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RECONNAISSANCE GEOLOGIC MAP, ANALYSES OF BEDROCK AND STREAM
SEDIMENT SAMPLES, AND AN AEROMAGNETIC MAP OF PARTS
OF THE SOUTHERN ALASKA RANGE

By

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Reconnaissance geologic map, analyses of bedrock and stream
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Introduction

Reconnaissance geologic mapping in the southern Alaska Range in 1969 covered parts of the Lime Hills, McGrath, Tyonek, and Talkeetna quadrangles, an area of about 5,800 square miles (fig. 1). Early geologic investigations in this region include the reconnaissance survey of southwestern Alaska by Spurr (1900), a traverse of the South Fork of the Kuskokwim River in 1902 by Brooks (1911), and the summary report by Capps (1935) on the geology of the southern Alaska Range. Heavy metals investigations in 1967 pointed out a lead-zinc-silver deposit in the Bowser Creek area (Reed and Elliott, 1968a) and other metalliferous deposits south of Farewell (Reed and Elliott, 1968b). In 1968 plutonic rocks west of the Stony River between Two Lakes and the headwaters of Big River were mapped by Reed and Marvin Lanphere. Aeromagnetic maps of the area have been released as an open-file report (Reed and Anderson, 1969). Because of intensified mineral exploration in this region and because there are no geologic maps for much of the area, emphasis in 1969 was placed on mapping the major rock units and gross structural features. This work was supported by a helicopter for six weeks. Particular attention was given to plutons of Late Cretaceous or Tertiary age since most mineral deposits in this part of the Alaska Range appear to be associated with them (Reed and Lanphere, 1969). Because of the reconnaissance nature of the mapping, the amount of geologic

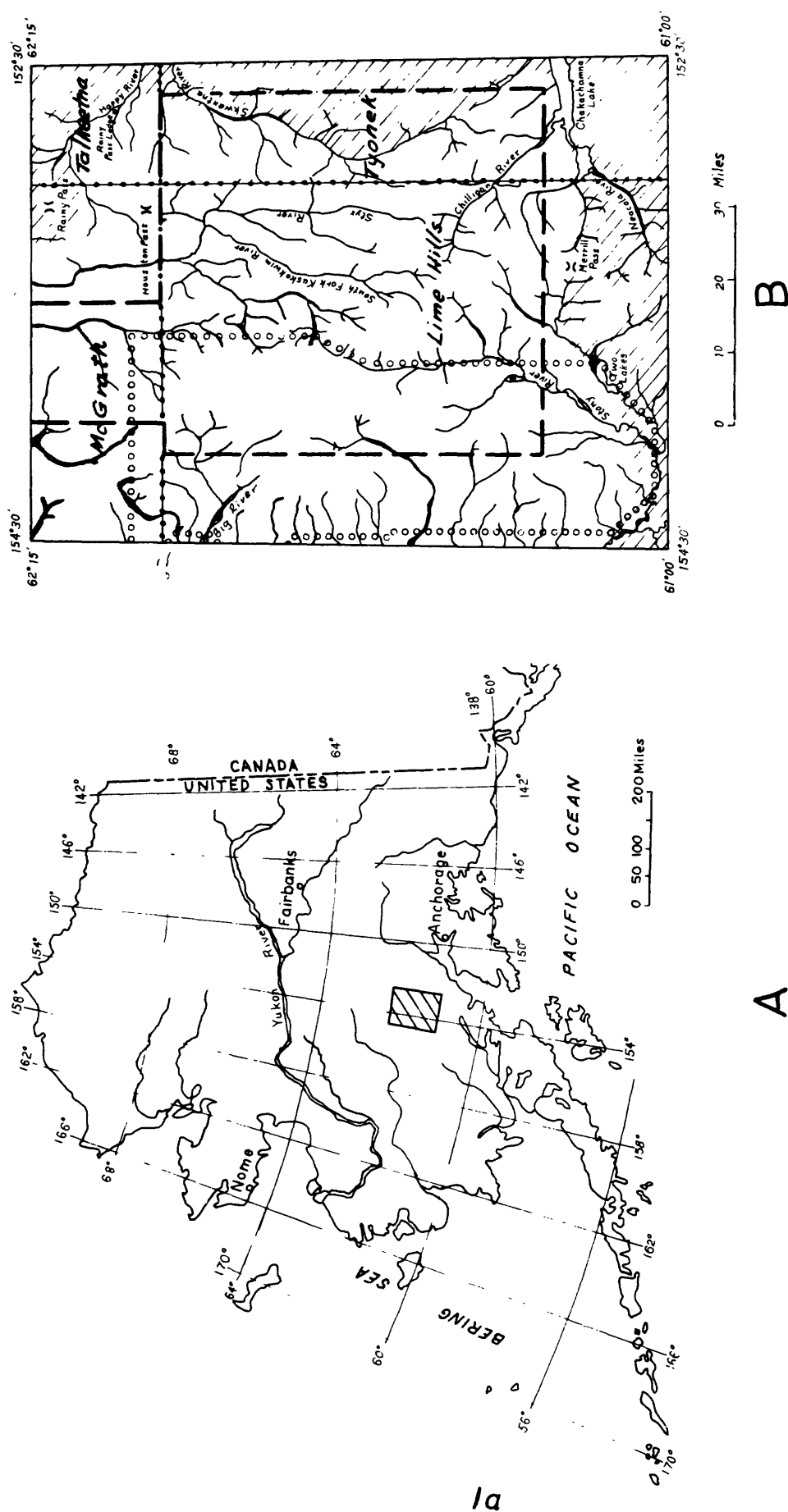


Figure 1. A. Index map of Alaska showing location of Plate 1. B. Area of Plate 1 (geologic map), geology in ruled areas mapped chiefly from aerial photographs. Dotted lines indicate boundaries of McGrath, Talkeetna, Lime Hills, and Tyonek 1:250,000 quadrangles. Open circles outline area of aeromagnetic map (plate 2). Heavy dashed line shows area of sample location maps (plates 3 and 4).

information varies from place to place. Sample localities in areas which, from the air, appeared lithologically uniform have a density of one in tens, or even hundreds, of square miles. Lithologic contacts are moderately accurate, but, in general, no attempt has been made to differentiate facies within a specific unit. Many of the igneous contacts shown on plate 1 were mapped by low-level fixed-wing reconnaissance and no field checks were made. The south and east portions of plate 1 were mapped chiefly from aerial photographs.

Stream sediment samples were collected in conjunction with the mapping. Data for some of the samples became available during the field season, and areas showing high metal values were resampled for confirmation. This accounts for the greater sample density in some areas. During the course of sediment sampling and ground traverses, mineralized float was collected when found, and megascopic descriptions and analyses of selected float samples are appended to the report.

Geologic Map

A brief description of the bedrock units is given in the explanation on plate 1. A few additional comments, however, seem warranted. Where two modifiers are used in description of an intrusive rock, the first modifier is the more abundant mineral. For example, biotite predominates over hornblende in a biotite-hornblende granodiorite.

Lithologic identification of the intrusive rocks was determined by 1) modal analyses of stained rock slabs, 2) chemical analyses by the rapid rock method, and 3) examination of thin sections. Smaller isolated plutonic bodies have been tentatively assigned to a particular rock unit on the basis

of mutual similarity in chemistry, trace element content, and modal composition.

Potassium-argon ages for biotite and/or hornblende have been determined for some of the intrusive rocks. The ages fall into four groups: Late Cretaceous (70-80 m.y.), Late Cretaceous-Early Tertiary (60-70 m.y.), Early Tertiary (50-60 m.y.), and middle Tertiary (25-35 m.y.). The vertical position of the intrusive rocks in the left column (Hartman River plutons through Windy Fork stock) is based on these potassium-argon ages. The vertical position of intrusive rocks of uncertain age has no implication as to relative age. Although contact relations indicate that the granodiorite of the Nagishlamina River and the Mount Estelle plutons are older than the Styx River batholith, their age in relation to each other or to other rocks of uncertain age is not known. Biotite from granodiorite shown as unassigned intrusive rocks of Cretaceous or Tertiary age on the north side of Two Lakes has an apparent age of 67.8 million years, whereas biotite and hornblende from quartz diorite on the north side of Chakachamma Lake show discordant ages of 48.2 and 61.5 million years, respectively (Reed and Lanphere, 1969).

Some Tertiary volcanic rocks are thought to be of early Tertiary age, and correlative with early Tertiary extrusive volcanic rocks south of Farewell (Reed and Elliott, 1968b). North of Merrill Pass and between the South Fork of the Kuskokwim River and the Styx River, these volcanic rocks are cut by the Styx River batholith of middle Tertiary age. There are, however, areas of flat-lying, relatively undisturbed volcanic tuffs and flows west of the headwaters of the Chilligan River which may reflect

later volcanism. Furthermore, the varied late Mesozoic and Cenozoic assemblage of granitic and volcanic rocks in this part of the Alaska Range could represent different erosion levels in similar complexes. The Styx River batholith, for example, may be a pluton which has risen through the crust and locally intruded its own volcanic ejecta.

The fault that juxtaposes Paleozoic sedimentary rocks against Cretaceous metasedimentary rocks in the northwestern part of plate 1 is well exposed north of the northeast prong of the Tired Pup batholith. It extends northeastward through the valleys of the Post and Kuskokwim Rivers (where it separates Paleozoic from Cretaceous and Tertiary rocks) thence northeastward through the Tatina River (not shown on plate 1), a distance of more than 40 miles. Its extension to the southwest, between the north-trending prongs of the Tired Pup batholith, is based on aerial photograph interpretation, and the contact between the Paleozoic and Cretaceous rocks in this area is highly speculative.

Aeromagnetic Map

The aeromagnetic map shown on plate 2 has been released as an open-file report (Reed and Anderson, 1969) at a scale of 1:63,360, and only a brief discussion of the aeromagnetic data is included here. In order to make the aeromagnetic map more useful in correlating the magnetic data with the geologic map (pl. 1), the aeromagnetic map has been reduced to the same scale as the geologic map (1:250,000).

The aeromagnetic survey covers approximately 1,670 square miles and consists of 71 east-west traverses spaced 1 mile apart. Continuous total-flight traverses were obtained with a Gulf fluxgate magnetometer. The

magnetic data were compiled as a total-intensity magnetic contour map by Lockwood, Kessler, and Bartlett, Inc. The magnetic map is contoured on a 10 gamma interval and has not been corrected for the earth's total magnetic gradient; the total magnetic field intensity in this region increases approximately 5.5 gammas per mile in a northeasterly direction. The southern, central, and northern sectors of the aeromagnetic map were flown at 7,000, 10,000, and 7,500 feet, above sea level, respectively. The boundaries indicating the change in flight elevation are shown on plate 2.

