0	0.7	10.0	2.0	-0-	50.0
85LFA05620	1	1	6.0	1.0	17.0	150.0	4.5	-0-	-0-	78.0	0.3	11.0	2.1	-0-	50.0
86LFA50000	1	1	41.0	6.0	16.0	120.0	4.1	210.0	3.0	44.0	1.3	13.0	3.1	2.0	250.0
86LFA50020	1	1	77.2	1.0	26.0	140.0	6.8	-0-	3.0	63.0	2.9	11.0	2.7	1.0	470.0
86LFA50040	1	1	16.0	4.0	18.0	130.0	4.6	75.0	1.0	63.0	1.1	12.0	3.0	2.0	230.0
86LFA50040	1	1	26.0	4.0	26.0	140.0	6.4	190.0	2.0	61.0	1.4	14.0	3.2	2.0	280.0
86LFA50070	1	1	27.0	1.0	15.0	110.0	4.3	70.0	3.0	38.0	1.2	22.0	4.8	2.0	200.0
86LFA50080	1	1	76.9	3.0	15.0	87.0	5.5	90.0	5.0	35.0	1.5	18.0	4.7	3.0	240.0
86LFA50110	1	1	13.0	1.0	13.0	140.0	4.1	75.0	2.0	46.0	1.3	10.0	2.7	1.0	180.0
86LFA50120	1	1	17.0	3.0	15.0	130.0	4.6	110.0	2.0	40.0	1.2	9.4	2.6	2.0	170.0
86LFA50130	1	1	14.0	1.0	16.0	170.0	4.5	105.0	4.0	50.0	1.3	9.5	2.7	2.0	240.0
86LFA50140	1	1	16.0	3.0	16.0	140.0	4.6	55.0	2.0	48.0	1.1	10.0	2.6	2.0	240.0
86LFA50150	1	1	17.0	1.0	17.0	140.0	5.1	120.0	3.0	35.0	1.0	10.0	2.9	3.0	260.0
86LFA50150	1	1	23.0	1.0	16.0	130.0	5.0	110.0	3.0	42.0	1.2	13.0	5.0	2.0	210.0
86LFA50180	1	1	23.0	4.0	14.0	120.0	5.0	120.0	3.0	55.0	1.3	15.0	3.9	2.0	190.0
86LFA50190	1	1	27.0	1.0	15.0	120.0	5.0	145.0	2.0	43.0	1.5	14.0	3.3	2.0	270.0
86LFA50200	1	1	33.0	2.0	15.0	120.0	4.9	80.0	3.0	52.0	1.3	10.0	2.8	3.0	250.0
86LFA50220	1	1	35.0	8.0	20.0	150.0	5.2	-0-	3.0	69.0	3.0	14.0	4.0	2.0	180.0
86LFA50230	1	1	63.8	3.0	14.0	150.0	4.6	40.0	3.0	66.0	1.3	11.0	3.9	3.0	240.0
86LFA50240	1	1	52.2	1.0	13.0	150.0	4.5	-0-	4.0	47.0	2.1	12.0	4.4	2.0	230.0
86LFA50240	1	1	68.6	1.0	25.0	160.0	5.1	-0-	4.0	51.0	1.7	11.0	4.6	3.0	190.0
86LFA50250	1	1	16.0	1.0	13.0	120.0	4.4	-0-	2.0	40.0	1.0	13.0	3.2	1.0	100.0
86LFA50270	1	1	45.0	4.0	10.0	150.0	4.3	110.0	6.0	42.0	1.5	13.0	5.9	2.0	460.0
86LFA50280	1	1	67.5	5.0	20.0	140.0	5.5	-0-	3.0	67.0	2.6	9.4	3.4	2.0	330.0
86LFA50290	1	1	17.0	1.0	16.0	130.0	3.5	-0-	1.0	31.0	1.4	10.0	2.8	1.0	50.0
86LFA50290	1	1	19.0	1.0	17.0	110.0	4.4	50.0	2.0	34.0	1.6	12.0	2.9	2.0	130.0
86LFA50300	1	1	13.0	1.0	16.0	100.0	4.3	80.0	2.0	55.0	1.2	11.0	3.0	2.0	230.0
86LFA50320	1	1	12.0	1.0	17.0	130.0	4.0	35.0	2.0	30.0	1.2	11.0	2.8	1.0	50.0
86LFA50330	1	1	14.0	1.0	14.0	140.0	4.4	35.0	2.0	40.0	2.0	11.0	3.0	1.0	50.0
86LFA50350	1	1	17.0	1.0	17.0	130.0	4.7	125.0	3.0	42.0	2.3	11.0	2.8	2.0	200.0
86LFA50370	1	1	47.0	7.0	17.0	130.0	5.7	-0-	3.0	62.0	5.2	12.0	3.2	-0-	170.0
86LFA50380	1	1	28.0	1.0	22.0	140.0	5.7	-0-	3.0	62.0	2.8	13.0	3.1	1.0	140.0
86LFA50390	1	1	30.0	7.0	50.0	120.0	5.0	240.0	4.0	59.0	1.8	13.0	10.0	1.0	360.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA50390	2	1	30.0	2.0	49.0	130.0	5.1	210.0	4.0	47.0	1.7	14.0	10.0	1.0	330.0
86LFA50400	1	1	23.0	1.0	14.0	110.0	4.6	45.0	4.0	50.0	1.7	21.0	4.9	3.0	210.0
86LFA50400	1	1	15.0	1.0	11.0	140.0	3.7	45.0	4.0	34.0	1.2	12.0	5.6	2.0	50.0
86LFA50410	1	1	12.0	1.0	12.0	130.0	4.4	-	2.0	50.0	1.1	12.0	3.0	3.0	50.0
86LFA50430	1	1	17.0	4.0	6.0	110.0	3.8	-	2.0	10.0	0.8	11.0	4.1	3.0	50.0
86LFA50440	1	1	35.0	1.0	15.0	130.0	4.5	-	2.0	45.0	1.4	13.0	3.2	2.0	50.0
86LFA50450	1	1	127.0	8.0	17.0	150.0	4.4	60.0	4.0	42.0	7.7	13.0	3.9	2.0	310.0
86LFA50450	2	1	135.0	6.0	17.0	140.0	4.6	60.0	110.0	51.0	7.9	13.0	4.0	1.0	400.0
86LFA50460	1	1	35.0	9.0	16.0	120.0	4.5	25.0	2.0	38.0	4.0	11.0	2.7	3.0	160.0
86LFA50470	1	1	12.0	1.0	14.0	110.0	3.6	35.0	2.0	25.0	1.5	11.0	2.7	2.0	110.0
86LFA50470	1	1	14.0	1.0	17.0	120.0	4.3	45.0	1.0	39.0	2.0	12.0	2.8	2.0	110.0
86LFA50490	1	1	26.0	7.0	20.0	130.0	4.2	60.0	2.0	62.0	3.4	12.0	3.2	2.0	260.0
86LFA50510	1	1	37.0	9.0	13.0	140.0	4.3	50.0	2.0	40.0	3.3	11.0	3.2	2.0	1000.0
86LFA50510	2	1	41.0	9.0	13.0	160.0	4.3	35.0	2.0	39.0	3.6	12.0	3.4	1.0	1000.0
86LFA50520	1	1	19.0	4.0	19.0	140.0	4.6	40.0	2.0	51.0	1.4	12.0	2.8	2.0	170.0
86LFA50530	1	1	24.0	5.0	15.0	150.0	4.2	35.0	2.0	57.0	1.5	12.0	2.9	2.0	50.0
86LFA50540	1	1	36.0	14.0	17.0	140.0	4.8	35.0	2.0	46.0	2.3	13.0	3.0	3.0	130.0
86LFA50550	1	1	23.0	22.0	16.0	130.0	4.7	40.0	2.0	42.0	1.5	12.0	2.7	-	150.0
86LFA50560	1	1	39.0	1.0	18.0	140.0	4.5	30.0	2.0	43.0	1.1	12.0	2.9	2.0	200.0
86LFA50570	1	1	109.0	54.0	21.0	140.0	4.8	50.0	3.0	61.0	2.4	13.0	2.9	4.0	50.0
86LFA50590	1	1	54.7	8.0	17.0	150.0	4.8	55.0	3.0	73.0	2.2	11.0	2.7	2.0	220.0
86LFA50600	1	1	10.0	3.0	13.0	140.0	3.6	40.0	2.0	35.0	1.1	11.0	2.7	2.0	50.0
86LFA50610	1	1	23.0	9.0	23.0	140.0	6.6	165.0	6.0	81.0	3.1	12.0	4.4	2.0	300.0
86LFA50620	1	1	57.7	20.0	17.0	130.0	5.4	140.0	3.0	52.0	24.0	12.0	3.8	2.0	520.0
86LFA50630	1	1	15.0	1.0	15.0	120.0	4.1	35.0	2.0	46.0	1.3	13.0	3.3	2.0	160.0
86LFA50630	2	1	16.0	2.0	16.0	150.0	4.5	30.0	2.0	51.0	1.4	14.0	3.5	2.0	140.0
86LFA50640	1	1	13.0	4.0	12.0	140.0	4.9	140.0	2.0	45.0	1.1	11.0	2.8	1.0	130.0
86LFA50650	1	1	11.0	1.0	15.0	140.0	4.4	95.0	2.0	39.0	1.2	11.0	2.7	1.0	150.0
86LFA50650	1	1	12.0	1.0	18.0	130.0	4.8	65.0	3.0	54.0	1.1	11.0	2.6	-	170.0
86LFA50670	1	1	12.0	6.0	15.0	140.0	4.5	90.0	1.0	55.0	1.0	11.0	2.7	-	210.0
86LFA50680	1	1	90.4	10.0	25.0	140.0	5.5	70.0	3.0	68.0	6.1	11.0	2.9	2.0	230.0
86LFA50690	1	1	20.0	1.0	17.0	120.0	4.2	40.0	2.0	43.0	2.4	11.0	2.6	3.0	120.0
86LFA50700	1	1	21.0	4.0	18.0	120.0	5.5	65.0	2.0	47.0	3.4	10.0	2.6	1.0	140.0
86LFA50720	1	1	27.0	1.0	20.0	120.0	5.1	85.0	3.0	41.0	5.4	11.0	2.8	2.0	170.0
86LFA50730	1	1	19.0	4.0	16.0	110.0	4.7	45.0	3.0	42.0	3.2	11.0	2.8	2.0	100.0
86LFA50750	1	1	26.0	1.0	21.0	140.0	5.5	60.0	2.0	59.0	3.8	10.0	2.8	2.0	120.0
86LFA50760	1	1	18.0	5.0	18.0	100.0	4.8	45.0	2.0	42.0	3.6	10.0	2.9	2.0	160.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA50760	2	1	21.0	4.0	21.0	110.0	5.3	40.0	2.0	55.0	4.0	11.0	3.2	3.0	150.0
86LFA50770	1	1	28.0	5.0	23.0	130.0	5.3	45.0	4.0	65.0	4.5	12.0	3.5	2.0	150.0
86LFA50770	1	1	20.0	5.0	16.0	140.0	4.4	40.0	2.0	55.0	1.9	12.0	3.0	2.0	140.0
86LFA50810	1	1	40.0	8.0	12.0	120.0	4.4	40.0	4.0	52.0	2.2	13.0	3.1	3.0	130.0
86LFA50850	1	1	27.0	1.0	18.0	130.0	5.6	80.0	2.0	42.0	1.8	11.0	3.0	3.0	150.0
86LFA50870	1	1	19.0	6.0	31.0	140.0	5.6	85.0	3.0	64.0	3.9	14.0	4.9	2.0	130.0
86LFA50880	1	1	54.1	1.0	24.0	120.0	6.2	55.0	3.0	54.0	2.7	12.0	3.3	3.0	150.0
86LFA50910	1	1	51.6	14.0	23.0	110.0	5.2	40.0	3.0	38.0	6.6	12.0	3.6	2.0	170.0
86LFA50920	1	1	22.0	4.0	19.0	120.0	5.6	55.0	2.0	34.0	3.7	12.0	3.3	2.0	180.0
86LFA50930	1	1	24.0	9.0	22.0	140.0	5.5	70.0	2.0	53.0	3.4	10.0	2.8	2.0	150.0
86LFA50940	1	1	18.0	1.0	16.0	120.0	4.6	60.0	1.0	44.0	2.7	9.1	2.7	2.0	230.0
86LFA50940	1	1	120.0	1.0	20.0	130.0	7.8	215.0	3.0	23.0	1.5	5.1	1.6	3.0	200.0
86LFA50990	1	1	42.0	4.0	22.0	130.0	5.5	130.0	4.0	47.0	1.9	10.0	2.7	3.0	200.0
86LFA51000	1	1	26.0	1.0	12.0	140.0	5.6	140.0	3.0	42.0	1.4	11.0	3.6	2.0	140.0
86LFA51000	1	1	40.0	1.0	25.0	150.0	5.7	60.0	5.0	52.0	3.3	11.0	3.0	-0-	190.0
86LFA51010	1	1	27.0	1.0	22.0	140.0	5.6	75.0	2.0	50.0	1.9	11.0	2.9	2.0	50.0
86LFA51020	1	1	38.0	1.0	21.0	140.0	5.9	40.0	2.0	45.0	4.0	11.0	2.8	3.0	240.0
86LFA51060	1	1	24.0	9.0	18.0	120.0	4.4	145.0	2.0	45.0	1.1	11.0	2.7	-0-	140.0
86LFA51070	1	1	13.0	4.0	14.0	130.0	4.3	40.0	1.0	47.0	1.3	10.0	2.8	2.0	120.0
86LFA51070	1	1	19.0	4.0	14.0	140.0	4.6	45.0	3.0	47.0	2.4	11.0	3.0	-0-	170.0
86LFA51090	1	1	57.2	1.0	14.0	170.0	4.3	-0-	2.0	75.0	2.5	10.0	3.5	2.0	180.0
86LFA51090	1	1	16.0	1.0	13.0	130.0	4.2	60.0	2.0	45.0	1.1	10.0	2.5	2.0	150.0
86LFA51100	1	1	14.0	1.0	9.0	120.0	4.3	40.0	3.0	27.0	1.0	9.2	2.7	1.0	50.0
86LFA51100	1	1	17.0	1.0	12.0	150.0	3.9	25.0	1.0	35.0	1.3	12.0	2.8	2.0	50.0
86LFA51120	1	1	32.0	1.0	11.0	130.0	4.7	-0-	3.0	48.0	1.7	10.0	2.9	2.0	130.0
86LFA51140	1	1	34.0	5.0	20.0	130.0	5.0	40.0	1.0	45.0	1.9	12.0	2.6	2.0	110.0
86LFA51140	1	1	16.0	5.0	16.0	120.0	4.4	65.0	3.0	32.0	1.1	10.0	2.7	2.0	100.0
86LFA51160	1	1	42.0	4.0	19.0	150.0	4.9	-0-	1.0	63.0	3.3	12.0	3.1	2.0	110.0
86LFA51170	1	1	29.0	1.0	14.0	150.0	4.8	60.0	2.0	35.0	2.4	10.0	2.6	3.0	120.0
86LFA51170	1	1	15.0	1.0	11.0	140.0	4.2	85.0	2.0	39.0	1.1	8.0	2.5	2.0	200.0
86LFA51180	1	1	14.0	1.0	13.0	170.0	4.2	105.0	2.0	44.0	1.1	8.9	2.3	1.0	150.0