In the southern sector, the magnetic susceptibility of the Tired Pup batholith is sufficient to cause a slight increase in the total magnetic field intensity. Regionally, the magnetic contours show this increase to be approximately linear, suggesting that the rocks are magnetically homogeneous. The contours are notably distorted by the intrusive body in the southeast corner of the map and locally by topographic effects.

The central sector of plate 2 was flown at 10,000 feet. The nearly concentric magnetic anomaly in this sector is one of the most prominent magnetic features within the surveyed area. The amplitude of the anomaly is approximately 300 gammas, and its major axis trends northwestward. A depth determination made graphically from a profile constructed through the anomaly in line with the earth's magnetic field places the top of the magnetic body about 7,500 feet below the aircraft. Since the elevation of the terrain in the vicinity of the center of the anomaly is about 2,500 feet above sea level, the feature responsible for the anomaly is thought to be very near the surface. The relatively high magnetic susceptibility suggests that this feature may be a stock of more mafic composition, or a more mafic phase of

the surrounding granitic rocks. The linear magnetic pattern on the eastern margin of the central sector is probably caused by mafic-rich quartz diorite of the Hartman River plutons which lie just east of Stony River.

The boundary line marking the change in flight elevation from 10,000 to 7,500 feet is indicated on the upper part of plate 2. The granitic rock which forms the west prong of the Tired Pup batholith appears to have a magnetic mineral content similar to the southern part of the batholith. Local magnetic anomalies and distortions associated with the west prong of the batholith are related to areas of high relief.

The east prong of the Tired Pup batholith shows a magnetic pattern signifying a change in the magnetic character of the rock which may be related to a higher concentration of ferro-magnesian minerals. Only widely spaced field observations were made in this part of the batholith and, with the exception of a more mafic border facies immediately west of Sled Pass, the northeast prong appears to be a relatively homogeneous quartz monzonite containing less than 10 percent mafic minerals. The magnetic contours show a definite correlation with the intrusive rocks. Most of the localized magnetic anomalies scattered near the northeast corner of plate 2 are topographic effects, but some of these anomalies are associated with exposed intrusive rocks and others may indicate the location of intrusive rocks covered either by sedimentary rocks or surficial deposits. The Windy Fork stock is well delineated by the magnetic contours and appears to be magnetically similar to the rocks of the east prong of the Tired Pup batholith which suggests the two bodies may be connected at depth.

Stream Sediment Data

Analytical data for 1,270 stream sediment samples from the area indicated on figure 1 are given in Table 1. The sample localities are shown on plate 3. Samples were collected from the active stream channel wherever possible; where this was not possible, samples were collected from higher level stream deposits adjacent to the channel. The samples were dried, sieved, and the minus 80 mesh fractions submitted for analyses.

Analysis for gold was done by R. L. Miller, R. B. Tripp, and H. D. King, using the atomic absorption method. Results are accurate to ± 100 percent. The data for the other elements were obtained by six-step semiquantitative spectrographic analysis. The spectrographic analyses are reported in percentage (pct) or parts per million (ppm) to the nearest number in the series 1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc. The precision of a reported value is approximately plus 100 percent or minus 30 percent. The semiquantitative spectrographic analyses were done by K. J. Curry.

The analytical data have been processed by means of a computer program known as GEOSUM which is designed primarily for summarizing and tabulating geochemical data--especially data from semiquantitative analyses. The program output consists of: (a) a tabulation of the data, (b) histograms and cumulative frequency distributions for most of the elements, and (c) a statistical summary which includes geometric means and geometric deviations. Histograms for bismuth, antimony, and tungsten are omitted because of the low number of samples in which these elements were detected (18, 3, and 6, respectively). Data for gold have been recast by the GEOSUM program into the six-step form of the spectrographic analyses.

The results of the analyses of the stream sediment samples are given in Table 1 as analytical values such as 7.0000 ppm, 10.0000 percent, etc., or as qualified values expressed as a letter. These letter codes are N = not detected, L = less than specified limit of detection, G = greater than value shown. Note that the right-most zero digits for each analytical value may or may not be significant. The specified limits of detection are as follows:

Specified limits of detection					
FE PCT	MG PCT	CA PCT	TI PCT	MN ppm	AG PPM
0.05000	0.02000	0.05000	0.00200	10.00000	0.50000
AS PPM	AU PPM	B PPM	BA PPM	BE PPM	BI PPM
200.00000	0.02000	10.00000	20.00000	1.00000	10.00000
CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM
5.00000	5.00000	5.00000	20.00000	5.00000	10.00000
NI PPM	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM
5.00000	10.00000	100.00000	5.00000	10.00000	100.00000
V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	
10.00000	50.00000	10.00000	200.00000	10.00000	

Semiquantitative spectrographic analyses by the U.S. Geological Survey are reported as geometric midpoints (1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc.) of geometric brackets having the boundaries 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, 0.083, etc. The frequency distributions and histograms are plotted on logarithmic scales and are computed using these brackets as class intervals, for example:

Reported value (ppm)	Limits	
1.0	.83	1.2
1.5	1.2	1.8
2.0	1.8	2.6
3.0	2.6	3.8
5.0	3.8	5.6
7.0	5.6	8.3
10.0	8.3	12.0

On the histograms numbers are shown as powers of 10, for example:

7.0E-01 means 7.0×10^{-1} or 0.7
7.0E 00 means 7.0×10^0 or 7.0
7.0E 01 means 7.0×10^1 or 70.0
7.0E 02 means 7.0×10^2 or 700.0
7.0E 03 means 7.0×10^3 or 7,000.0

The histograms are constructed with X's, each of which represents 1 percent of the total number (1270) of samples.

The histograms and the statistics given below them are derived only from data values within the ranges of analytical determination ("analytical values"). The histograms are, therefore, incomplete, and the statistics are biased if data values qualified with N, L, or G codes are present. Statistical estimates that are unbiased are given at the end of Table 1. The geometric mean is the antilogarithm of the arithmetic mean of the logs of the analyses and an estimate of "central tendency," or of a characteristic value, of a frequency distribution that is approximately symmetrical on a log scale, and is therefore useful for characterizing many geochemical

distributions. The geometric mean is not an estimate of geochemical abundance. The geometric deviation is the antilogarithm of the standard deviation of the logs of the analyses. For further discussion and explanation of geometric deviation, see Miesch (1963, 1967).

In the computations performed to produce the statistical summary at the end of Table 1, no computations are performed where any data values are qualified with the G (greater than) code. Where none of the data values for an element are qualified the mean and deviation should be the same as those given in the preceding section. Where data are qualified with the codes N or L, the estimates of geometric mean and deviation are based on a method devised by A. J. Cohen for treating censored distributions. The application of this method to geochemical problems is described by Miesch (1967). The estimates are unbiased in a strict sense only where the data are derived from a lognormal parent population, but experiments have shown that large departures from this requirement may not greatly invalidate the results. Acceptance and use of the estimates, however, is the responsibility of the individual.

Discussion

Geologic mapping, the presence of mineralized float, and the geochemical data delineate areas which may be of economic interest. Although high values for elements of interest are readily apparent from the histograms (Table 1), it is futile to attempt to define background and anomalous values for 1,270 stream sediment samples collected from a diverse geologic environment covering in excess of 1,500 square miles (pls. 1 and 3). There are, certainly, sediment samples that have metal contents of interest to a prospector or economic geologist. But a high metal content

in an isolated sediment sample or a group of samples can be misleading if local background information is not available. Background, in turn, is dependent on the geologic environment, chemical mobility of the element in question, and other factors. Significant, anomalous values are indicated only by thorough orientation surveys confined to areas of known geologic or mineralogic environment. Stream sediment sampling in 1969 was of a reconnaissance nature, and background information on drainage basins is not available. Because many metal occurrences in this region are found within, or adjacent to, plutonic rocks and because these rocks underlie a large portion of the mapped area, analyses of unmineralized plutonic rocks from the map area are given in Table 2 to aid in establishing local background values. The samples selected for analyses (plate 4) are unaltered, and represent the most typical lithology at the sample locality. The analyses given in Table 2 indicate that the base metal content of the plutonic rock samples falls close to the average abundance for similar rocks as compiled by Parker (1967). This suggests that the anomalous metal contents in sediment samples from streams draining granitic terrain are related to local areas of metal enrichment within the igneous bodies.

The following descriptions are intended to be illustrative rather than comprehensive. Isolated occurrences of mineralized float, for which analyses and a brief megascopic description are given (Table 3, Appendix) are not discussed separately in the text. Some have a sufficiently high metal content to prompt investigation of the source.

Area of the Styx River batholith

Sediment samples from streams draining parts of the Styx River batholith and related plutonic bodies are characterized by high metal values (well

above those of unaltered rock samples) for several elements, notably silver, copper, lead, tin, and zinc. In a general way, these values define a northwest-trending area bounded on the southwest by the Chilligan River and on the northeast by the Skwentna River and extending northwest to the South Fork of the Kuskokwim River. The batholith intrudes Mesozoic metavolcanic and metasedimentary rocks, Tertiary volcanic rocks, and the Mount Estelle pluton. The batholith is cut by northwest-trending shear and fault zones which locally have served as structural guides for metal deposits. Rocks bordering some shear zones are altered and contain disseminated sulfide minerals. Malachite and azurite are present on joint surfaces adjacent to many of the shear zones, and minor copper mineralization is common near the contacts of the batholith and mafic volcanic rocks of Mesozoic age.

In addition to the metals mentioned above, sediment samples from streams draining the hills northeast of Jimmy Lake and northeast-flowing tributaries to the Styx River in the eastern part of the Lime Hills C-1 quadrangle contain high values for arsenic and molybdenum.

In the hills northeast of Jimmy Lake mineralization occurs within altered portions of a biotite granite stock that intrudes sedimentary rocks and probably intrudes the overlying Tertiary volcanic rocks. The volcanic rocks consist of lithic and crystal tuff and contain fragments of slate and graywacke. The stock, probably a satellite of the Styx River batholith, contains fluorite as a characteristic accessory mineral. Sparse float from this area indicates that the granite is locally altered to quartz-sericite-kaolinite and albite, and contains minor amounts of disseminated galena and sphalerite (sample S1). Rare pieces of altered granitic float contain

veinlets (1/8 to 1/4 inch wide) of quartz, galena, sphalerite, and arsenopyrite (sample S2), and quartz-molybdenite veins (sample S3).