86LFA51210	1	1	47.0	4.0	28.0	160.0	4.3	165.0	2.0	72.0	1.1	7.6	2.3	-0-	120.0
86LFA51220	1	1	34.0	3.0	14.0	130.0	4.6	125.0	3.0	31.0	1.3	14.0	3.6	2.0	190.0
86LFA51230	1	1	62.1	8.0	15.0	120.0	5.6	120.0	3.0	40.0	2.2	11.0	3.6	2.0	190.0
86LFA51240	1	1	48.0	4.0	20.0	130.0	4.0	65.0	5.0	44.0	2.0	9.2	3.4	2.0	170.0
86LFA51240	2	1	54.4	3.0	22.0	140.0	4.4	55.0	4.0	22.0	2.2	11.0	4.1	2.0	210.0
86LFA51250	1	1	7.8	2.0	9.0	120.0	3.0	-0-	2.0	44.0	0.8	8.6	3.1	2.0	220.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA51260	1	1	35.0	1.0	15.0	120.0	5.9	165.0	3.0	42.0	1.0	8.0	2.3	1.0	390.0
86LFA51260	1	1	12.0	1.0	11.0	150.0	3.8	120.0	2.0	28.0	1.2	10.0	2.8	2.0	230.0
86LFA51280	1	1	43.0	6.0	21.0	130.0	5.5	40.0	2.0	70.0	3.9	13.0	3.8	2.0	160.0
86LFA51290	1	1	51.4	11.0	17.0	140.0	5.0	80.0	4.0	66.0	3.8	11.0	3.3	2.0	220.0
86LFA51300	1	1	24.0	6.0	11.0	130.0	3.3	60.0	3.0	30.0	3.2	10.0	3.3	2.0	150.0
86LFA51310	1	1	15.0	9.0	17.0	130.0	4.4	75.0	4.0	33.0	2.4	10.0	3.7	2.0	190.0
86LFA51320	1	1	27.0	4.0	12.0	120.0	4.8	55.0	3.0	25.0	4.8	11.0	3.1	3.0	170.0
86LFA51320	2	1	29.0	4.0	10.0	98.0	4.5	45.0	3.0	35.0	5.1	11.0	3.4	3.0	200.0
86LFA51330	1	1	26.0	1.0	19.0	170.0	5.0	45.0	2.0	68.0	1.8	14.0	3.2	2.0	190.0
86LFA51340	1	1	37.0	6.0	19.0	130.0	5.1	-0-	3.0	54.0	4.2	12.0	3.3	2.0	170.0
86LFA51350	1	1	8.7	1.0	17.0	110.0	5.0	40.0	3.0	36.0	1.2	7.7	3.3	2.0	150.0
86LFA51360	1	1	20.0	4.0	16.0	110.0	5.1	70.0	2.0	42.0	1.9	10.0	2.8	-0-	150.0
86LFA51360	1	1	27.0	4.0	23.0	120.0	5.0	70.0	2.0	53.0	2.7	12.0	3.0	2.0	110.0
86LFA51380	1	1	19.0	1.0	20.0	150.0	5.0	50.0	2.0	60.0	1.6	12.0	2.8	2.0	140.0
86LFA51390	1	1	16.0	3.0	10.0	120.0	4.4	105.0	3.0	25.0	2.9	9.2	2.8	2.0	50.0
86LFA51400	1	1	16.0	1.0	9.0	110.0	3.7	50.0	2.0	10.0	2.4	9.0	2.8	2.0	160.0
86LFA51400	2	1	21.0	6.0	11.0	140.0	5.0	50.0	1.0	23.0	3.2	12.0	3.8	1.0	210.0
86LFA51410	1	1	19.0	1.0	21.0	150.0	5.7	130.0	3.0	53.0	2.4	10.0	3.5	1.0	120.0
86LFA51410	1	1	21.0	1.0	21.0	120.0	4.7	30.0	3.0	49.0	3.1	11.0	3.0	2.0	110.0
86LFA51420	1	1	20.0	1.0	15.0	130.0	5.1	50.0	2.0	38.0	3.1	11.0	3.1	4.0	230.0
86LFA51440	1	1	20.0	5.0	13.0	140.0	4.1	70.0	-0-	43.0	2.1	11.0	3.1	3.0	140.0
86LFA51450	1	1	24.0	1.0	19.0	120.0	5.2	65.0	2.0	49.0	2.5	11.0	3.2	2.0	110.0
86LFA51450	1	1	47.0	1.0	15.0	160.0	4.7	-0-	1.0	60.0	2.6	12.0	3.7	1.0	110.0
86LFA51470	1	1	60.0	10.0	13.0	130.0	4.1	-0-	2.0	44.0	2.3	10.0	3.3	2.0	180.0
86LFA51480	1	1	31.0	6.0	18.0	130.0	4.9	-0-	2.0	59.0	2.6	13.0	3.4	1.0	140.0
86LFA51490	1	1	20.0	1.0	16.0	110.0	4.4	50.0	2.0	37.0	2.7	11.0	3.0	2.0	150.0
86LFA51490	1	1	21.0	1.0	16.0	99.0	4.6	130.0	2.0	40.0	3.0	10.0	3.0	1.0	180.0
86LFA51510	1	1	14.0	3.0	13.0	100.0	3.6	50.0	1.0	30.0	1.9	10.0	2.8	2.0	120.0
86LFA51560	1	1	28.0	1.0	23.0	150.0	5.6	430.0	3.0	37.0	2.2	11.0	2.8	-0-	320.0
86LFA51560	1	1	10.0	1.0	14.0	160.0	4.3	30.0	2.0	41.0	0.9	8.2	1.9	-0-	150.0
86LFA51590	1	1	10.0	1.0	15.0	170.0	4.2	30.0	2.0	34.0	1.2	7.9	2.0	-0-	50.0
86LFA51600	1	1	11.0	1.0	15.0	170.0	3.7	40.0	2.0	48.0	0.8	8.3	2.1	-0-	50.0
86LFA51620	1	1	11.0	3.0	21.0	160.0	4.5	70.0	1.0	67.0	1.0	11.0	2.2	-0-	50.0
86LFA51630	1	1	8.1	1.0	12.0	160.0	3.7	25.0	1.0	46.0	1.0	8.1	1.9	-0-	50.0
86LFA51630	2	1	8.7	2.0	14.0	190.0	3.9	25.0	1.0	50.0	1.1	8.8	2.1	1.0	100.0
86LFA51640	1	1	11.0	1.0	16.0	200.0	4.5	70.0	2.0	73.0	0.9	8.4	2.1	1.0	50.0
86LFA51640	2	1	12.0	4.0	19.0	220.0	4.7	80.0	3.0	63.0	1.0	9.1	2.2	2.0	110.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA51650	1	1	11.0	1.0	16.0	210.0	4.1	40.0	1.0	43.0	1.2	8.2	1.9	-0-	50.0
86LFA51650	1	1	14.0	1.0	15.0	190.0	3.4	30.0	1.0	52.0	1.0	8.4	1.9	1.0	50.0
86LFA51660	1	1	8.2	1.0	30.0	190.0	4.6	-0-	2.0	77.0	1.1	10.0	2.1	-0-	180.0
86LFA51670	1	1	5.9	1.0	21.0	200.0	3.7	30.0	1.0	67.0	0.6	9.4	2.0	-0-	130.0
86LFA51690	1	1	4.7	2.0	16.0	210.0	3.8	30.0	1.0	68.0	0.5	9.1	2.1	2.0	50.0
86LFA51700	1	1	10.0	3.0	13.0	160.0	3.5	20.0	2.0	36.0	0.8	9.3	2.3	2.0	120.0
86LFA51700	1	1	6.2	3.0	14.0	130.0	3.9	35.0	2.0	37.0	0.6	8.6	2.1	-0-	120.0
86LFA51720	1	1	8.1	1.0	12.0	150.0	3.8	75.0	2.0	43.0	1.0	9.0	2.3	1.0	140.0
86LFA51720	1	1	9.3	1.0	8.0	86.0	3.8	145.0	3.0	25.0	0.9	16.0	3.1	1.0	220.0
86LFA51730	1	1	8.4	1.0	11.0	180.0	3.5	70.0	2.0	36.0	1.1	9.1	2.4	-0-	120.0
86LFA51740	1	1	5.9	1.0	10.0	180.0	3.1	-0-	2.0	43.0	0.9	8.5	2.1	1.0	100.0
86LFA51750	1	1	12.0	1.0	24.0	170.0	5.6	-0-	2.0	67.0	1.4	8.1	1.9	-0-	50.0
86LFA51770	1	1	10.0	3.0	14.0	180.0	4.1	45.0	1.0	42.0	0.7	8.1	2.0	-0-	170.0
86LFA51780	1	1	23.0	1.0	12.0	88.0	4.5	20.0	3.0	27.0	1.4	16.0	4.4	3.0	150.0
86LFA51780	1	1	30.0	1.0	11.0	70.0	4.1	80.0	3.0	22.0	1.6	15.0	5.1	4.0	150.0
86LFA51800	1	1	36.0	4.0	14.0	76.0	4.7	40.0	4.0	26.0	2.0	15.0	5.6	3.0	160.0
86LFA51810	1	1	103.0	6.0	24.0	97.0	6.1	80.0	7.0	29.0	6.2	19.0	5.7	4.0	250.0
86LFA51820	1	1	16.0	3.0	10.0	94.0	4.6	95.0	3.0	25.0	1.5	14.0	3.4	2.0	150.0
86LFA51830	1	1	26.0	1.0	12.0	79.0	4.3	65.0	3.0	36.0	2.0	14.0	3.7	2.0	130.0
86LFA51830	1	1	42.0	1.0	9.0	73.0	4.3	50.0	4.0	24.0	2.3	16.0	3.7	4.0	160.0
86LFA51840	1	1	199.0	1.0	9.0	79.0	4.4	200.0	4.0	10.0	1.0	13.0	3.2	2.0	280.0
86LFA51860	1	1	57.3	5.0	11.0	90.0	5.5	25.0	3.0	37.0	2.5	20.0	4.2	2.0	130.0
86LFA51870	1	1	15.0	1.0	13.0	61.0	3.4	40.0	2.0	22.0	1.1	15.0	6.8	3.0	110.0
86LFA51870	1	1	19.0	1.0	12.0	79.0	4.0	40.0	3.0	26.0	0.8	17.0	3.9	3.0	140.0
86LFA51880	1	1	25.0	1.0	21.0	98.0	5.2	15.0	3.0	31.0	1.0	23.0	5.9	3.0	210.0
86LFA51900	1	1	32.0	3.0	18.0	100.0	5.5	75.0	4.0	30.0	2.8	17.0	4.9	3.0	150.0
86LFA51910	1	1	33.0	5.0	20.0	95.0	5.5	35.0	3.0	27.0	2.6	15.0	4.1	3.0	150.0
86LFA51920	1	1	35.0	6.0	35.0	150.0	4.8	60.0	38.0	44.0	7.8	30.0	13.0	6.0	260.0
86LFA51930	1	1	43.0	4.0	10.0	110.0	5.4	135.0	5.0	37.0	3.1	20.0	4.6	4.0	210.0
86LFA51940	1	1	29.0	1.0	13.0	75.0	4.4	40.0	4.0	35.0	2.5	13.0	4.3	2.0	170.0
86LFA51950	1	1	27.0	1.0	13.0	94.0	4.4	70.0	3.0	31.0	1.9	15.0	3.9	3.0	180.0
86LFA51960	1	1	33.0	4.0	13.0	69.0	4.5	80.0	4.0	37.0	2.2	14.0	4.1	3.0	190.0
86LFA51970	1	1	35.0	1.0	17.0	60.0	5.2	25.0	5.0	10.0	3.0	15.0	4.6	4.0	190.0
86LFA51980	1	1	40.0	3.0	14.0	80.0	4.7	65.0	10.0	22.0	4.5	13.0	4.9	3.0	100.0
86LFA51990	1	1	42.0	1.0	140.0	200.0	7.9	45.0	7.0	200.0	5.5	15.0	5.1	2.0	250.0
86LFA51990	1	1	32.0	1.0	7.0	51.0	3.9	30.0	4.0	28.0	1.9	15.0	4.0	2.0	220.0
86LFA52000	1	1	29.0	1.0	11.0	100.0	4.8	65.0	3.0	55.0	1.8	18.0	4.3	3.0	200.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA52020	1	1	47.0	5.0	36.0	300.0	7.3	85.0	5.0	91.0	10.0	14.0	3.4	3.0	50.0
86LFA52030	1	1	15.0	1.0	16.0	100.0	4.8	40.0	5.0	35.0	1.9	12.0	2.9	2.0	140.0
86LFA52040	1	1	37.0	4.0	11.0	74.0	4.8	45.0	4.0	31.0	2.7	15.0	3.8	3.0	200.0
86LFA52040	1	1	44.0	4.0	10.0	55.0	3.8	60.0	4.0	10.0	3.1	16.0	4.0	3.0	250.0
86LFA52060	1	1	34.0	3.0	12.0	66.0	4.4	40.0	2.0	32.0	3.3	14.0	3.8	2.0	150.0
86LFA52070	1	1	37.0	1.0	17.0	110.0	5.1	40.0	3.0	37.0	3.0	15.0	3.4	3.0	150.0
86LFA52080	1	1	24.0	3.0	17.0	100.0	4.2	25.0	3.0	37.0	2.9	12.0	3.3	3.0	120.0
86LFA52100	1	1	38.0	5.0	14.0	96.0	4.7	65.0	3.0	45.0	3.1	17.0	4.5	4.0	200.0
86LFA52110	1	1	29.0	6.0	17.0	110.0	4.8	35.0	2.0	46.0	3.1	13.0	3.5	3.0	160.0
86LFA52120	1	1	38.0	5.0	18.0	110.0	5.3	50.0	7.0	57.0	5.4	12.0	5.7	2.0	200.0
86LFA52130	1	1	31.0	4.0	22.0	130.0	4.9	40.0	2.0	49.0	4.9	13.0	3.5	3.0	160.0
86LFA52140	1	1	23.0	25.0	9.0	65.0	4.1	65.0	2.0	10.0	1.5	12.0	3.1	2.0	160.0
86LFA52150	1	1	51.9	4.0	15.0	71.0	5.2	60.0	4.0	31.0	3.3	15.0	4.0	4.0	280.0
86LFA52160	1	1	50.0	1.0	12.0	88.0	4.9	35.0	4.0	33.0	2.0	14.0	4.1	5.0	170.0
86LFA52160	1	1	33.0	1.0	12.0	68.0	4.3	85.0	4.0	10.0	2.3	12.0	3.3	3.0	110.0
86LFA52170	1	1	40.0	1.0	15.0	93.0	4.7	90.0	4.0	57.0	2.9	14.0	3.6	3.0	110.0
86LFA52180	1	1	30.0	1.0	14.0	88.0	4.5	110.0	4.0	54.0	2.2	14.0	3.7	3.0	180.0
86LFA52200	1	1	31.0	1.0	19.0	110.0	5.3	65.0	4.0	54.0	2.9	14.0	3.9	3.0	160.0
86LFA52200	1	1	21.0	1.0	15.0	86.0	4.7	75.0	4.0	41.0	2.0	12.0	3.7	2.0	140.0
86LFA52220	1	1	25.0	4.0	13.0	85.0	4.2	110.0	3.0	40.0	1.6	16.0	4.1	2.0	140.0
86LFA52230	1	1	23.0	1.0	14.0	110.0	4.9	45.0	3.0	24.0	2.5	12.0	3.8	2.0	190.0