East of the Styx River, granodiorite of the Mount Estelle intrusive is cut by northwest-trending shear zones and quartz-feldspar porphyry dikes. The dikes are thought to be offshoots from the Styx River batholith which cuts the Mount Estelle pluton 2 miles to the southeast. Mineralization at the occurrence examined is confined to a shear zone 3 to 5 feet wide, over an exposed length of 30 feet. The occurrence may be representative of the source of other mineralized float found in this area. Granodiorite in the shear zone is altered to quartz, sericite, and albite and contains clots of iron oxide minerals and up to 10 percent sulfide minerals (chiefly pyrite and chalcopyrite (sample S4)). Trace amounts of chalcopyrite are present along fractures and as disseminations in the granodiorite up to 10 feet from the shear zone (sample S5). The shear apparently served as a feeder channel for metal-bearing fluids which locally migrated laterally from the shear along joints and irregular fractures for distances up to 30 feet. Mineralization at distances greater than 10 feet from the shear zone is restricted to a thin veneer of malachite and azurite along joint and fracture surfaces (sample S6).

Small iron-stained zones occur in granodiorite 2,000 feet southeast of the above locality. Float of altered granodiorite collected downslope for these altered zones contain small amounts of disseminated pyrite, chalcopyrite, arsenopyrite, bornite, and tourmaline (samples S7-10). Although the metal content of some of these samples is high, it should be noted that mineralized float is sparse and the oxidized zones, as seen from the air, are small.

Mineralized float (samples S11-16) is present in a small cirque 1 mile to the south (pl. 4). The float is not abundant; the source is probably restricted to the immediate area of the cirque.

A small body of grayish-orange-weathering quartz monzonite is exposed for about 1,000 feet along a ridge east of the South Fork of the Kuskokwim River (samples S17-18) and is thought to be a satellite of the Styx River batholith. The quartz monzonite cuts slates and graywacke, and a monzonite stock tentatively assigned to the Hartman River plutons. The quartz monzonite contains trace amounts of disseminated chalcopyrite and sparse fractures locally contain quartz, chalcopyrite, and minor amounts of other sulfide minerals (sample S19). Soil samples taken along the ridge contain 100-500 ppm Cu, .5-1.5 ppm As, and ≤ 200 ppm As.

Altered quartz monzonite float containing 5 to 20 percent sulfide minerals is abundant on a narrow medial moraine on the east side of a small glacier in the northern part of the Lime Hills B-1 quadrangle (samples S20-23). The quartz monzonite is permeated with iron-oxide minerals and is composed chiefly of quartz, K-feldspar, and muscovite. The sulfide minerals occur as small irregular-shaped clots up to 2 cm in diameter, as disseminated grains, and as thin veinlets up to 5 mm wide. Sphalerite (marmatite), galena, and pyrite are megascopically visible, but the presence of tin and silver in the analyses indicate that other minerals, not identified in hand specimen, may also be present. Quartz monzonite in the cirque walls at the northeast side of the glacier is locally iron stained, but the only visible sulfide mineral in these rocks is pyrite. It is likely that the source of the float lies beneath the glacier.

Rock samples (S24-26) from an altered and intensely iron-stained felsic intrusive rock on a tributary to the Styx River (Lime Hills C-1 quadrangle) contain minor pyrite, sphalerite, and galena. The altered rock, which is exposed for about 200 feet along the creek, is composed chiefly of quartz, and sericite, with minor K-feldspar and altered biotite. Sulfide minerals, mostly pyrite, generally constitute less than 1 percent of the total rock. It occurs chiefly as disseminations in the felsite and in quartz veins up to 2 inches wide. Sphalerite and galena occur as thin veinlets up to 2 mm wide and, rarely, as finely disseminated grains in the felsite.

Mount Estelle Pluton

Sediment samples from streams that drain parts of the Mount Estelle pluton contain above-average contents of gold, arsenic, copper, silver, and less commonly zinc, lead, and boron. Gold is consistently present in amounts between 0.1 and 1.1 ppm in sediment samples from the streams draining two small glaciers 1 and 2 miles east of Mount Estelle. The glaciers lie within the Mount Estelle pluton. Analyses of mineralized float collected from the moraines at the foot of the two glaciers contain significant amounts of one or more of the following metals: gold, silver, arsenic, copper, lead, antimony, and tin (samples E1-10). Most of these samples are apparently quartz vein rock, but sheared intrusive rock and quartz-carbonate vein rock are also present. The mineralized float is not abundant, although some of the samples analyzed were from boulders up to two feet in diameter. Prominent alteration was not seen in the intrusive, but locally, narrow (0.6 to 2 feet wide) light-colored dikes were observed from the air.

Trace amounts of gold have been reported from gravels at Hellsgate (Spurr, 1900, p. 260) and from both sides of the northern part of the Mount Estelle pluton (Brooks, 1911, pl. 9). It is likely that the source of the gold is the quartz veins which represent a late- or post-magmatic period of metallization associated with the Mount Estelle pluton.

McGrath A-2 quadrangle

Molybdenum is commonly present in sediments from streams draining the ridge between Krunka Creek and the West Fork of the Post River. The area is underlain by Paleozoic black shale, argillaceous sandstone and limestone. A narrow stock of quartz monzonite cuts the sedimentary rocks, and small oxidized zones are locally present along the contact. The highest molybdenum values (20-70 ppm) are from streams on the north side of the ridge.

The source of the molybdenum cannot be readily explained. It may be related to shales with above-average concentrations of molybdenum. Molybdenum values of 10-30 ppm occur in sediment samples at Jay Creek three miles to the north (Reed and Elliott, 1968b) which lies in a similar geologic environment. However, it also should be pointed out that other areas of similar geologic environment between the Windy Fork and Post Rivers do not contain anomalous molybdenum values in sediment samples. The molybdenum content of the quartz monzonite stock (sample G39, table 2) is less than 5 ppm, but additional background information for the area between Krunka Creek and the West Fork of the Post River is necessary to determine if the molybdenum values are of significance.

Hartman River - South Fork Kuskokwim River area

Mineral occurrences in an area bounded by the upper reaches of the Hartman, Stony, and South Fork Kuskokwim Rivers are diverse in nature and are herein grouped for geographical and not geological reasons. Cretaceous metasedimentary rocks, Tertiary volcanic rocks, and granitic rocks of two or more intrusive suites underlie this region.

Veins and float containing sulfide minerals are present in the vicinity of three small glaciers at the head of the south fork of the Hartman River, 6 miles southeast of Sled Pass (samples H1-7, pl. 4). The sulfide minerals are pyrite, arsenopyrite, chalcopyrite, and pyrrhotite. This area is underlain by dark, relatively unmetamorphosed, clastic sediments in which shale or argillite predominates over fine-grained graywackes. These rocks are cut by a series of shears and faults which strike in a generally east-west direction and dip steeply to the north or south. The shear zones are spaced about 300 to 500 feet apart. A small granitic body occurs approximately 1 mile southwest of the three glaciers.

Mineralization is of three types: (1) clastic sediments containing disseminated sulfide minerals adjacent to shear zones (H-1), (2) narrow veins of massive arsenopyrite and(or) pyrite with minor chalcopyrite along shears (H-2), and (3) minor sulfides in quartz veins (H-3 - 6). Disseminated sulfide minerals do not comprise more than 10 percent of the rock and are generally confined to the immediate vicinity of a shear zone. Veins of arsenopyrite and(or) pyrite with minor chalcopyrite are generally less than two inches wide and sparsely distributed. Replacement of adjacent rock is uncommon. Quartz veins, 1 to 6 inches wide, are common throughout the area but are generally barren of sulfide minerals. In veins that contain sulfide minerals, arsenopyrite, pyrite, pyrrhotite, and chalcopyrite seldom exceed

10 percent of the vein material. Trace amounts of gold are present in some sediment samples from this area, but the quartz veins sampled are not auriferous.

Several massive stibnite blocks up to 1 foot across are present in frost-heaved rubble near the top of a ridge and in talus on the west side of the ridge east of Sled Pass (samples H-8-9). The area is underlain by dark gray argillite and interbedded graywacke. The float samples are probably no more than a few feet or a few tens of feet from their source. The inclusion of angular fragments of argillite and the overall brecciated texture of some of the blocks suggest that the occurrence is probably localized along faults or shear zones.

Appendix

The following megascopic descriptions of mineralized bedrock and float samples are, in some cases, supplemented by whole rock X-ray diffraction analyses and examination of polished sections. The analyses of the samples are given in table 3 and their locations are shown on plate 4.

- S-1 Boulder; altered granite consisting chiefly of quartz, sericite, kaolinite, albite, and less than 5 percent disseminated galena and sphalerite.
- S-2 Cobble; altered granite, similar to S-1 but with thin veinlets of quartz, sphalerite, galena, and arsenopyrite, trace of chalcopyrite.
- S-3 Cobble; partially altered granite with 1 inch wide quartz-molybdenite vein.
- S-4 Altered granodiorite (chiefly quartz and sericite) with 5 to 8 percent disseminated pyrite, arsenopyrite, and chalcopyrite.
- S-5 Partially altered granodiorite with 3 to 5 percent disseminated pyrite and chalcopyrite; malachite on joint surfaces.
- S-6 Granodiorite with malachite and azurite on joint surfaces; hornblende and biotite are slightly altered.
- S-7 Cobble; altered granitic rock with 5 to 8 percent disseminated sulfide minerals; chiefly bornite and chalcopyrite.
- S-8 Cobble; altered granitic rock with 10 percent disseminated arsenopyrite and chalcopyrite.
- S-9 Cobble; altered granitic rock with seams of tourmaline and minor bornite; less than 2 percent bornite and chalcopyrite disseminated throughout; malachite on fractures.
- S-10 Fissure filling in quartz monzonite boulder containing tourmaline, chalcopyrite, and arsenopyrite; chalcopyrite disseminated over a width of 10 to 15 cm.