86LFA52240	1	1	25.0	5.0	15.0	79.0	4.6	65.0	3.0	24.0	2.1	12.0	3.4	2.0	140.0
86LFA52250	1	1	29.0	3.0	19.0	97.0	5.7	120.0	4.0	31.0	2.5	14.0	4.0	2.0	160.0
86LFA52260	1	1	30.0	4.0	21.0	77.0	5.2	80.0	4.0	39.0	2.6	12.0	3.9	3.0	110.0
86LFA52270	1	1	22.0	3.0	14.0	87.0	4.1	60.0	2.0	29.0	2.0	14.0	3.8	2.0	150.0
86LFA52280	1	1	28.0	1.0	16.0	94.0	4.7	65.0	3.0	40.0	2.1	14.0	3.9	3.0	170.0
86LFA52290	1	1	33.0	3.0	31.0	120.0	4.7	45.0	3.0	81.0	3.1	12.0	3.8	2.0	100.0
86LFA52300	1	1	40.0	1.0	18.0	130.0	4.5	45.0	3.0	66.0	4.2	12.0	3.2	3.0	140.0
86LFA52310	1	1	44.0	4.0	9.0	74.0	3.8	60.0	4.0	27.0	2.9	15.0	3.8	3.0	190.0
86LFA52320	1	1	35.0	6.0	14.0	100.0	5.1	50.0	4.0	35.0	4.0	15.0	4.2	3.0	50.0
86LFA52330	1	1	35.0	1.0	16.0	110.0	5.4	80.0	2.0	40.0	1.9	11.0	3.0	3.0	150.0
86LFA52340	1	1	25.0	5.0	18.0	96.0	5.2	60.0	3.0	35.0	2.1	11.0	3.1	3.0	140.0
86LFA52350	1	1	22.0	1.0	12.0	59.0	4.3	85.0	2.0	30.0	1.9	13.0	3.7	3.0	190.0
86LFA52360	1	1	28.0	3.0	10.0	71.0	3.8	90.0	2.0	29.0	1.6	16.0	3.9	4.0	160.0
86LFA52370	1	1	43.0	1.0	16.0	88.0	5.1	65.0	2.0	38.0	3.1	14.0	3.7	4.0	50.0
86LFA52380	1	1	20.0	3.0	16.0	120.0	4.4	30.0	2.0	45.0	1.4	12.0	2.6	2.0	150.0
86LFA52380	1	1	19.0	3.0	15.0	120.0	4.0	30.0	2.0	30.0	1.3	11.0	2.7	1.0	120.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA52400	1	1	23.0	1.0	17.0	140.0	5.1	40.0	2.0	55.0	1.5	12.0	2.8	2.0	170.0
86LFA52410	1	1	25.0	4.0	20.0	160.0	5.1	40.0	2.0	58.0	1.6	13.0	3.0	2.0	130.0
86LFA52420	1	1	165.0	18.0	19.0	150.0	5.5	40.0	4.0	64.0	6.4	13.0	4.9	3.0	270.0
86LFA52430	1	1	55.3	8.0	19.0	120.0	5.0	85.0	2.0	40.0	4.0	10.0	2.9	2.0	240.0
86LFA52440	1	1	25.0	3.0	20.0	130.0	4.8	60.0	2.0	44.0	2.7	10.0	2.6	1.0	130.0
86LFA52450	1	1	24.0	4.0	14.0	120.0	4.8	90.0	3.0	45.0	1.3	12.0	3.4	2.0	230.0
86LFA52460	1	1	19.0	1.0	15.0	120.0	4.5	40.0	3.0	39.0	1.4	13.0	3.2	2.0	150.0
86LFA52460	1	1	80.9	1.0	24.0	150.0	5.3	40.0	3.0	74.0	2.4	12.0	3.8	2.0	230.0
86LFA52480	1	1	87.3	5.0	22.0	150.0	5.3	60.0	3.0	84.0	2.6	13.0	4.0	3.0	190.0
86LFA52490	1	1	33.0	1.0	15.0	140.0	4.8	25.0	4.0	50.0	5.2	13.0	3.6	1.0	160.0
86LFA52500	1	1	62.2	6.0	26.0	140.0	5.8	50.0	5.0	82.0	4.5	13.0	4.1	2.0	200.0
86LFA52510	1	1	34.0	5.0	19.0	130.0	4.9	40.0	3.0	65.0	2.3	13.0	2.9	2.0	170.0
86LFA52520	1	1	102.0	21.0	20.0	120.0	5.1	50.0	3.0	65.0	2.0	14.0	3.6	2.0	280.0
86LFA52530	1	1	16.0	1.0	12.0	110.0	4.1	40.0	2.0	36.0	1.4	12.0	3.0	2.0	130.0
86LFA52530	1	1	19.0	1.0	11.0	140.0	3.3	40.0	3.0	30.0	1.3	8.0	3.0	2.0	310.0
86LFA52560	1	1	18.0	1.0	12.0	120.0	3.9	45.0	2.0	38.0	1.0	12.0	2.9	7.0	50.0
86LFA52570	1	1	20.0	7.0	11.0	120.0	4.1	50.0	2.0	40.0	1.2	15.0	3.7	1.0	120.0
86LFA52580	1	1	16.0	1.0	14.0	140.0	4.1	70.0	2.0	37.0	1.0	13.0	3.6	1.0	160.0
86LFA52580	1	1	48.0	1.0	21.0	140.0	5.0	65.0	3.0	65.0	2.9	12.0	3.6	3.0	150.0
86LFA52600	1	1	24.0	6.0	23.0	140.0	5.1	40.0	4.0	52.0	3.6	12.0	3.5	2.0	230.0
86LFA52610	1	1	57.7	24.0	19.0	140.0	5.1	50.0	3.0	58.0	6.8	12.0	3.8	2.0	170.0
86LFA52620	1	1	24.0	3.0	20.0	130.0	4.5	45.0	2.0	54.0	3.5	11.0	3.3	2.0	130.0
86LFA52630	1	1	55.6	4.0	19.0	140.0	4.6	45.0	3.0	51.0	2.1	13.0	3.6	3.0	150.0
86LFA52630	1	1	88.0	4.0	23.0	150.0	5.6	70.0	3.0	47.0	3.1	14.0	4.3	3.0	220.0
86LFA52650	1	1	81.9	1.0	17.0	120.0	4.9	30.0	4.0	49.0	2.5	12.0	4.4	3.0	190.0
86LFA52660	1	1	105.0	6.0	20.0	120.0	5.4	50.0	4.0	70.0	2.9	13.0	4.9	4.0	210.0
86LFA52670	1	1	47.0	1.0	13.0	120.0	4.4	65.0	2.0	57.0	2.3	12.0	3.1	3.0	200.0
86LFA52670	1	1	15.0	1.0	12.0	110.0	3.8	60.0	2.0	33.0	1.2	11.0	2.7	2.0	120.0
86LFA52680	1	1	23.0	1.0	11.0	120.0	3.8	60.0	3.0	40.0	1.5	12.0	3.4	2.0	140.0
86LFA52690	1	1	41.0	1.0	16.0	130.0	4.7	40.0	4.0	47.0	1.7	12.0	3.6	3.0	120.0
86LFA52700	1	1	50.2	1.0	12.0	110.0	5.2	165.0	7.0	40.0	1.8	11.0	4.3	2.0	240.0
86LFA52710	1	1	65.1	1.0	19.0	130.0	5.6	65.0	4.0	76.0	2.3	13.0	4.0	3.0	290.0
86LFA52720	1	1	28.0	1.0	15.0	140.0	5.2	90.0	4.0	32.0	1.8	13.0	3.6	2.0	210.0
86LFA52730	1	1	24.0	1.0	15.0	110.0	4.7	105.0	4.0	44.0	1.6	11.0	3.0	2.0	160.0
86LFA52750	1	1	34.0	3.0	27.0	88.0	6.4	110.0	4.0	44.0	3.1	11.0	3.0	4.0	120.0
86LFA52760	1	1	40.0	5.0	18.0	81.0	5.2	105.0	3.0	29.0	3.4	14.0	3.8	4.0	140.0
86LFA52770	1	1	45.0	1.0	26.0	80.0	5.8	65.0	6.0	42.0	4.6	11.0	3.6	2.0	210.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA52770	1	1	48.0	1.0	20.0	110.0	5.6	105.0	3.0	45.0	4.0	14.0	3.8	3.0	180.0
86LFA52790	1	1	47.0	1.0	62.0	85.0	5.0	25.0	5.0	70.0	4.6	13.0	4.7	3.0	140.0
86LFA52790	1	1	16.0	1.0	12.0	59.0	4.1	65.0	2.0	10.0	1.2	13.0	3.0	22.0	120.0
86LFA52810	1	1	36.0	1.0	18.0	100.0	5.7	40.0	4.0	42.0	3.3	15.0	4.4	1.0	170.0
86LFA52820	1	1	32.0	3.0	23.0	120.0	6.2	80.0	3.0	65.0	3.0	12.0	3.4	1.0	200.0
86LFA52830	1	1	27.0	1.0	16.0	97.0	5.3	85.0	3.0	41.0	2.3	13.0	3.8	4.0	170.0
86LFA52840	1	1	25.0	4.0	17.0	96.0	5.1	60.0	3.0	35.0	2.3	13.0	3.8	1.0	150.0
86LFA52840	1	1	32.0	4.0	19.0	94.0	5.5	45.0	3.0	45.0	2.9	15.0	4.1	3.0	120.0
86LFA52860	1	1	38.0	1.0	20.0	97.0	5.8	145.0	3.0	41.0	2.1	18.0	4.6	27.0	210.0
86LFA52870	1	1	36.0	5.0	13.0	65.0	4.7	60.0	3.0	21.0	2.5	12.0	3.4	3.0	210.0
86LFA52880	1	1	29.0	1.0	12.0	110.0	4.9	40.0	2.0	42.0	1.1	16.0	4.0	3.0	130.0
86LFA52890	1	1	45.0	4.0	17.0	140.0	4.4	55.0	3.0	61.0	2.7	11.0	3.2	-0-	160.0
86LFA52900	1	1	44.0	1.0	10.0	74.0	3.9	110.0	2.0	41.0	1.6	20.0	4.8	3.0	150.0
86LFA52900	1	1	40.0	1.0	13.0	90.0	5.1	115.0	3.0	35.0	2.3	17.0	4.2	5.0	190.0
86LFA52920	1	1	72.1	5.0	25.0	100.0	6.3	80.0	4.0	58.0	5.6	13.0	4.0	4.0	280.0
86LFA52930	1	1	14.0	1.0	6.0	41.0	3.0	55.0	1.0	10.0	1.6	27.0	8.2	4.0	170.0
86LFA52930	1	1	27.0	1.0	7.0	43.0	3.1	65.0	2.0	10.0	1.4	16.0	4.2	3.0	110.0
86LFA52950	1	1	56.9	5.0	13.0	69.0	5.8	105.0	3.0	32.0	3.3	15.0	3.4	3.0	110.0
86LFA52960	1	1	34.0	6.0	10.0	56.0	3.2	90.0	2.0	10.0	2.3	15.0	4.0	3.0	130.0
86LFA52970	1	1	32.0	1.0	14.0	99.0	4.4	85.0	3.0	41.0	3.0	14.0	3.5	5.0	50.0
86LFA52970	1	1	18.0	1.0	16.0	130.0	4.9	50.0	3.0	43.0	1.3	11.0	2.9	1.0	170.0
86LFA52990	1	1	15.0	4.0	15.0	130.0	4.1	40.0	2.0	55.0	1.3	11.0	2.6	3.0	130.0
86LFA53000	1	1	12.0	1.0	11.0	80.0	4.1	40.0	3.0	40.0	1.8	14.0	3.6	2.0	100.0
86LFA53000	1	1	23.0	1.0	15.0	86.0	4.1	45.0	2.0	33.0	2.2	14.0	3.6	2.0	50.0
86LFA53050	2	1	25.0	2.0	17.0	89.0	4.5	45.0	2.0	47.0	2.4	15.0	3.8	2.0	170.0
86LFA53080	1	1	28.0	1.0	15.0	81.0	4.4	40.0	3.0	39.0	2.8	16.0	4.2	2.0	50.0
86LFA53100	1	1	24.0	4.0	11.0	62.0	4.3	35.0	3.0	26.0	2.4	17.0	4.8	3.0	110.0
86LFA53110	1	1	26.0	5.0	22.0	150.0	5.2	40.0	3.0	60.0	3.1	13.0	3.5	1.0	50.0
86LFA53120	1	1	24.0	1.0	22.0	140.0	5.8	180.0	3.0	51.0	1.9	11.0	2.9	3.0	130.0
86LFA53130	1	1	31.0	4.0	18.0	130.0	4.5	100.0	2.0	45.0	2.3	10.0	2.8	3.0	50.0
86LFA53140	1	1	64.5	6.0	23.0	140.0	5.9	180.0	2.0	58.0	7.5	11.0	2.9	3.0	50.0
86LFA53150	1	1	42.0	5.0	18.0	140.0	5.1	200.0	4.0	39.0	2.2	11.0	2.8	2.0	50.0
86LFA53160	1	1	35.0	1.0	32.0	120.0	6.7	70.0	4.0	42.0	2.2	10.0	2.7	-0-	50.0
86LFA53160	1	1	6.7	1.0	14.0	150.0	4.0	70.0	2.0	69.0	0.7	12.0	3.0	2.0	50.0
86LFA53170	1	1	14.0	1.0	16.0	150.0	4.4	50.0	1.0	52.0	1.0	10.0	2.5	1.0	120.0
86LFA53180	2	1	15.0	3.0	17.0	170.0	4.7	45.0	1.0	60.0	1.1	11.0	2.7	1.0	140.0
86LFA53200	1	1	16.0	1.0	12.0	120.0	4.4	75.0	2.0	35.0	1.4	11.0	3.5	3.0	270.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA53200	1	1	11.0	1.0	17.0	150.0	5.0	140.0	2.0	47.0	0.8	10.0	4.2	2.0	200.0
86LFA53220	1	1	27.0	4.0	14.0	86.0	4.8	50.0	3.0	25.0	2.4	14.0	3.7	3.0	50.0
86LFA53230	1	1	20.0	1.0	12.0	81.0	3.8	40.0	2.0	24.0	1.8	13.0	3.3	3.0	50.0
86LFA53240	1	1	41.0	4.0	13.0	82.0	4.5	40.0	2.0	25.0	2.8	17.0	4.2	4.0	50.0
86LFA53250	1	1	20.0	2.0	14.0	90.0	4.3	60.0	1.0	40.0	1.9	13.0	3.3	3.0	50.0
86LFA53260	1	1	17.0	5.0	13.0	88.0	4.2	40.0	2.0	34.0	2.0	12.0	3.1	2.0	50.0
86LFA53270	1	1	33.0	4.0	15.0	87.0	4.4	35.0	2.0	50.0	2.8	15.0	4.1	3.0	120.0
86LFA53280	1	1	19.0	5.0	15.0	76.0	4.6	40.0	2.0	37.0	1.8	14.0	3.4	2.0	120.0
86LFA53290	1	1	31.0	1.0	17.0	150.0	6.1	60.0	2.0	54.0	2.4	12.0	3.2	3.0	130.0
86LFA53290	2	1	30.0	2.0	18.0	140.0	5.8	60.0	2.0	65.0	2.4	12.0	3.0	2.0	160.0