- S-11 Cobble; granodiorite with about 15 percent chalcopyrite interstitial to quartz, K-feldspar, and plagioclase. Float is rare.
- S-12 Cobble; altered felsic rock containing 30 percent sulfide minerals; chiefly pyrrhotite, sphalerite, galena, and pyrite.
- S-13 Boulder; biotite, quartz and actinolite(?) with 5 percent chalcopyrite.
- S-14 Cobble; fine-grained banded sulfides; chiefly pyrrhotite and sphalerite, and minor galena.
- S-15 Boulder; banded fine-grained sulfides similar to S-14. Chiefly pyrrhotite and sphalerite (marmatite) with calc-silicate minerals; minor galena and pyrite.
- S-16 Cobble; white vein quartz containing sphalerite and galena.
- S-17 Grab sample of fine-grained quartz monzonite that contains pyrite and trace amounts of chalcopyrite.
- S-18 do
- S-19 Fracture (1 cm wide) in quartz monzonite filled with quartz, chalcopyrite, pyrite, and trace amounts of other sulfide minerals.
- S-20 Boulder; altered quartz monzonite (quartz, K-feldspar, and sericite) containing about 15 percent irregular clots up to 1 cm in diameter of fine-grained sphalerite, galena, and minor pyrite.
- S-21 Cobble; altered quartz monzonite with thin seams (0.5 to 2 mm wide) of pyrite, sphalerite, and galena.
- S-22 Cobble; altered quartz monzonite containing 3 to 5 percent disseminated galena and pyrite.
- S-23 Cobble; altered quartz monzonite containing about 20 percent disseminated sphalerite, galena, and other unidentified sulfide minerals.
- S-24 Quartz-pyrite vein (1 to 2 cm wide) in bleached felsic intrusive; trace of sphalerite.

- S-25 Iron-stained gouge from 10 cm wide shear zone in bleached/altered felsic intrusive.
- S-26 Bleached/altered felsic intrusive with minor disseminated pyrite and small (1 mm wide) veinlets of pyrite and sphalerite.
- S-27 Boulder; mafic rock containing 30 percent massive chalcopyrite and pyrite.
- S-28 Cobble; tourmaline-quartz rock with 20 percent disseminated arsenopyrite, pyrite, and chalcopyrite.
- S-29 Cobble; altered felsic rock with 3 percent disseminated pyrite and galena; limonite and malachite on fracture surfaces.
- S-30 Boulder; altered, sheared, fine-grained igneous rock with minor disseminated pyrite (2%), galena (1 to 2%), and trace of sphalerite and arsenopyrite.
- E-1 Cobble; sheared granodiorite containing minor amounts of disseminated chalcopyrite; malachite on fracture surfaces.
- E-2 Cobble; bull quartz with less than 1 percent galena; probably contains trace amounts of free gold.
- E-3 Cobble; sheared and altered quartz monzonite containing trace amounts of galena, pyrrhotite, and arsenopyrite.
- E-4 Boulder; bull quartz with 20 percent chalcopyrite and trace of arsenopyrite.
- E-5 Boulder; similar to sample E-4.
- E-6 Boulder; granodiorite containing narrow (<1 inch wide) quartz-chalcopyrite-arsenopyrite-pyrrhotite-pyrite veins.
- E-7 Boulder; altered granodiorite with thin (<1 inch) seams of arsenopyrite, pyrite, and chalcopyrite; minor amounts of disseminated chalcopyrite and pyrite.
- E-8 Cobble; banded quartz vein containing tourmaline, arsenopyrite, pyrite, and chalcopyrite.

- E-9 Boulder; altered granodiorite containing 1-inch wide veins of quartz, arsenopyrite, pyrite, and chalcopyrite.
- E-10 Boulder; brecciated quartz-carbonate vein(?) containing less than 10 percent combined pyrite, chalcopyrite, and galena.
- H-1 Graywacke containing less than 5 percent disseminated pyrite and chalcopyrite.
- H-2 Boulder; argillite containing 1-inch wide vein of arsenopyrite (75%), pyrite (10%), and sheared argillite (15%).
- H-3 Three-foot wide quartz vein containing arsenopyrite (10%) and minor chalcopyrite.
- H-4 Boulder; 6-inch quartz vein in argillite containing pyrite, arsenopyrite, and chalcopyrite.
- H-5 Boulder; quartz porphyry containing small veinlets (1 to 2 mm wide) of sphalerite and pyrite.
- H-6 Boulder; argillite with 2-inch wide quartz vein containing tourmaline, arsenopyrite, and pyrite.
- H-7 Boulder; argillite containing 2-inch wide veins of quartz, tourmaline, pyrrhotite, arsenopyrite, and minor chalcopyrite.
- H-8 Float (6-inch diameter); massive stibnite containing 10 percent angular fragments of argillite.
- H-9 Float; as sample H-⁸~~1~~, but 12 inches in diameter.
- H-10 Quartz vein 2 inches wide containing less than 2 percent finely disseminated molybdenite. Vein in quartz diorite.
- H-11 Boulder; brecciated quartz diorite containing open space quartz tourmaline veins with 15 percent chalcopyrite and 5 percent pyrite.
- H-12 Boulder; diorite gneiss with tourmaline and disseminated chalcopyrite (15 percent).
- H-13 Cobble; bull quartz containing less than 2 percent molybdenite.

- H-14 Cobble; quartz with less than 10 percent sphalerite and pyrite occurring in thin veinlets 1 to 3 mm wide.
- H-15 Cobble; quartz, pyrrhotite (40 percent), and minor chalcopyrite.
- H-16 Boulder; 2 feet in diameter, sulfide breccia that contains angular fragments of volcanic rock; 60 percent sulfide minerals, chiefly galena and subordinate sphalerite, bournonite, chalcopyrite, and pyrite. Volcanic rocks in cirque to east are locally altered.

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Table 1.--Analyses of stream sediment samples

(Map number refers to locality on plate 3)

MRP NO.	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
1	AKI606	7.0000	1.5000	10.0000	0.5000	300.0000	0.0 L	0.0 N	150.0000	1000.0000	1.5000
2	AKI605	5.0000	1.5000	2.0000	0.7000	500.0000	0.0 N	0.0 N	150.0000	1500.0000	1.5000
3	AKI604	5.0000	1.5000	3.0000	0.7000	300.0000	0.0 N	0.0 N	100.0000	1000.0000	1.5000
4	AKI603	3.0000	1.5000	1.0000	0.5000	300.0000	0.0 N	0.0 N	70.0000	500.0000	1.5000
5	AKI602	7.0000	2.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	150.0000	1500.0000	1.5000
6	AKI601	7.0000	1.0000	0.7000	0.7000	300.0000	0.0 L	0.0 N	150.0000	1500.0000	2.0000
7	AKI607	7.0000	1.5000	7.0000	0.5000	300.0000	0.5000	0.0 N	150.0000	1500.0000	2.0000
8	AKI608	15.0000	2.0000	1.0000	0.7000	1500.0000	1.5000	0.0 L	300.0000	3000.0000	2.0000
9	AKI609	15.0000	2.0000	1.5000	0.7000	1000.0000	0.0 L	300.0000	300.0000	1500.0000	1.5000
10	AKI610	20.0000	1.5000	1.0000	0.7000	2000.0000	0.0 L	0.0 N	300.0000	3000.0000	2.0000
11	AKI611	20.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	200.0000	3000.0000	1.5000
12	AKI612	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
13	AKI614	15.0000	3.0000	3.0000	1.0000	1000.0000	0.0 L	0.0 N	300.0000	1500.0000	2.0000
14	AKI613	10.0000	2.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	100.0000	700.0000	1.0000
15	AKI616	15.0000	2.0000	1.0000	0.7000	700.0000	0.5000	0.0 N	200.0000	1500.0000	1.5000
16	AKI615	3.0000	0.3000	0.7000	0.3000	300.0000	0.0 N	0.0 N	20.0000	300.0000	1.5000
17	AKI617	20.0000	1.0000	0.7000	0.5000	1000.0000	0.5000	0.0 N	150.0000	1500.0000	5.0000
18	AKI618	10.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	1500.0000	1.0000
19	AKI619	10.0000	3.0000	2.0000	0.7000	500.0000	0.0 N	0.0 N	150.0000	700.0000	1.5000
20	AKI620	10.0000	3.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	200.0000	1000.0000	3.0000
21	AKI621	10.0000	1.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	3.0000
22	AKI622	5.0000	0.7000	0.7000	0.5000	1500.0000	1.0000	0.0 N	200.0000	700.0000	5.0000
3	AKI643	10.0000	3.0000	3.0000	0.5000	700.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
4	AKI641	15.0000	3.0000	5.0000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	1.5000
5	AKI642	7.0000	2.0000	0.7000	0.7000	500.0000	0.0 L	0.0 N	200.0000	700.0000	3.0000
6	AKI655	10.0000	2.0000	0.7000	0.7000	300.0000	0.0 L	0.0 N	200.0000	700.0000	3.0000
7	AKI656	10.0000	3.0000	0.7000	0.7000	500.0000	0.0 L	0.0 N	200.0000	700.0000	2.0000
8	AKI645	7.0000	1.5000	0.7000	0.5000	1000.0000	0.0 N	0.0 N	100.0000	500.0000	5.0000
9	AKI644	10.0000	1.5000	0.7000	0.7000	500.0000	0.0 N	0.0 N	100.0000	700.0000	2.0000
30	AKI646	15.0000	3.0000	1.5000	0.7000	700.0000	0.0 L	0.0 N	150.0000	300.0000	2.0000
1	AKI647	15.0000	2.0000	0.7000	0.7000	700.0000	0.0 L	0.0 N	70.0000	500.0000	1.5000
2	AKI649	10.0000	2.0000	0.7000	0.7000	500.0000	0.0 L	0.0 N	100.0000	700.0000	2.0000
3	AKI648	15.0000	3.0000	3.0000	0.5000	700.0000	0.0 L	0.0 N	100.0000	500.0000	3.0000
4	AKI650	7.0000	2.0000	0.7000	0.5000	500.0000	0.5000	0.0 N	100.0000	500.0000	3.0000
5	AKI651	15.0000	2.0000	3.0000	0.7000	700.0000	0.0 L	0.0 N	150.0000	700.0000	2.0000
6	AKI652	5.0000	2.0000	3.0000	0.5000	300.0000	1.0000	0.0 N	150.0000	1500.0000	1.5000
7	AKI633	15.0000	2.0000	5.0000	0.7000	700.0000	0.0 L	0.0 N	300.0000	1500.0000	2.0000
8	AKI632	15.0000	3.0000	5.0000	0.7000	700.0000	0.0 L	0.0 N	300.0000	1500.0000	2.0000
9	AKI631	15.0000	2.0000	2.0000	0.7000	1000.0000	0.7000	0.0 N	200.0000	3000.0000	2.0000
40	AKI627	10.0000	1.5000	5.0000	0.5000	1000.0000	0.5000	0.0 N	150.0000	1500.0000	1.5000
1	AKI628	10.0000	1.5000	1.5000	0.5000	1000.0000	0.5000	0.0 N	100.0000	3000.0000	1.5000
2	AKI630	15.0000	3.0000	3.0000	0.7000	3000.0000	0.0 L	0.0 N	300.0000	1500.0000	1.5000
3	AKI629	7.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	150.0000	1500.0000	5.0000
4	AKI634	15.0000	3.0000	1.5000	0.7000	2000.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
5	AKI624	10.0000	1.5000	1.0000	0.5000	1500.0000	0.5000	0.0 N	150.0000	1500.0000	3.0000
6	AKI623	15.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1000.0000	3.0000
7	AKI635	10.0000	1.5000	1.0000	0.5000	500.0000	0.5000	0.0 N	70.0000	700.0000	1.5000
8	AKI637	15.0000	3.0000	3.0000	0.7000	700.0000	0.5000	0.0 N	150.0000	1500.0000	1.5000
9	AKI636	15.0000	3.0000	1.5000	0.7000	700.0000	0.0 L	0.0 N	300.0000	1500.0000	3.0000
50	AKI639	10.0000	1.5000	1.5000	0.5000	1000.0000	0.5000	0.0 N	100.0000	1500.0000	3.0000