86LFA53310	1	1	28.0	1.0	16.0	110.0	5.5	75.0	3.0	42.0	2.6	11.0	3.0	3.0	50.0
86LFA53310	1	1	13.0	1.0	15.0	120.0	4.4	75.0	2.0	34.0	2.2	12.0	3.5	3.0	150.0
86LFA53330	1	1	17.0	1.0	18.0	110.0	5.0	55.0	2.0	48.0	2.6	14.0	3.7	2.0	140.0
86LFA53340	1	1	18.0	1.0	15.0	130.0	5.4	75.0	2.0	39.0	2.0	12.0	3.3	3.0	50.0
86LFA53350	2	1	17.0	2.0	15.0	110.0	5.2	70.0	2.0	45.0	1.9	12.0	3.1	2.0	110.0
86LFA53360	1	1	12.0	1.0	14.0	100.0	3.9	45.0	2.0	39.0	1.7	12.0	3.5	2.0	50.0
86LFA53360	1	1	17.0	1.0	20.0	110.0	4.8	75.0	1.0	38.0	2.1	11.0	3.1	2.0	50.0
86LFA53370	1	1	14.0	1.0	10.0	88.0	4.0	75.0	2.0	30.0	1.6	12.0	3.5	2.0	50.0
86LFA53380	1	1	21.0	1.0	17.0	110.0	4.3	60.0	2.0	45.0	2.2	11.0	3.6	2.0	50.0
86LFA53390	1	1	42.0	1.0	20.0	120.0	4.8	145.0	3.0	53.0	1.1	10.0	2.6	2.0	110.0
86LFA53490	1	1	11.0	1.0	16.0	120.0	4.4	85.0	2.0	35.0	0.9	8.7	2.3	1.0	50.0
86LFA53500	1	1	10.0	1.0	12.0	130.0	3.6	80.0	2.0	40.0	1.1	10.0	2.5	1.0	50.0
86LFA53510	1	1	11.0	1.0	13.0	130.0	4.2	80.0	2.0	37.0	1.0	8.7	2.4	2.0	50.0
86LFA53530	1	1	15.0	1.0	17.0	130.0	4.6	75.0	-0-	63.0	1.2	10.0	2.4	2.0	50.0
86LFA53540	1	1	11.0	1.0	13.0	130.0	3.8	45.0	2.0	42.0	1.0	10.0	2.5	2.0	120.0
86LFA53550	1	1	5.5	1.0	17.0	67.0	5.9	82.0	-0-	10.0	0.5	10.0	3.3	1.0	50.0
86LFA53560	1	1	115.0	1.0	16.0	100.0	4.8	715.0	6.0	43.0	3.7	15.0	4.3	2.0	660.0
86LFA53570	1	1	17.0	1.0	18.0	130.0	5.3	205.0	2.0	49.0	1.5	12.0	3.0	1.0	100.0
86LFA53580	1	1	20.0	1.0	18.0	150.0	5.6	245.0	2.0	44.0	1.6	12.0	3.1	2.0	150.0
86LFA53590	1	1	28.0	1.0	21.0	140.0	5.9	190.0	2.0	48.0	2.0	10.0	2.7	1.0	200.0
86LFA53600	1	1	16.0	1.0	16.0	120.0	4.9	165.0	-0-	47.0	1.9	11.0	2.9	2.0	220.0
86LFA53610	2	1	16.0	2.0	16.0	130.0	5.0	185.0	2.0	31.0	2.0	12.0	3.1	1.0	280.0
86LFA53620	1	1	11.0	1.0	23.0	120.0	6.7	310.0	2.0	42.0	1.3	11.0	2.8	-0-	50.0
86LFA53620	1	1	25.0	1.0	23.0	230.0	6.3	765.0	2.0	81.0	2.2	7.1	1.8	-0-	300.0
86LFA53630	1	1	21.0	1.0	13.0	140.0	4.5	140.0	2.0	28.0	2.1	10.0	3.0	2.0	250.0
86LFA53640	1	1	6.5	1.0	15.0	150.0	4.5	55.0	-0-	55.0	0.8	9.2	2.8	1.0	200.0
86LFA53650	1	1	8.2	1.0	13.0	130.0	4.1	80.0	-0-	42.0	0.7	10.0	2.5	2.0	50.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA53660	2	1	8.6	2.0	15.0	130.0	4.3	85.0	2.0	40.0	0.7	10.0	2.5	1.0	100.0
86LFA53680	1	1	6.1	1.0	10.0	160.0	4.7	100.0	2.0	27.0	0.8	8.3	2.2	-0-	160.0
86LFA53680	1	1	6.9	1.0	12.0	150.0	4.3	100.0	2.0	48.0	0.7	9.1	2.1	-0-	190.0
86LFA53690	1	1	13.0	1.0	18.0	160.0	4.8	70.0	2.0	53.0	1.1	8.9	2.2	2.0	130.0
86LFA53700	1	1	4.7	1.0	11.0	140.0	3.5	30.0	-0-	24.0	0.7	7.6	2.1	2.0	50.0
86LFA53720	1	1	5.3	4.0	11.0	110.0	4.1	115.0	3.0	30.0	0.6	9.3	2.4	1.0	120.0
86LFA53730	1	1	7.1	1.0	12.0	150.0	3.9	80.0	2.0	44.0	0.6	8.7	2.1	-0-	110.0
86LFA53740	1	1	13.0	4.0	19.0	110.0	5.2	170.0	2.0	34.0	1.6	12.0	3.2	1.0	150.0
86LFA53750	1	1	7.5	1.0	14.0	110.0	4.6	95.0	3.0	32.0	0.8	8.9	2.5	-0-	130.0
86LFA53750	1	1	7.2	1.0	14.0	120.0	3.9	60.0	1.0	27.0	0.8	10.0	2.3	-0-	110.0
86LFA53760	1	1	6.4	1.0	14.0	120.0	3.7	120.0	2.0	31.0	0.8	13.0	2.8	2.0	50.0
86LFA53770	1	1	7.7	1.0	19.0	170.0	4.7	30.0	2.0	52.0	0.8	11.0	2.4	-0-	210.0
86LFA53780	1	1	7.0	1.0	13.0	140.0	4.1	30.0	1.0	38.0	0.6	10.0	2.8	2.0	160.0
86LFA53790	1	1	8.5	1.0	18.0	170.0	4.3	35.0	1.0	62.0	0.8	10.0	2.4	-0-	50.0
86LFA53800	1	1	6.8	1.0	11.0	150.0	3.2	45.0	2.0	41.0	0.5	10.0	2.5	-0-	50.0
86LFA53810	1	1	6.7	1.0	12.0	150.0	3.8	25.0	1.0	26.0	0.8	10.0	2.7	2.0	150.0
86LFA53830	1	1	6.5	7.0	13.0	170.0	3.7	35.0	1.0	37.0	0.7	11.0	3.1	1.0	140.0
86LFA53840	1	1	6.3	1.0	13.0	150.0	3.7	25.0	2.0	30.0	0.6	11.0	3.3	2.0	130.0
86LFA53850	1	1	10.0	4.0	18.0	160.0	4.8	25.0	3.0	49.0	1.0	10.0	2.5	2.0	110.0
86LFA53860	1	1	5.4	26.0	13.0	150.0	3.6	20.0	1.0	38.0	0.6	10.0	2.5	3.0	160.0
86LFA53870	1	1	5.3	1.0	14.0	170.0	3.1	20.0	2.0	51.0	0.8	10.0	2.3	2.0	100.0
86LFA53870	1	1	7.9	1.0	19.0	180.0	3.8	30.0	2.0	65.0	1.0	11.0	2.7	2.0	50.0
86LFA53880	1	1	7.6	1.0	12.0	180.0	3.3	25.0	-0-	44.0	0.8	11.0	2.5	1.0	50.0
86LFA53890	1	1	8.8	1.0	21.0	200.0	4.4	20.0	1.0	90.0	0.7	11.0	2.3	-0-	130.0
86LFA53900	1	1	12.0	1.0	16.0	250.0	4.1	30.0	2.0	45.0	0.9	15.0	4.3	1.0	140.0
86LFA53910	1	1	8.5	1.0	15.0	180.0	3.9	40.0	1.0	65.0	0.7	8.6	2.1	-0-	180.0
86LFA53920	1	1	9.4	1.0	22.0	180.0	4.4	40.0	1.0	73.0	0.8	9.1	2.0	-0-	130.0
86LFA53930	1	1	6.3	1.0	17.0	200.0	4.4	55.0	1.0	89.0	0.4	11.0	2.2	-0-	150.0
86LFA53950	1	1	4.7	3.0	11.0	200.0	3.8	40.0	-0-	63.0	0.5	9.3	2.2	-0-	120.0
86LFA53960	1	1	10.0	1.0	20.0	180.0	4.5	-0-	1.0	81.0	1.1	10.0	2.2	-0-	170.0
86LFA53960	1	1	7.7	1.0	20.0	170.0	4.5	35.0	-0-	91.0	0.7	10.0	2.2	1.0	110.0
86LFA53970	1	1	12.0	1.0	26.0	210.0	5.5	45.0	-0-	110.0	0.9	12.0	2.4	1.0	170.0
86LFA53980	1	1	8.0	1.0	24.0	180.0	4.4	30.0	-0-	67.0	0.6	11.0	2.0	-0-	130.0
86LFA53990	1	1	9.4	1.0	16.0	210.0	4.0	30.0	-0-	70.0	1.0	11.0	2.4	-0-	140.0
86LFA54000	2	1	10.0	2.0	17.0	220.0	4.4	40.0	2.0	73.0	1.1	12.0	2.6	1.0	110.0
86LFA54010	1	1	8.8	1.0	21.0	280.0	4.2	35.0	-0-	87.0	1.1	10.0	2.3	-0-	110.0
86LFA54010	1	1	7.7	1.0	12.0	210.0	3.7	40.0	2.0	54.0	1.0	10.0	2.4	-0-	200.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA54020	1	1	46.0	1.0	60.0	260.0	4.4	20.0	-0-	150.0	1.5	12.0	2.5	1.0	120.0
86LFA54030	1	1	10.0	1.0	16.0	210.0	3.8	50.0	2.0	62.0	0.7	9.2	2.3	2.0	130.0
86LFA54040	1	1	15.0	1.0	13.0	230.0	4.1	45.0	2.0	82.0	0.7	9.3	2.3	-0-	50.0
86LFA54050	1	1	45.0	1.0	29.0	260.0	4.3	20.0	-0-	93.0	1.6	11.0	2.4	-0-	50.0
86LFA54060	1	1	29.0	1.0	15.0	270.0	3.7	40.0	-0-	67.0	1.2	9.4	2.3	1.0	180.0
86LFA54070	2	1	27.0	3.0	13.0	230.0	3.4	60.0	1.0	62.0	1.1	8.6	2.4	1.0	110.0
86LFA54080	1	1	63.2	1.0	24.0	320.0	5.2	65.0	1.0	81.0	2.4	15.0	2.9	2.0	130.0
86LFA54080	1	1	17.0	1.0	19.0	210.0	3.2	35.0	1.0	50.0	1.4	11.0	2.4	-0-	130.0
86LFA54090	1	1	35.0	1.0	17.0	190.0	3.1	20.0	1.0	54.0	1.3	11.0	2.1	1.0	50.0
86LFA54110	1	1	33.0	6.0	21.0	200.0	5.0	125.0	3.0	60.0	2.5	9.3	2.6	2.0	50.0
86LFA54120	1	1	5.6	1.0	12.0	120.0	3.0	45.0	2.0	23.0	0.5	10.0	2.4	1.0	120.0
86LFA54140	1	1	8.0	3.0	15.0	140.0	3.9	50.0	1.0	59.0	0.9	10.0	1.9	1.0	150.0
86LFA54150	1	1	6.3	1.0	10.0	110.0	3.4	40.0	2.0	38.0	0.9	13.0	3.0	-0-	140.0
86LFA54150	1	1	8.2	1.0	14.0	140.0	4.6	65.0	2.0	46.0	2.4	8.1	4.4	3.0	130.0
86LFA54170	1	1	3.8	1.0	12.0	110.0	3.3	40.0	2.0	34.0	0.7	7.9	2.5	2.0	160.0
86LFA54190	1	1	11.0	1.0	12.0	99.0	4.3	60.0	3.0	31.0	1.0	10.0	2.6	2.0	130.0
86LFA54190	1	1	7.9	1.0	12.0	100.0	3.7	45.0	2.0	34.0	0.8	8.1	2.2	2.0	110.0
86LFA54200	1	1	6.1	1.0	14.0	140.0	3.8	20.0	2.0	37.0	0.7	10.0	2.4	2.0	120.0
86LFA54200	1	1	8.9	1.0	19.0	220.0	4.1	25.0	2.0	70.0	0.8	10.0	2.4	-0-	50.0
86LFA54220	1	1	8.7	1.0	12.0	180.0	3.3	25.0	1.0	45.0	0.7	10.0	2.3	1.0	50.0
86LFA54240	1	1	5.3	1.0	10.0	160.0	2.8	45.0	1.0	38.0	0.7	9.0	2.3	-0-	120.0
86LFA54250	1	1	12.0	3.0	13.0	190.0	3.2	20.0	2.0	46.0	1.0	9.4	2.6	1.0	160.0
86LFA54260	1	1	8.9	14.0	12.0	150.0	3.2	55.0	1.0	37.0	0.7	9.0	2.2	-0-	170.0
86LFA54270	1	1	8.3	1.0	15.0	150.0	4.5	40.0	2.0	45.0	0.8	11.0	2.6	2.0	50.0
86LFA54280	1	1	6.2	3.0	12.0	160.0	3.8	55.0	2.0	38.0	0.6	10.0	2.5	2.0	150.0
86LFA54290	1	1	5.6	1.0	9.0	200.0	3.0	20.0	-0-	50.0	0.7	8.5	2.2	1.0	50.0
86LFA54290	1	1	6.4	1.0	11.0	180.0	3.4	40.0	2.0	57.0	0.8	8.6	2.1	-0-	50.0
86LFA54300	1	1	7.8	1.0	17.0	150.0	4.3	-0-	7.0	33.0	0.8	12.0	3.3	-0-	330.0
86LFA54310	1	1	7.9	1.0	16.0	130.0	4.6	125.0	1.0	60.0	0.8	11.0	2.6	-0-	170.0
86LFA54320	1	1	12.0	1.0	20.0	190.0	4.4	60.0	2.0	78.0	1.7	10.0	2.2	-0-	100.0
86LFA54340	1	1	15.0	3.0	15.0	130.0	4.1	40.0	2.0	46.0	1.2	11.0	2.8	2.0	160.0
86LFA54350	1	1	24.0	1.0	18.0	170.0	4.2	30.0	2.0	59.0	1.1	10.0	2.4	2.0	110.0
86LFA54350	1	1	26.0	1.0	17.0	130.0	4.8	40.0	2.0	34.0	1.4	12.0	2.9	2.0	150.0
86LFA54360	1	1	16.0	1.0	15.0	140.0	4.8	75.0	2.0	54.0	2.1	12.0	3.2	1.0	170.0
86LFA54380	1	1	36.0	4.0	18.0	160.0	3.9	30.0	3.0	41.0	1.6	10.0	2.4	2.0	130.0
86LFA54390	1	1	19.0	2.0	15.0	130.0	4.4	40.0	2.0	49.0	1.4	14.0	3.2	2.0	120.0
86LFA54400	1	1	28.0	1.0	23.0	150.0	6.8	235.0	3.0	37.0	1.2	11.0	2.9	2.0	280.0