TABLE 1 - P. 2

MRP.	SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
1	AKI606	0.0	30.0000	150.0000	50.0000	0.0	5.0000	10.0000	100.0000	30.0000	0.0
2	AKI605	0.0	50.0000	150.0000	70.0000	0.0	0.0	10.0000	100.0000	30.0000	0.0
3	AKI604	0.0	50.0000	150.0000	50.0000	20.0000	0.0	10.0000	100.0000	20.0000	0.0
4	AKI603	0.0	30.0000	100.0000	30.0000	0.0	0.0	10.0000	70.0000	20.0000	0.0
5	AKI602	0.0	50.0000	150.0000	70.0000	0.0	0.0	10.0000	150.0000	30.0000	0.0
6	AKI601	0.0	30.0000	150.0000	70.0000	0.0	7.0000	10.0000	150.0000	30.0000	0.0
7	AKI607	0.0	30.0000	150.0000	70.0000	0.0	7.0000	10.0000	150.0000	50.0000	0.0
8	AKI608	0.0	50.0000	150.0000	100.0000	0.0	15.0000	10.0000	200.0000	70.0000	0.0
9	AKI609	0.0	50.0000	300.0000	70.0000	0.0	15.0000	10.0000	150.0000	30.0000	0.0
10	AKI610	0.0	70.0000	150.0000	150.0000	0.0	50.0000	10.0000	150.0000	30.0000	0.0
11	AKI611	0.0	70.0000	150.0000	150.0000	0.0	70.0000	10.0000	200.0000	50.0000	0.0
12	AKI612	0.0	50.0000	150.0000	150.0000	0.0	10.0000	10.0000	150.0000	50.0000	0.0
13	AKI614	0.0	70.0000	150.0000	100.0000	0.0	10.0000	0.0	150.0000	30.0000	0.0
14	AKI613	0.0	30.0000	70.0000	50.0000	0.0	0.0	15.0000	50.0000	10.0000	0.0
15	AKI616	0.0	70.0000	150.0000	150.0000	20.0000	10.0000	15.0000	150.0000	50.0000	0.0
16	AKI615	0.0	10.0000	0.0	0.0	0.0	0.0	15.0000	0.0	15.0000	0.0
17	AKI617	0.0	70.0000	100.0000	200.0000	0.0	30.0000	10.0000	300.0000	70.0000	0.0
18	AKI618	0.0	30.0000	100.0000	70.0000	0.0	50.0000	0.0	150.0000	30.0000	0.0
19	AKI619	0.0	30.0000	150.0000	70.0000	20.0000	0.0	10.0000	100.0000	30.0000	0.0
20	AKI620	0.0	30.0000	150.0000	50.0000	0.0	7.0000	15.0000	70.0000	20.0000	0.0
1	AKI621	0.0	20.0000	20.0000	50.0000	100.0000	20.0000	10.0000	15.0000	50.0000	0.0
2	AKI622	0.0	15.0000	10.0000	70.0000	20.0000	0.0	10.0000	7.0000	30.0000	0.0
3	AKI643	0.0	50.0000	200.0000	70.0000	20.0000	0.0	15.0000	150.0000	30.0000	0.0
4	AKI641	0.0	70.0000	150.0000	100.0000	30.0000	5.0000	10.0000	150.0000	50.0000	0.0
5	AKI642	0.0	30.0000	150.0000	70.0000	30.0000	0.0	10.0000	150.0000	30.0000	0.0
6	AKI655	0.0	50.0000	150.0000	70.0000	30.0000	0.0	10.0000	150.0000	70.0000	0.0
7	AKI656	0.0	50.0000	150.0000	70.0000	20.0000	0.0	10.0000	150.0000	50.0000	0.0
8	AKI645	0.0	30.0000	70.0000	70.0000	20.0000	0.0	15.0000	70.0000	70.0000	0.0
9	AKI644	0.0	30.0000	150.0000	70.0000	30.0000	5.0000	10.0000	100.0000	50.0000	0.0
30	AKI646	0.0	50.0000	150.0000	70.0000	50.0000	5.0000	10.0000	150.0000	50.0000	0.0
1	AKI647	0.0	70.0000	150.0000	100.0000	30.0000	5.0000	10.0000	150.0000	70.0000	0.0
2	AKI649	0.0	30.0000	100.0000	50.0000	20.0000	0.0	10.0000	100.0000	30.0000	0.0
3	AKI648	0.0	70.0000	150.0000	70.0000	30.0000	5.0000	10.0000	150.0000	30.0000	0.0
4	AKI650	0.0	30.0000	100.0000	70.0000	20.0000	0.0	15.0000	100.0000	70.0000	0.0
5	AKI651	0.0	70.0000	100.0000	70.0000	30.0000	5.0000	10.0000	150.0000	70.0000	0.0
6	AKI652	0.0	30.0000	70.0000	50.0000	20.0000	5.0000	10.0000	150.0000	30.0000	0.0
7	AKI633	0.0	30.0000	150.0000	70.0000	20.0000	15.0000	10.0000	150.0000	30.0000	0.0
8	AKI632	0.0	50.0000	300.0000	70.0000	20.0000	5.0000	10.0000	150.0000	30.0000	0.0
9	AKI631	0.0	50.0000	200.0000	100.0000	20.0000	20.0000	10.0000	150.0000	50.0000	0.0
40	AKI627	0.0	30.0000	150.0000	70.0000	0.0	7.0000	15.0000	150.0000	30.0000	0.0
1	AKI628	0.0	30.0000	70.0000	70.0000	0.0	15.0000	15.0000	150.0000	30.0000	0.0
2	AKI630	0.0	70.0000	300.0000	70.0000	20.0000	5.0000	10.0000	200.0000	30.0000	0.0
3	AKI629	0.0	20.0000	50.0000	50.0000	30.0000	15.0000	15.0000	70.0000	20.0000	0.0
4	AKI634	0.0	50.0000	150.0000	70.0000	20.0000	5.0000	10.0000	150.0000	50.0000	0.0
5	AKI624	0.0	30.0000	70.0000	70.0000	20.0000	15.0000	15.0000	150.0000	50.0000	0.0
6	AKI623	0.0	30.0000	30.0000	50.0000	20.0000	7.0000	15.0000	30.0000	50.0000	0.0
7	AKI635	0.0	20.0000	30.0000	70.0000	20.0000	0.0	10.0000	30.0000	30.0000	0.0
8	AKI637	0.0	50.0000	150.0000	70.0000	20.0000	7.0000	10.0000	150.0000	30.0000	0.0
9	AKI636	0.0	50.0000	150.0000	70.0000	20.0000	10.0000	10.0000	150.0000	50.0000	0.0
50	AKI639	0.0	50.0000	150.0000	100.0000	30.0000	10.0000	10.0000	150.0000	50.0000	0.0

TABLE 1 - P.3

MMP#2: SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
1 AKI606	15.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
2 AKI605	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
3 AKI604	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4 AKI603	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
5 AKI602	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
6 AKI601	20.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
7 AKI607	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
8 AKI608	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	300.0000	200.0000	0.0400
9 AKI609	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	500.0000	300.0000	0.0200L
10 AKI610	30.0000	0.0 N	300.0000	500.0000	0.0 N	30.0000	700.0000	200.0000	0.0200L
11 AKI611	20.0000	0.0 N	200.0000	700.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
12 AKI612	15.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	500.0000	100.0000	0.0200L
13 AKI614	30.0000	0.0 N	200.0000	500.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
14 AKI613	15.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	500.0000	200.0000	0.0200L
15 AKI616	30.0000	0.0 N	150.0000	500.0000	0.0 N	30.0000	0.0 N	200.0000	0.0200L
16 AKI615	5.0000	0.0 N	150.0000	30.0000	0.0 N	15.0000	0.0 N	150.0000	0.0200L
17 AKI617	20.0000	0.0 N	150.0000	500.0000	0.0 N	50.0000	700.0000	150.0000	0.0200L
18 AKI618	15.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
19 AKI619	15.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
20 AKI620	15.0000	0.0 N	300.0000	150.0000	0.0 L	30.0000	200.0000	300.0000	0.0200L
1 AKI621	15.0000	10.0000	150.0000	70.0000	50.0000	20.0000	0.0 L	200.0000	0.0200L
2 AKI622	10.0000	10.0000	150.0000	30.0000	0.0 L	15.0000	0.0 L	200.0000	0.0200L
3 AKI643	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
4 AKI641	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
5 AKI642	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	300.0000	150.0000	0.0200L
6 AKI655	20.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
7 AKI656	20.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
8 AKI645	20.0000	0.0 N	100.0000	200.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
9 AKI644	20.0000	0.0 N	100.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
AKI646	20.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	0.0 L	500.0000	0.0200L
AKI647	20.0000	0.0 N	0.0 L	300.0000	0.0 N	50.0000	200.0000	150.0000	0.0200L
2 AKI649	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
3 AKI648	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
4 AKI650	15.0000	30.0000	100.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
5 AKI651	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	500.0000	0.0200L
6 AKI652	15.0000	15.0000	150.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
7 AKI633	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
8 AKI632	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	300.0000	150.0000	0.0200L
9 AKI631	20.0000	0.0 N	200.0000	500.0000	0.0 N	30.0000	500.0000	150.0000	0.0200L
AKI627	15.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	300.0000	70.0000	0.0200L
40 AKI628	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
1 AKI630	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
2 AKI629	15.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
3 AKI634	15.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
4 AKI623	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
5 AKI624	20.0000	0.0 L	500.0000	200.0000	0.0 L	30.0000	0.0 L	200.0000	0.0200L
6 AKI635	10.0000	10.0000	150.0000	70.0000	70.0000	20.0000	0.0 L	200.0000	0.0200L
7 AKI637	20.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	300.0000	150.0000	0.0200L
8 AKI636	20.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	500.0000	200.0000	0.0200L
9 AKI639	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L