Sample UTM	O	P	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
86LFA55130	1	1	20.0	1.0	10.0	40.0	3.4	35.0	2.0	10.0	1.7	15.0	4.1	2.0	110.0
86LFA55130	1	1	19.0	1.0	9.0	10.0	3.7	40.0	1.0	10.0	1.7	14.0	3.8	2.0	160.0
86LFA55140	10	1	-0-	7.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55150	1	1	14.0	1.0	14.0	41.0	3.8	2.0	3.0	10.0	1.9	12.0	3.3	2.0	150.0
86LFA55150	1	1	37.0	1.0	11.0	47.0	4.6	15.0	3.0	10.0	1.9	13.0	3.8	2.0	190.0
86LFA55150	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55160	1	1	14.0	1.0	9.0	35.0	4.0	50.0	3.0	10.0	0.9	13.0	3.5	2.0	150.0
86LFA55170	2	1	19.0	4.0	9.0	41.0	4.0	85.0	3.0	20.0	1.2	10.0	2.9	1.0	120.0
86LFA55180	1	1	15.0	1.0	8.0	37.0	3.8	30.0	2.0	10.0	1.3	12.0	3.2	3.0	150.0
86LFA55180	1	1	38.0	1.0	10.0	31.0	4.5	20.0	2.0	10.0	1.8	14.0	4.0	2.0	230.0
86LFA55190	1	1	13.0	1.0	14.0	120.0	4.5	25.0	2.0	35.0	0.9	12.0	2.9	3.0	150.0
86LFA55190	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55200	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55210	1	1	19.0	6.0	8.0	31.0	4.1	60.0	3.0	10.0	1.2	10.0	3.0	2.0	110.0
86LFA55230	1	1	16.0	1.0	13.0	99.0	4.3	80.0	2.0	25.0	0.8	12.0	3.0	3.0	120.0
86LFA55230	1	1	27.0	1.0	10.0	91.0	4.8	50.0	2.0	24.0	1.2	15.0	4.0	2.0	260.0
86LFA55230	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55260	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55300	1	1	25.0	3.0	11.0	45.0	4.4	25.0	3.0	10.0	1.4	14.0	4.0	2.0	200.0
86LFA55300	1	1	32.0	1.0	19.0	110.0	4.8	35.0	2.0	30.0	1.1	15.0	3.9	3.0	50.0
86LFA55300	10	1	-0-	1.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55350	1	1	29.0	2.0	11.0	100.0	5.5	65.0	5.0	22.0	0.9	19.0	3.9	3.0	140.0
86LFA55350	2	1	17.0	2.0	8.0	73.0	3.9	30.0	2.0	20.0	0.6	17.0	4.2	2.0	100.0
86LFA55360	1	1	28.0	1.0	18.0	130.0	5.0	75.0	2.0	42.0	1.0	15.0	3.8	3.0	110.0
86LFA55390	1	1	17.0	5.0	6.0	71.0	3.8	25.0	3.0	10.0	0.5	17.0	3.9	4.0	130.0
86LFA55390	10	1	-0-	2.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55400	1	1	36.0	1.0	14.0	83.0	4.9	40.0	4.0	27.0	1.2	20.0	4.9	4.0	120.0
86LFA55400	1	1	38.0	1.0	11.0	94.0	4.8	25.0	3.0	10.0	1.1	18.0	4.9	5.0	50.0
86LFA55410	1	1	22.0	1.0	10.0	62.0	4.1	30.0	2.0	28.0	1.1	12.0	3.7	2.0	50.0
86LFA55420	1	1	22.0	1.0	9.0	42.0	3.9	65.0	2.0	10.0	1.8	13.0	3.3	2.0	120.0
86LFA55440	1	1	24.0	1.0	16.0	81.0	4.6	20.0	2.0	26.0	1.3	13.0	3.8	2.0	120.0
86LFA55480	1	1	23.0	4.0	15.0	89.0	4.9	15.0	2.0	28.0	1.1	20.0	4.9	4.0	50.0
86LFA55480	10	1	-0-	2.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55490	1	1	14.0	1.0	11.0	87.0	3.8	10.0	2.0	29.0	1.0	16.0	4.2	3.0	50.0
86LFA55560	1	1	17.0	3.0	8.0	33.0	3.7	20.0	2.0	10.0	1.0	12.0	3.5	2.0	200.0
86LFA55570	1	1	4.1	1.0	2.0	46.0	1.9	10.0	1.0	10.0	0.5	9.3	2.8	3.0	50.0
86LFA55580	1	1	14.0	3.0	10.0	23.0	3.9	40.0	-0-	10.0	1.3	13.0	3.7	3.0	160.0

TABLE V

Regional <63µm Samples with >9 ppm Au

Sample UTM	O	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W	Zn
85LFA01970	1	9.3	23.0	10.0	110.0	3.4	-0-	-0-	22.0	0.8	8.0	2.1	-0-	50.0
85LFA02500	1	104.0	19.0	26.0	150.0	5.6	-0-	-0-	76.0	3.3	11.0	3.0	4.0	180.0
85LFA03180	1	18.0	14.0	30.0	180.0	6.9	-0-	-0-	75.0	2.4	10.0	4.2	1.0	50.0
85LFA03240	1	35.0	15.0	28.0	160.0	6.5	-0-	-0-	61.0	3.5	10.0	3.1	1.0	50.0
85LFA03800	1	26.0	12.0	5.0	61.0	3.4	-0-	1.0	25.0	2.0	20.0	5.2	4.0	100.0
85LFA04480	1	48.0	11.0	5.0	67.0	3.4	-0-	3.0	25.0	3.3	20.0	5.0	2.0	100.0
85LFA04760	1	20.0	18.0	14.0	66.0	4.5	-0-	-0-	29.0	2.9	13.0	3.9	2.0	50.0
86LFA50540	1	36.0	14.0	17.0	140.0	4.8	35.0	2.0	46.0	2.3	13.0	3.0	3.0	130.0
86LFA50550	1	23.0	22.0	16.0	130.0	4.7	40.0	2.0	42.0	1.5	12.0	2.7	-0-	150.0
86LFA50570	1	109.0	54.0	21.0	140.0	4.8	50.0	3.0	61.0	2.4	13.0	2.9	4.0	50.0
86LFA50620	1	57.7	20.0	17.0	130.0	5.4	140.0	3.0	52.0	24.0	12.0	3.8	2.0	520.0
86LFA50680	1	90.4	10.0	25.0	140.0	5.5	70.0	3.0	68.0	6.1	11.0	2.9	2.0	230.0
86LFA50910	1	51.6	14.0	23.0	110.0	5.2	40.0	3.0	38.0	6.6	12.0	3.6	2.0	170.0
86LFA51290	1	51.4	11.0	17.0	140.0	5.0	80.0	4.0	66.0	3.8	11.0	3.3	2.0	220.0
86LFA51470	1	60.0	10.0	13.0	130.0	4.1	-0-	2.0	44.0	2.3	10.0	3.3	2.0	180.0
86LFA52140	1	23.0	25.0	9.0	65.0	4.1	65.0	2.0	10.0	1.5	12.0	3.1	2.0	160.0
86LFA52420	1	165.0	18.0	19.0	150.0	5.5	40.0	4.0	64.0	6.4	13.0	4.9	3.0	270.0
86LFA52520	1	102.0	21.0	20.0	120.0	5.1	50.0	3.0	65.0	2.0	14.0	3.6	2.0	280.0
86LFA52610	1	57.7	24.0	19.0	140.0	5.1	50.0	3.0	58.0	6.8	12.0	3.8	2.0	170.0
86LFA53860	1	5.4	26.0	13.0	150.0	3.6	20.0	1.0	38.0	0.6	10.0	2.5	3.0	160.0
86LFA54260	1	8.9	14.0	12.0	150.0	3.2	55.0	1.0	37.0	0.7	9.0	2.2	-0-	170.0
86LFA55590	1	36.0	13.0	9.0	22.0	4.7	100.0	2.0	10.0	5.1	14.0	4.0	2.0	400.0
86LFA55590	10	-0-	15.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55610	1	64.3	17.0	7.0	42.0	4.3	85.0	4.0	10.0	9.5	14.0	3.5	2.0	400.0
86LFA55610	10	-0-	17.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA55730	10	-0-	81.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
86LFA56170	1	46.0	16.0	11.0	29.0	5.4	110.0	2.0	10.0	5.3	16.0	4.8	2.0	390.0
86LFA56220	1	61.8	17.0	8.0	42.0	4.4	60.0	3.0	10.0	6.4	17.0	4.2	2.0	410.0