TABLE 1

MAP NO.	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
51	AKI1638	15.0000	3.0000	1.5000	0.7000	700.0000	0.5000	0.0 N	200.0000	1500.0000	1.5000
2	AKI1640	15.0000	3.0000	2.0000	0.7000	1000.0000	0.0 L	0.0 N	20.0000	1500.0000	3.0000
3	AKI1657	15.0000	3.0000	5.0000	0.7000	300.0000	0.0 N	0.0 N	200.0000	1000.0000	1.5000
4	AKI1654	10.0000	1.5000	1.0000	0.7000	700.0000	3.0000	700.0000	150.0000	300.0000	1.5000
5	AKI1653	10.0000	3.0000	1.5000	0.7000	700.0000	0.0 L	0.0 N	150.0000	500.0000	2.0000
6	AKI1659	10.0000	1.0000	0.7000	0.7000	700.0000	0.0 L	0.0 N	150.0000	2000.0000	1.5000
7	AKI1658	7.0000	1.5000	1.5000	0.5000	500.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
8	AKI1661	5.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	200.0000	1500.0000	3.0000
9	AKI1660	7.0000	1.5000	1.5000	0.7000	700.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
60	AKI1662	10.0000	1.5000	2.0000	0.7000	500.0000	0.0 N	0.0 N	150.0000	500.0000	1.5000
1	AKI1665	15.0000	1.5000	2.0000	0.7000	300.0000	0.0 N	0.0 N	100.0000	300.0000	1.5000
2	AKI1663	10.0000	1.5000	1.0000	0.7000	500.0000	0.0 N	0.0 N	150.0000	300.0000	1.5000
3	AKI1664	15.0000	2.0000	1.5000	1.0000	1000.0000	0.0 N	0.0 N	200.0000	700.0000	2.0000
4	AKI1666	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	100.0000	700.0000	1.5000
5	AKI1667	15.0000	2.0000	5.0000	0.7000	500.0000	0.0 N	0.0 N	150.0000	1000.0000	2.0000
6	AKI1669	10.0000	1.5000	7.0000	0.7000	300.0000	0.0 L	0.0 N	150.0000	1500.0000	2.0000
7	AKI1668	10.0000	1.5000	3.0000	0.7000	300.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
8	AKI1670	15.0000	1.5000	7.0000	0.7000	300.0000	0.0 N	0.0 N	100.0000	700.0000	1.5000
9	AKI1626	10.0000	1.5000	0.7000	0.5000	500.0000	0.0 N	0.0 N	100.0000	300.0000	0.0 L
70	AKI1625	10.0000	1.5000	0.7000	0.7000	500.0000	0.0 L	0.0 N	150.0000	700.0000	1.5000
1	AKI1672	10.0000	1.5000	1.5000	0.7000	500.0000	0.0 L	0.0 N	100.0000	700.0000	1.5000
2	AKI1671	15.0000	1.5000	0.7000	0.7000	500.0000	0.0 N	0.0 N	100.0000	300.0000	0.0 L
3	AKI1202	7.0000	0.7000	0.7000	0.5000	700.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
4	AKI1201	7.0000	0.7000	0.3000	0.5000	500.0000	0.0 N	0.0 N	70.0000	300.0000	1.5000
5	AKI1200	15.0000	1.5000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
6	AKI1199	3.0000	1.0000	1.5000	0.3000	300.0000	0.0 N	500.0000	0.0 N	300.0000	1.5000
7	AKI1203	10.0000	0.7000	0.7000	0.5000	2000.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
8	AKI1204	15.0000	1.5000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	70.0000	1000.0000	1.0000
9	AKI1198	3.0000	0.7000	0.5000	0.3000	1000.0000	0.0 N	0.0 N	70.0000	700.0000	1.0000
80	AKI1197	3.0000	1.0000	0.3000	0.3000	1500.0000	0.0 N	0.0 N	30.0000	500.0000	0.0 L
1	AKI1195	0.7000	0.0700	0.2000	0.0500	100.0000	0.0 N	0.0 N	0.0 L	100.0000	2.0000
2	AKI1196	15.0000	2.0000	0.7000	0.5000	500.0000	1.5000	300.0000	100.0000	500.0000	1.0000
3	AKI1194	7.0000	1.0000	0.7000	0.3000	500.0000	0.5000	1500.0000	70.0000	300.0000	2.0000
4	AKI1205	7.0000	1.5000	0.3000	0.7000	2000.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
5	AKI1206	7.0000	2.0000	1.0000	0.7000	1000.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
6	AKI1207	10.0000	1.5000	0.5000	0.7000	1500.0000	0.5000	0.0 N	70.0000	1000.0000	1.0000
7	AKI1208	5.0000	1.5000	0.2000	0.5000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
8	AKI1209	10.0000	1.5000	0.3000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
9	AKI1210	10.0000	1.5000	0.3000	0.7000	3000.0000	1.0000	0.0 N	70.0000	1000.0000	0.0 L
10	AKI1211	7.0000	1.5000	0.3000	0.3000	700.0000	1.5000	0.0 L	70.0000	500.0000	1.0000
1	AKI1212	5.0000	1.5000	0.5000	0.3000	700.0000	0.7000	0.0 L	70.0000	500.0000	1.0000
2	AKI1213	10.0000	2.0000	0.7000	0.3000	1000.0000	1.0000	200.0000	70.0000	500.0000	1.0000
3	AKI1219	0.7000	0.0700	0.1500	0.0500	200.0000	0.0 L	0.0 N	0.0 N	0.0 L	5.0000
4	AKI1220	3.0000	1.0000	0.7000	0.3000	700.0000	1.5000	0.0 N	30.0000	300.0000	0.0 L
5	AKI1218	10.0000	2.0000	0.5000	0.5000	2000.0000	2.0000	200.0000	70.0000	700.0000	1.0000
6	AKI1191	10.0000	2.0000	1.5000	0.7000	1500.0000	0.5000	0.0 N	15.0000	500.0000	1.0000
7	AKI1214	3.0000	0.3000	0.3000	0.2000	700.0000	0.0 L	0.0 N	0.0 N	200.0000	2.0000
8	AKI1216	2.0000	0.3000	0.3000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	150.0000	1.5000
9	AKI1215	0.7000	0.0700	0.2000	0.0700	150.0000	0.0 L	0.0 L	0.0 N	100.0000	1.5000
100	AKI1217	0.7000	0.0700	0.1500	0.0700	200.0000	0.0 L	0.0 N	0.0 N	100.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CK PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
51 AKI1638	0.0 N	70.0000	150.0000	70.0000	20.0000	7.0000	10.0000	150.0000	50.0000	0.0 N
2 AKI1640	0.0 N	50.0000	150.0000	100.0000	20.0000	10.0000	10.0000	150.0000	50.0000	0.0 L
3 AKI1657	0.0 N	70.0000	300.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	50.0000	0.0 N
4 AKI1654	0.0 N	30.0000	100.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	100.0000	0.0 N
5 AKI1653	0.0 N	50.0000	150.0000	70.0000	20.0000	5.0000	10.0000	150.0000	50.0000	0.0 L
6 AKI1659	0.0 N	50.0000	150.0000	70.0000	20.0000	15.0000	10.0000	150.0000	30.0000	0.0 N
7 AKI1658	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
8 AKI1661	0.0 N	30.0000	100.0000	70.0000	20.0000	7.0000	10.0000	150.0000	50.0000	0.0 L
9 AKI1660	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
60 AKI1662	0.0 N	30.0000	300.0000	70.0000	20.0000	0.0 L	15.0000	100.0000	20.0000	0.0 N
1 AKI1665	0.0 N	30.0000	150.0000	50.0000	30.0000	0.0 L	10.0000	100.0000	20.0000	0.0 L
2 AKI1663	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
3 AKI1664	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
4 AKI1666	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
5 AKI1667	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
6 AKI1669	0.0 N	30.0000	100.0000	70.0000	20.0000	5.0000	10.0000	100.0000	20.0000	0.0 N
7 AKI1668	0.0 N	30.0000	150.0000	70.0000	20.0000	5.0000	10.0000	100.0000	20.0000	0.0 N
8 AKI1670	0.0 N	30.0000	150.0000	30.0000	20.0000	0.0 L	10.0000	70.0000	15.0000	0.0 N
9 AKI1626	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
70 AKI1625	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
1 AKI1672	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
2 AKI1671	0.0 N	50.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	20.0000	0.0 N
3 AKI1202	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
4 AKI1201	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
5 AKI1200	0.0 N	50.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	50.0000	0.0 N
6 AKI1199	0.0 N	10.0000	150.0000	7.0000	0.0 L	5.0000	0.0 L	30.0000	15.0000	0.0 N
7 AKI1203	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
8 AKI1204	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000	70.0000	0.0 N
9 AKI1198	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N
50 AKI1197	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
1 AKI1195	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	15.0000	0.0 N
2 AKI1196	0.0 N	30.0000	150.0000	300.0000	0.0 L	5.0000	10.0000	100.0000	50.0000	0.0 L
3 AKI1194	0.0 N	15.0000	70.0000	70.0000	0.0 L	10.0000	10.0000	50.0000	50.0000	0.0 N
4 AKI1205	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N
5 AKI1206	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
6 AKI1207	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
7 AKI1208	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
8 AKI1209	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
9 AKI1210	0.0 N	70.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	100.0000	0.0 N
70 AKI1211	0.0 N	50.0000	150.0000	300.0000	0.0 N	0.0 L	10.0000	150.0000	100.0000	0.0 N
1 AKI1212	0.0 N	30.0000	150.0000	150.0000	0.0 N	0.0 L	10.0000	100.0000	50.0000	0.0 N
2 AKI1213	0.0 N	70.0000	150.0000	200.0000	0.0 N	5.0000	10.0000	100.0000	70.0000	0.0 N
3 AKI1219	0.0 N	0.0 N	0.0 L	0.0 L	70.0000	0.0 L	0.0 L	5.0000	70.0000	0.0 N
4 AKI1220	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	100.0000	0.0 N
5 AKI1218	0.0 N	100.0000	150.0000	200.0000	0.0 L	5.0000	10.0000	150.0000	700.0000	0.0 N
6 AKI1191	0.0 N	30.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000	100.0000	0.0 N
7 AKI1214	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 L	10.0000	5.0000	100.0000	0.0 N
8 AKI1216	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 L	10.0000	0.0 L	100.0000	0.0 N
9 AKI1215	0.0 N	0.0 N	0.0 L	0.0 L	300.0000	0.0 L	0.0 L	5.0000	30.0000	0.0 N
100 AKI1217	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	0.0 L	5.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
5 AK1638	30.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
2 AK1640	30.0000	0.0 N	300.0000	300.0000	0.0	50.0000	500.0000	200.0000	0.0200L
3 AK1657	30.0000	0.0 N	200.0000	300.0000	0.0	30.0000	200.0000	150.0000	0.0200L
4 AK1654	15.0000	10.0000	100.0000	200.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
5 AK1653	20.0000	10.0000	150.0000	200.0000	0.0	30.0000	200.0000	300.0000	0.0200L
6 AK1659	15.0000	0.0 N	150.0000	300.0000	0.0	20.0000	300.0000	200.0000	0.0200L
7 AK1658	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
8 AK1661	20.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
9 AK1660	15.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000	200.0000	0.0200L
4 AK1662	20.0000	0.0 N	200.0000	300.0000	0.0	30.0000	0.0 L	150.0000	0.0200L
1 AK1665	20.0000	0.0 N	150.0000	200.0000	0.0	30.0000	0.0 L	300.0000	0.0200L
1 AK1663	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
3 AK1664	20.0000	0.0 N	200.0000	300.0000	0.0	30.0000	0.0 L	300.0000	0.0200L
4 AK1666	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5 AK1667	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
2 AK1669	20.0000	0.0 N	300.0000	300.0000	0.0	30.0000	300.0000	150.0000	0.0200L
7 AK1668	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
8 AK1670	20.0000	0.0 N	500.0000	200.0000	0.0	20.0000	0.0 L	150.0000	0.0200L
9 AK1626	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
7 AK1625	30.0000	0.0 N	150.0000	300.0000	0.0	30.0000	200.0000	200.0000	0.0200L
1 AK1672	30.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
2 AK1671	20.0000	0.0 N	150.0000	200.0000	0.0	20.0000	0.0 L	200.0000	0.0200L
3 AK1202	15.0000	0.0 N	100.0000	200.0000	0.0	10.0000	0.0 L	100.0000	0.0200L
4 AK1201	10.0000	0.0 N	0.0 L	200.0000	0.0	15.0000	0.0 L	100.0000	0.0200L
5 AK1200	20.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
2 AK1199	10.0000	0.0 N	150.0000	70.0000	0.0	15.0000	0.0 N	100.0000	0.0200L
7 AK1203	15.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
8 AK1204	15.0000	0.0 N	100.0000	300.0000	0.0	20.0000	0.0 L	150.0000	0.0200L
9 AK1198	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8 AK1197	10.0000	0.0 N	0.0 L	150.0000	0.0	15.0000	0.0 L	70.0000	0.0200L
1 AK1195	0.0 N	0.0 N	0.0 N	15.0000	0.0	30.0000	0.0 N	200.0000	0.0200L
2 AK1196	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
3 AK1194	7.0000	15.0000	100.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200
4 AK1205	15.0000	0.0 N	150.0000	300.0000	0.0	15.0000	0.0 L	100.0000	0.0200L
5 AK1206	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
6 AK1207	20.0000	0.0 N	150.0000	300.0000	0.0	20.0000	200.0000	300.0000	0.0200L
7 AK1208	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
8 AK1209	15.0000	0.0 N	100.0000	300.0000	0.0	15.0000	0.0 L	100.0000	0.0200L
9 AK1210	15.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
9 AK1211	15.0000	10.0000	150.0000	200.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
1 AK1212	15.0000	0.0 L	150.0000	200.0000	0.0	15.0000	300.0000	70.0000	0.0200L
2 AK1213	15.0000	15.0000	200.0000	200.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
3 AK1219	0.0 N	0.0 L	0.0 N	15.0000	0.0	50.0000	0.0 N	500.0000	0.0200L
4 AK1220	10.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5 AK1218	15.0000	15.0000	200.0000	150.0000	0.0 N	20.0000	700.0000	70.0000	0.0200L
6 AK1191	15.0000	0.0 N	200.0000	150.0000	0.0	20.0000	0.0 L	100.0000	0.0200L
7 AK1214	0.0 L	0.0 L	0.0 L	15.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
8 AK1216	0.0 N	10.0000	0.0 N	20.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
9 AK1215	0.0 N	0.0 N	0.0 L	15.0000	0.0 L	50.0000	0.0 N	300.0000	0.0200L
10 AK1217	0.0 N	15.0000	0.0 N	15.0000	0.0 N	20.0000	0.0 N	500.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
10/ AK1192	3.0000	0.7000	0.5000	0.2000	300.0000	0.0 N	0.0 N	0.0 N	150.0000	2.0000
2 AK1193	7.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0 L	500.0000	0.0 L
3 AK1228	3.0000	1.5000	0.7000	0.3000	300.0000	0.7000	0.0 N	10.0000	300.0000	0.0 N
4 AK1221	3.0000	1.5000	0.7000	0.3000	700.0000	1.5000	0.0 N	20.0000	700.0000	0.0 L
5 AK1222	15.0000	1.5000	0.7000	0.3000	1500.0000	15.0000	200.0000	30.0000	500.0000	1.0000
6 AK1677	15.0000	1.5000	0.7000	0.5000	1500.0000	1.0000	200.0000	200.0000	700.0000	3.0000
7 AK1678	15.0000	2.0000	0.7000	0.5000	1500.0000	1.5000	300.0000	300.0000	700.0000	3.0000
8 AK1679	15.0000	1.5000	2.0000	0.5000	2000.0000	3.0000	0.0 L	50.0000	1000.0000	2.0000
9 AK1223	10.0000	1.5000	0.5000	0.3000	700.0000	1.0000	200.0000	150.0000	500.0000	1.0000
110 AK1224	3.0000	0.7000	0.3000	0.3000	200.0000	0.0 N	0.0 L	200.0000	300.0000	0.0 L
1 AK1227	2.0000	0.3000	0.5000	0.1500	500.0000	0.0 L	0.0 N	0.0 L	150.0000	5.0000
2 AK1226	3.0000	0.5000	0.5000	0.1500	700.0000	0.0 L	0.0 N	0.0 L	150.0000	2.0000
3 AK1225	2.0000	0.5000	0.3000	0.1500	300.0000	0.0 L	0.0 N	10.0000	150.0000	3.0000
4 AK1173	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 N
5 AK1175	3.0000	1.5000	0.7000	0.3000	700.0000	0.7000	0.0 N	0.0 N	300.0000	0.0 N
6 AK1174	3.0000	2.0000	0.7000	0.3000	500.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 N
7 AK1178	7.0000	1.5000	1.0000	0.7000	1000.0000	1.0000	0.0 N	15.0000	500.0000	0.0 L
8 AK1179	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 L
9 AK1176	3.0000	1.0000	0.7000	0.3000	500.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 N
120 AK1177	5.0000	1.5000	1.0000	0.5000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 L
1 AK1181	10.0000	1.0000	0.3000	0.7000	700.0000	0.0 L	0.0 N	200.0000	700.0000	0.0 L
2 AK1180	10.0000	2.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
3 AK1182	10.0000	3.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	0.0 L
4 AK1183	15.0000	3.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	15.0000	300.0000	0.0 N
5 AK1184	10.0000	1.5000	0.7000	0.7000	1500.0000	0.7000	0.0 N	70.0000	1000.0000	0.0 L
6 AK1185	7.0000	1.5000	0.5000	0.7000	700.0000	0.5000	0.0 N	150.0000	700.0000	0.0 N
7 AK1186	10.0000	2.0000	0.7000	0.7000	1500.0000	1.5000	0.0 N	100.0000	1000.0000	0.0 L
8 AK1187	15.0000	1.5000	0.7000	0.7000	3000.0000	30.0000	0.0 N	100.0000	700.0000	0.0 L
9 AK1190	10.0000	3.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	500.0000	700.0000	0.0 L
150 AK1189	7.0000	2.0000	1.0000	0.7000	1500.0000	0.7000	0.0 N	200.0000	700.0000	0.0 L
1 AK1188	7.0000	2.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 L
2 AK1132	10.0000	2.0000	0.5000	0.7000	1500.0000	0.5000	0.0 N	70.0000	1500.0000	0.0 L
3 AK1131	10.0000	2.0000	0.5000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1000.0000	0.0 L
4 AK1130	7.0000	2.0000	0.7000	0.7000	1000.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
5 AK1133	10.0000	2.0000	0.5000	0.7000	1500.0000	0.5000	0.0 N	70.0000	1000.0000	0.0 L
6 AK1134	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	150.0000	300.0000	0.0 L
7 AK1135	7.0000	1.5000	0.7000	0.7000	1000.0000	0.5000	0.0 N	50.0000	700.0000	0.0 L
8 AK1137	10.0000	1.5000	1.5000	0.7000	1500.0000	1.5000	200.0000	100.0000	500.0000	1.5000
9 AK1138	10.0000	2.0000	0.7000	0.7000	1500.0000	0.5000	0.0 L	30.0000	700.0000	0.0 L
140 AK1136	7.0000	1.5000	1.0000	0.5000	700.0000	0.7000	1500.0000	30.0000	500.0000	1.0000
1 AK1165	5.0000	1.5000	1.0000	0.7000	700.0000	0.0 N	0.0 N	20.0000	300.0000	0.0 N
2 AK1166	5.0000	1.5000	1.0000	0.7000	1000.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L
3 AK1167	3.0000	1.0000	0.7000	0.3000	300.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L
4 AK1168	3.0000	1.0000	1.0000	0.5000	500.0000	0.0 N	0.0 N	0.0 N	200.0000	0.0 N
5 AK1169	3.0000	1.0000	1.0000	0.3000	700.0000	0.5000	0.0 N	70.0000	300.0000	0.0 L
6 AK1170	7.0000	2.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 L
7 AK1171	3.0000	1.5000	1.5000	0.5000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	0.0 N
8 AK1172	5.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	300.0000	0.0 L
9 AK1163	7.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	300.0000	0.0 L
150 AK1164	7.0000	1.5000	1.5000	1.0000	1000.0000	0.0 N	0.0 N	20.0000	300.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
101 AKI192	0.0	N	10.0000	5.0000	20.0000	0.0	L	10.0000	30.0000	0.0
2 AKI193	0.0	N	30.0000	30.0000	0.0	N	L	10.0000	30.0000	0.0
3 AKI228	0.0	N	150.0000	70.0000	0.0	L	0.0	L	50.0000	0.0
4 AKI221	0.0	N	150.0000	100.0000	0.0	N	0.0	L	200.0000	0.0
5 AKI222	0.0	N	150.0000	300.0000	0.0	N	0.0	L	700.0000	0.0
6 AKI677	0.0	N	150.0000	200.0000	20.0000	0.0	L	10.0000	100.0000	0.0
7 AKI678	0.0	N	150.0000	300.0000	20.0000	5.0000	15.0000	150.0000	70.0000	0.0
8 AKI679	0.0	N	150.0000	150.0000	20.0000	7.0000	15.0000	200.0000	100.0000	0.0
9 AKI223	0.0	N	150.0000	150.0000	20.0000	0.0	L	100.0000	500.0000	0.0
10 AKI224	0.0	N	100.0000	7.0000	0.0	0.0	10.0000	150.0000	100.0000	0.0
1 AKI227	0.0	N	0.0	0.0	0.0	0.0	0.0	30.0000	0.0	0.0
2 AKI226	0.0	N	0.0	0.0	20.0000	0.0	L	0.0	100.0000	0.0
3 AKI225	0.0	N	0.0	5.0000	100.0000	0.0	L	0.0	150.0000	0.0
4 AKI173	0.0	N	0.0	30.0000	0.0	L	0.0	0.0	100.0000	0.0
5 AKI175	0.0	N	20.0000	30.0000	0.0	N	0.0	30.0000	30.0000	0.0
6 AKI174	0.0	N	30.0000	30.0000	0.0	N	0.0	15.0000	150.0000	0.0
7 AKI178	0.0	N	70.0000	15.0000	0.0	N	10.0000	30.0000	50.0000	0.0
8 AKI179	0.0	N	150.0000	50.0000	0.0	N	10.0000	20.0000	20.0000	0.0
9 AKI176	0.0	N	50.0000	30.0000	0.0	N	10.0000	70.0000	15.0000	0.0
10 AKI177	0.0	N	150.0000	50.0000	0.0	N	0.0	50.0000	20.0000	0.0
1 AKI181	0.0	N	150.0000	70.0000	0.0	N	0.0	70.0000	15.0000	0.0
2 AKI180	0.0	N	150.0000	50.0000	0.0	N	10.0000	100.0000	50.0000	0.0
3 AKI182	0.0	N	150.0000	50.0000	0.0	N	10.0000	50.0000	30.0000	0.0
4 AKI183	0.0	N	200.0000	50.0000	0.0	N	10.0000	70.0000	30.0000	0.0
5 AKI184	0.0	N	150.0000	70.0000	0.0	N	10.0000	100.0000	100.0000	0.0
6 AKI185	0.0	N	150.0000	70.0000	0.0	N	10.0000	70.0000	150.0000	0.0
7 AKI186	0.0	N	150.0000	100.0000	0.0	N	10.0000	100.0000	150.0000	0.0
8 AKI187	0.0	N	150.0000	150.0000	0.0	N	10.0000	150.0000	150.0000	0.0
9 AKI190	0.0	N	150.0000	70.0000	20.0000	0.0	L	100.0000	30.0000	0.0
10 AKI189	0.0	N	150.0000	100.0000	0.0	N	10.0000	70.0000	70.0000	0.0
1 AKI188	0.0	N	100.0000	70.0000	0.0	N	10.0000	100.0000	50.0000	0.0
2 AKI132	0.0	N	150.0000	150.0000	0.0	N	10.0000	70.0000	30.0000	0.0
3 AKI131	0.0	N	150.0000	100.0000	0.0	L	10.0000	150.0000	30.0000	0.0
4 AKI130	0.0	N	150.0000	30.0000	30.0000	0.0	L	100.0000	30.0000	0.0
5 AKI133	0.0	N	150.0000	100.0000	0.0	N	10.0000	100.0000	30.0000	0.0
6 AKI134	0.0	N	100.0000	100.0000	0.0	N	10.0000	70.0000	10.0000	0.0
7 AKI135	0.0	N	150.0000	70.0000	0.0	N	10.0000	100.0000	30.0000	0.0
8 AKI137	0.0	N	100.0000	150.0000	0.0	L	10.0000	150.0000	30.0000	0.0
9 AKI138	0.0	N	150.0000	100.0000	0.0	N	10.0000	150.0000	30.0000	0.0
10 AKI136	0.0	N	100.0000	150.0000	20.0000	0.0	L	150.0000	50.0000	0.0
1 AKI165	0.0	N	100.0000	15.0000	0.0	N	10.0000	30.0000	20.0000	0.0
2 AKI166	0.0	N	100.0000	30.0000	0.0	N	10.0000	30.0000	70.0000	0.0
3 AKI167	0.0	N	70.0000	30.0000	0.0	N	0.0	50.0000	30.0000	0.0
4 AKI168	0.0	N	50.0000	10.0000	0.0	N	10.0000	15.0000	20.0000	0.0
5 AKI169	0.0	N	30.0000	30.0000	0.0	N	0.0	20.0000	70.0000	0.0
6 AKI170	0.0	N	70.0000	30.0000	0.0	N	10.0000	30.0000	15.0000	0.0
7 AKI171	0.0	N	30.0000	15.0000	0.0	N	10.0000	15.0000	30.0000	0.0
8 AKI172	0.0	N	50.0000	20.0000	0.0	N	10.0000	20.0000	50.0000	0.0
9 AKI163	0.0	N	150.0000	30.0000	0.0	N	10.0000	30.0000	20.0000	0.0
10 AKI164	0.0	N	100.0000	20.0000	0.0	N	10.0000	30.0000	30.0000	0.0