TABLE VII

Drill Hole Samples Pointe Verte Bathurst <63 μ m

Sample	Depth cm	Au ppb	As ppm	Hg ppb	Sb ppm	Bi ppm
87BC01-1	30.0	5.0	90.0	40.0	0.1	2.1
87BC01-2	100.0	4.0	60.0	40.0	0.3	0.7
87BC01-3	180.0	10.0	200.0	90.0	4.0	2.0
87CD02-1	20.0	3.0	12.0	80.0	0.2	1.0
87CD02-2	30.0	6.0	12.0	70.0	0.2	1.2
87CD03-1	40.0	2.0	5.0	70.0	0.1	0.2
87CD03-2	100.0	3.0	15.0	90.0	0.6	0.2
87CD03-3	200.0	4.0	5.0	120.0	0.2	0.9
87CD03-4	250.0	8.0	41.0	140.0	1.6	0.9
87CD04-1	20.0	4.0	12.0	120.0	1.4	0.5
87CD04-2	100.0	4.0	10.0	70.0	0.7	0.3
87CD04-3	150.0	3.0	29.0	60.0	1.0	0.5
87CD05-1	20.0	1.0	9.0	100.0	0.1	0.2
87CD05-2	80.0	4.0	15.0	80.0	0.2	0.2
87CD05-3	180.0	7.0	19.0	100.0	0.5	0.1
87CD06-1	50.0	3.0	57.0	50.0	0.4	0.2
87CD06-2	100.0	3.0	70.0	60.0	1.0	0.2
87CD06-3	180.0	6.0	60.0	70.0	1.1	0.3
87CD07-1	25.0	2.0	12.0	60.0	0.4	0.2
duplicate		9.0	11.0	70.0	0.4	0.2
87CD07-2	100.0	5.0	16.0	60.0	0.5	0.3
87CD08-1	40.0	1.0	14.0	80.0	0.4	0.2
87CD08-2	90.0	4.0	27.0	70.0	0.6	0.2
87A09-1	40.0	5.0	14.0	80.0	0.4	0.3
87A09-2	100.0	2.0	15.0	50.0	0.6	0.3
87A09-3	200.0	4.0	17.0	40.0	0.9	0.3
87A09-4	270.0	3.0	17.0	50.0	1.0	0.2
87FG10-1	50.0	9.0	5.0	60.0	0.5	0.2
duplicate		4.0	5.0	70.0	0.6	0.2
87FG10-2	100.0	5.0	60.0	50.0	2.2	0.3
87FG10-3	180.0	7.0	33.0	70.0	2.6	0.2
87HG11-1	100.0	17.0	240.0	60.0	30.0	0.6
87HG11-2	130.0	6.0	51.0	210.0	1.0	0.9
87HG11-3	200.0	6.0	100.0	60.0	6.8	0.2
87IJ12-1	25.0	1.0	27.0	110.0	0.6	0.6
87IJ12-2	100.0	5.0	500.0	100.0	1.6	2.6
87IJ13-1	25.0	1.0	15.0	50.0	0.6	0.7
87IJ13-2	50.0	2.0	22.0	100.0	0.5	1.2
87IJ13-3	100.0	1035.0	3200.0	80.0	13.4	190.0
duplicate		1065.0	3200.0	100.0	15.8	>200
87IJ14-1	100.0	20.0	80.0	60.0	1.6	6.2
duplicate		21.0	100.0	60.0	1.6	5.8
87AB15-1	25.0	3.0	10.0	60.0	0.3	0.5
87AB15-2	100.0	4.0	15.0	60.0	0.2	0.7
87AB15-3	150.0	3.0	20.0	80.0	0.7	0.6
87AB16-1	20.0	2.0	9.0	50.0	0.2	0.5
87AB16-2	100.0	6.0	12.0	60.0	0.5	0.3
87AB16-3	200.0	4.0	17.0	50.0	0.6	0.4
87AB16-4	240.0	7.0	110.0	70.0	2.6	1.0
duplicate		7.0	100.0	60.0	3.0	1.0

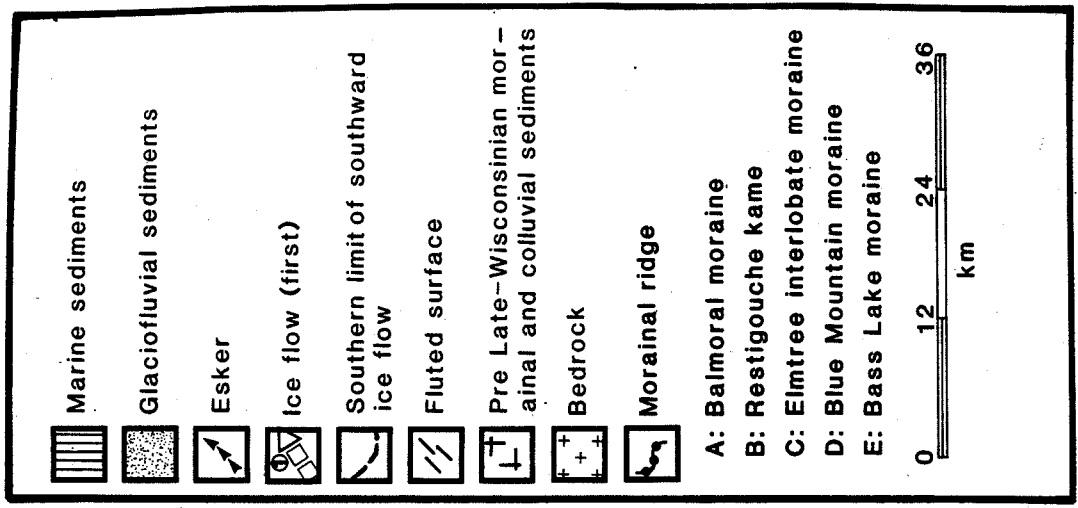
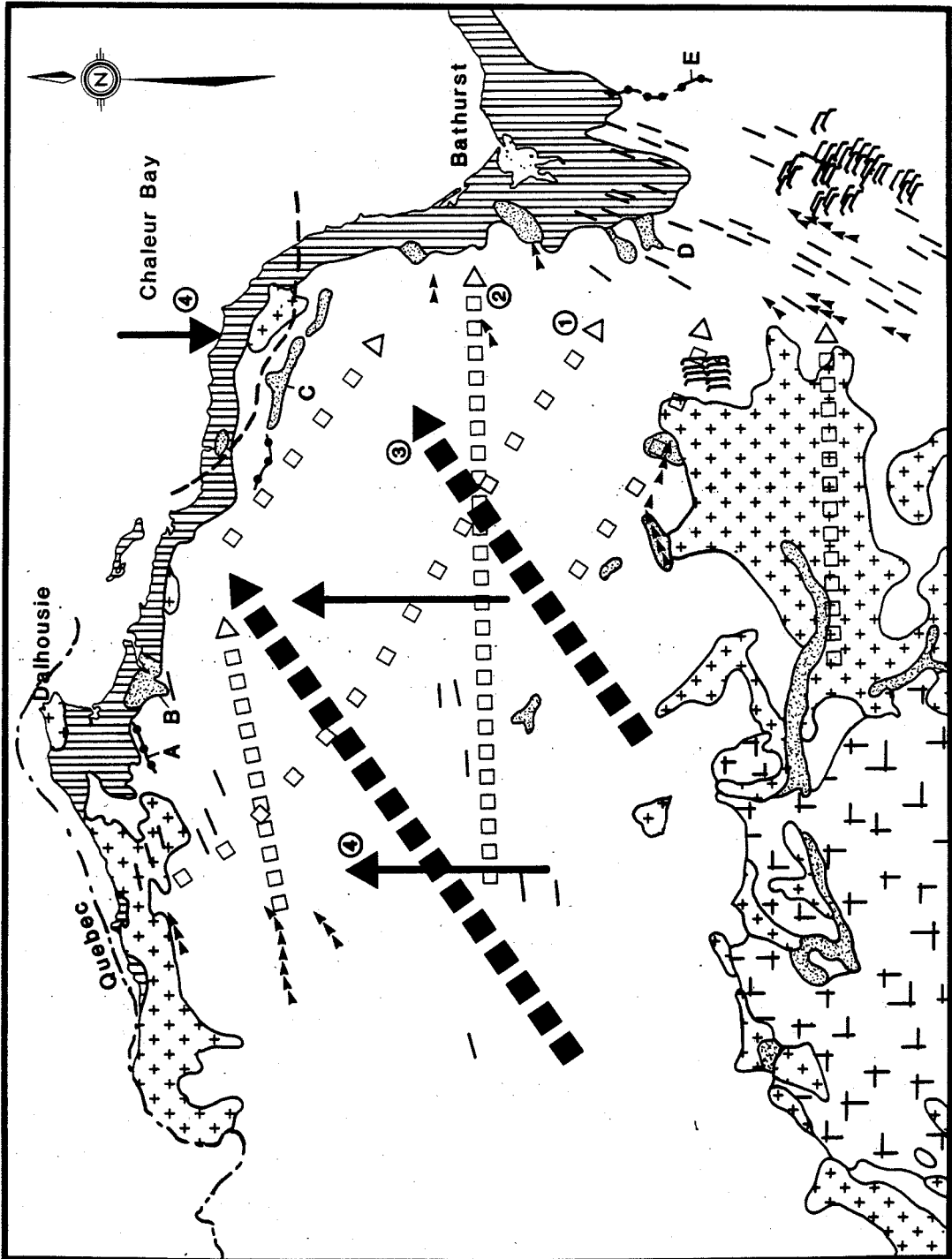
Sample	Depth cm	Au ppb	As ppm	Hg ppb	Sb ppm	Bi ppm
87AB17-1	20.0	2.0	5.0	40.0	0.2	0.4
87AB17-2	100.0	14.0	9.0	50.0	0.2	0.5
87AB17-3	130.0	3.0	11.0	60.0	0.2	0.9
87AB18-1	20.0	3.0	11.0	100.0	0.4	0.4
87AB18-2	100.0	3.0	23.0	90.0	1.4	0.5
87AB18-3	140.0	3.0	17.0	130.0	0.6	1.0
87BC19-1	20.0	3.0	12.0	70.0	0.3	0.3
87BC19-2	100.0	4.0	20.0	60.0	0.6	0.2
87BC19-3	150.0	4.0	20.0	70.0	0.7	0.4
87BC20-1	20.0	2.0	9.0	50.0	0.3	0.3
87BC20-2	100.0	5.0	15.0	70.0	0.2	0.2
87DE21-1	20.0	3.0	11.0	60.0	0.2	0.4
87DE21-2	100.0	4.0	22.0	90.0	0.7	0.5
87DE21-3	140.0	5.0	20.0	80.0	0.6	0.4
87DE22-1	20.0	5.0	10.0	50.0	0.2	0.2
87DE22-2	100.0	5.0	17.0	60.0	0.6	0.4
87DE22-3	200.0	4.0	10.0	50.0	0.4	0.2
87DE22-4	300.0	5.0	10.0	90.0	0.1	0.3
87DE23-1	20.0	2.0	20.0	110.0	1.2	0.3
87DE23-2	100.0	7.0	35.0	110.0	1.4	0.2
87DE23-3	170.0	6.0	32.0	70.0	1.0	0.9
87DE24-1	25.0	2.0	29.0	110.0	0.6	0.4
87DE24-2	100.0	7.0	60.0	100.0	1.2	0.2
87DE24-3	160.0	8.0	30.0	110.0	1.0	0.2
87DE25-1	30.0	3.0	11.0	60.0	0.8	0.2
87DE25-2	50.0	6.0	15.0	60.0	1.0	0.1
87G26-1	25.0	4.0	33.0	120.0	1.8	0.2
87G26-2	100.0	6.0	32.0	60.0	2.6	0.3

TABLE VI

Trenches Heath Steele <63µm

Sample	Depth (cm)	As ppm	Sb ppm	Au ppb
T3				
87LFA190301	45.0	15.0	0.1	12.0
duplicate		14.0	0.2	8.0
87LFA190302	95.0	19.0	0.5	3.0
duplicate		19.0	0.4	1.0
87LFA190303	145.0	20.0	0.6	6.0
87LFA190304	195.0	17.0	0.5	15.0
duplicate		17.0	0.4	13.0
87LFA190305	245.0	45.0	1.2	2.0
T4				
87LFA190401	25.0	39.0	3.0	28.0
87LFA190402	75.0	73.0	4.6	23.0
T5				
87LFA190501	30.0	29.0	1.4	6.0
87LFA190502	80.0	39.0	2.6	13.0
87LFA190503	130.0	57.0	8.2	20.0
87LFA190504	180.0	43.0	6.8	23.0
87LFA190505	250.0	6.0	1.4	5.0
T6				
87LFA190601	40.0	73.0	10.2	17.0
87LFA190602	90.0	65.0	9.4	31.0
87LFA190603	130.0	53.0	6.6	23.0
T7				
87LFA190701	40.0	11.0	0.1	5.0
87LFA190702	90.0	17.0	0.6	3.0
87LFA190703	130.0	16.0	0.4	2.0

analysis by chemex



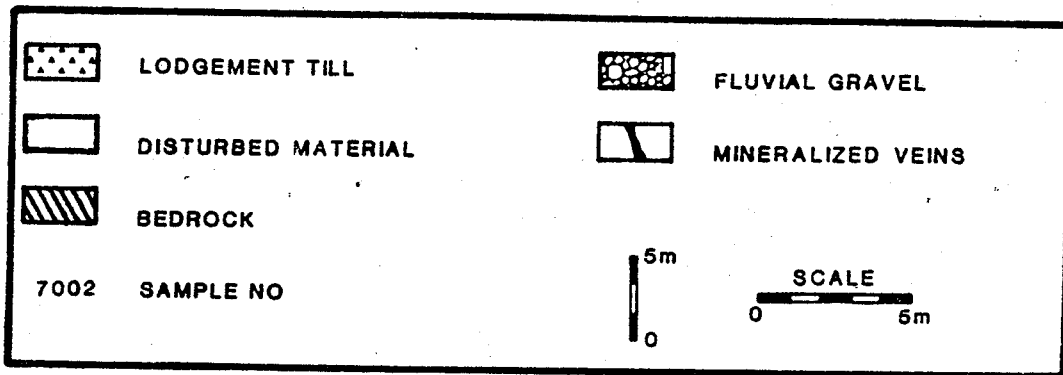
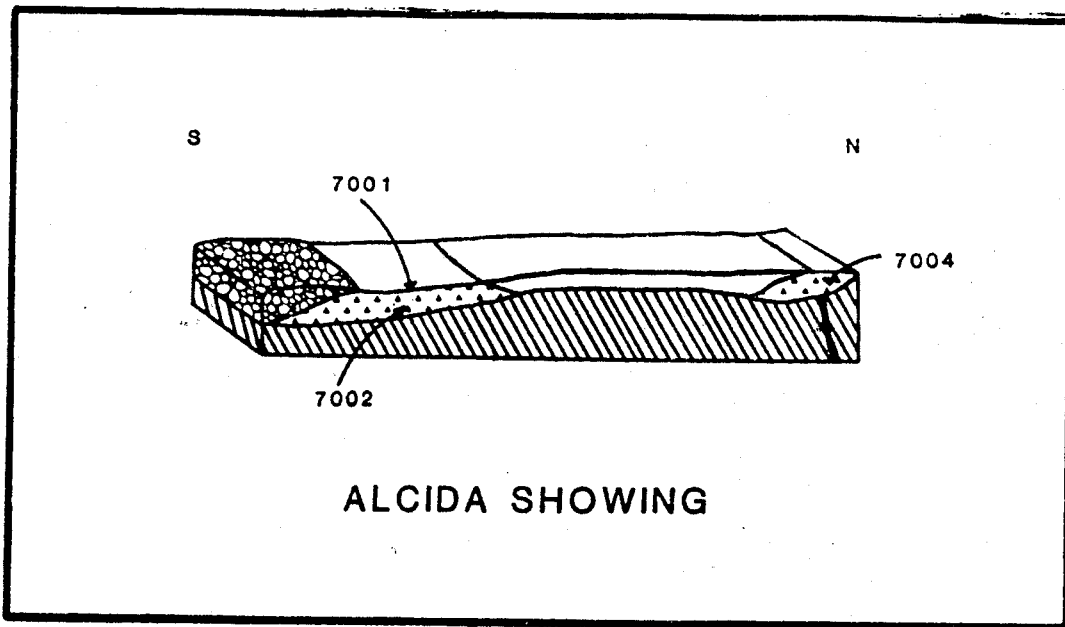


Figure 2a

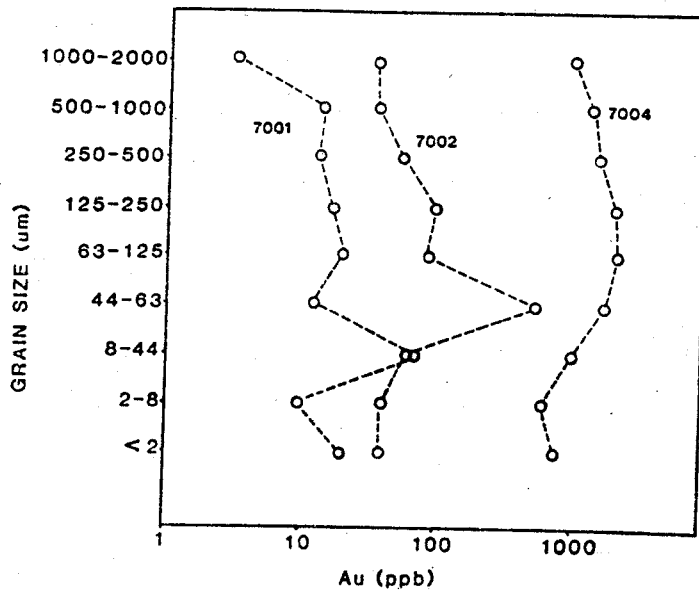


Figure 2b

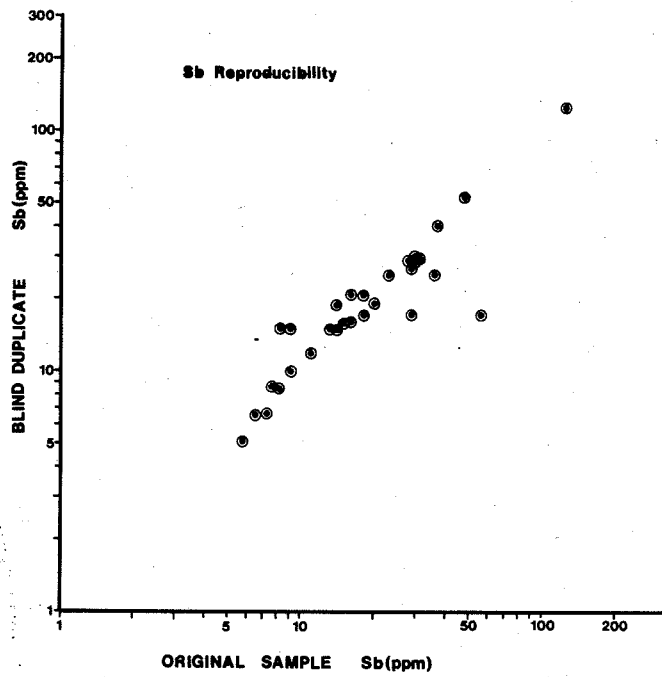
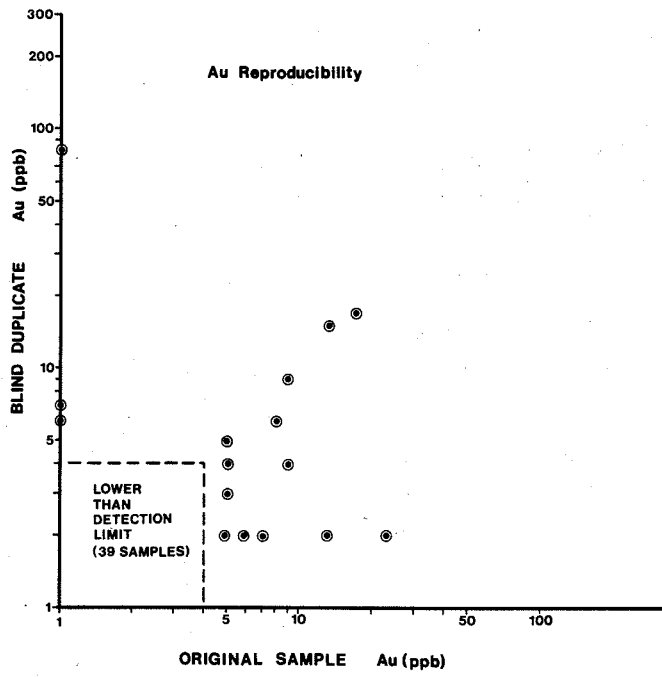


Figure 3

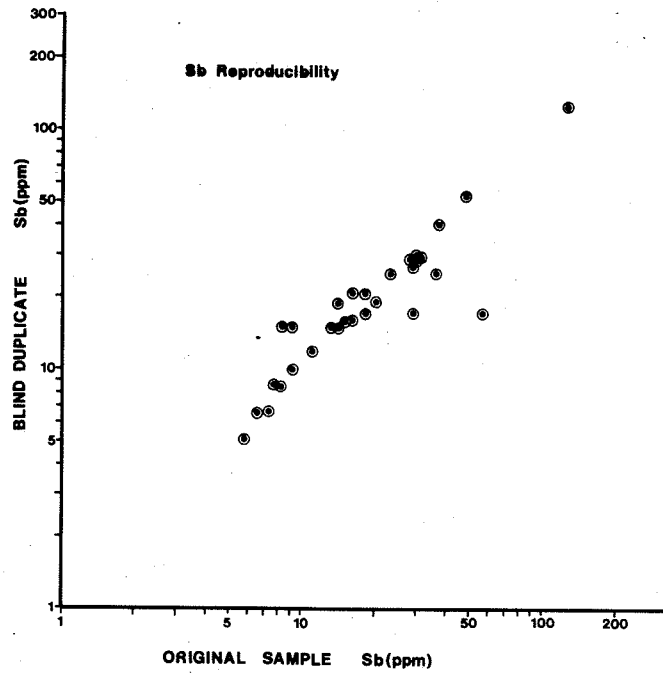
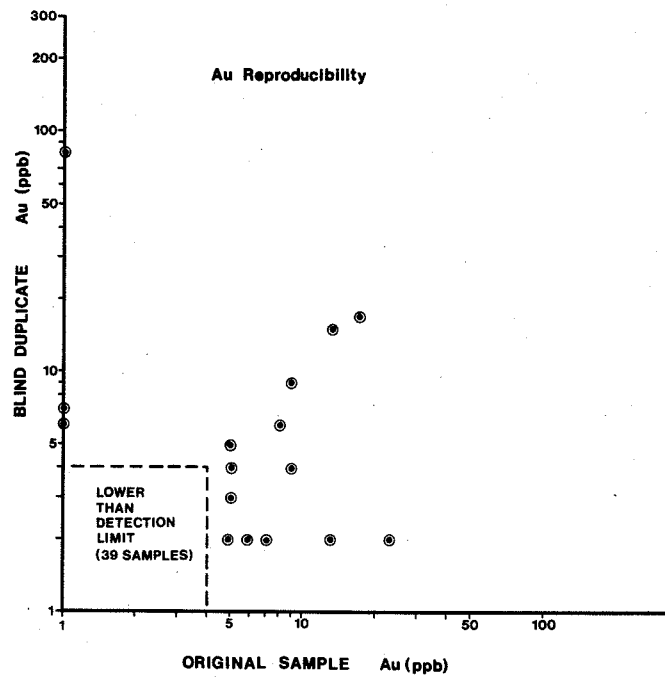


Figure 3