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	Y PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
101 AKI192	0.0 L	0.0 N	0.0 L	30.0000	0.0 N	20.0000	0.0 N	150.0000	0.0200L
2 AKI193	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
3 AKI228	10.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
4 AKI221	10.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	2000.0000	100.0000	0.0200L
5 AKI222	15.0000	200.0000	150.0000	150.0000	0.0 N	15.0000	2000.0000	100.0000	0.0200L
6 AKI677	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	700.0000	100.0000	0.0400
7 AKI678	20.0000	10.0000	300.0000	300.0000	0.0 N	30.0000	3000.0000	150.0000	0.0200
8 AKI679	30.0000	100.0000	300.0000	300.0000	0.0 N	30.0000	3000.0000	70.0000	0.0200L
9 AKI223	10.0000	0.0 N	200.0000	100.0000	0.0 L	15.0000	0.0 N	150.0000	0.0200L
110 AKI224	5.0000	0.0 N	0.0 L	100.0000	0.0 L	15.0000	0.0 N	150.0000	0.0200L
1 AKI227	0.0 L	0.0 L	0.0 L	20.0000	0.0 N	50.0000	200.0000	500.0000	0.0200L
2 AKI226	0.0 L	15.0000	0.0 L	30.0000	0.0 L	30.0000	0.0 L	1000.0000	0.0200L
3 AKI225	0.0 L	0.0 L	0.0 L	30.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
4 AKI173	10.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
5 AKI175	10.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
6 AKI174	10.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
7 AKI178	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
8 AKI179	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
9 AKI176	10.0000	0.0 N	150.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
10 AKI177	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
11 AKI181	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
12 AKI180	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
13 AKI182	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000	200.0000	0.0200L
14 AKI183	20.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
15 AKI184	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
16 AKI185	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200
17 AKI186	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
18 AKI187	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	300.0000	70.0000	0.0200L
19 AKI190	20.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
20 AKI189	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
21 AKI188	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
22 AKI132	15.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
23 AKI131	15.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
24 AKI130	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
25 AKI133	15.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
26 AKI134	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.1000L
27 AKI135	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0400L
28 AKI137	15.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0400L
29 AKI138	15.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
30 AKI136	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
31 AKI165	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
32 AKI166	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
33 AKI167	10.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
34 AKI168	15.0000	0.0 L	100.0000	150.0000	0.0 N	10.0000	0.0 L	50.0000	0.0200L
35 AKI169	10.0000	15.0000	150.0000	100.0000	0.0 N	10.0000	0.0 L	50.0000	0.0200L
36 AKI170	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
37 AKI171	15.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
38 AKI172	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	200.0000	50.0000	0.0200L
39 AKI163	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	150.0000	0.1000L
40 AKI164	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	200.0000	0.1000L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
15 / AKI161	7.0000	1.0000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
AKI162	7.0000	1.0000	0.7000	0.5000	700.0000	0.0 N	0.0 N	50.0000	700.0000	0.0 L
AKI160	10.0000	0.7000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	50.0000	500.0000	0.0 L
AKI159	5.0000	1.0000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
AKI151	5.0000	1.5000	1.0000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	500.0000	0.0 L
AKI152	5.0000	1.0000	0.7000	0.5000	700.0000	0.5000	0.0 N	20.0000	300.0000	0.0 N
AKI149	10.0000	2.0000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
AKI150	10.0000	2.0000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
AKI158	5.0000	1.0000	0.5000	0.5000	1000.0000	0.0 L	0.0 N	50.0000	500.0000	0.0 N
AKI157	7.0000	1.0000	0.5000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	500.0000	0.0 N
AKI153	10.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	500.0000	0.0 L
AKI154	7.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	500.0000	0.0 L
AKI155	5.0000	1.0000	0.7000	0.5000	700.0000	0.0 N	0.0 N	30.0000	300.0000	0.0 N
AKI156	7.0000	0.7000	0.7000	0.5000	500.0000	0.7000	0.0 N	50.0000	300.0000	0.0 N
AKI148	7.0000	1.5000	0.5000	0.5000	1000.0000	0.0 N	0.0 N	50.0000	700.0000	0.0 L
AKI126	7.0000	1.5000	0.5000	0.5000	1000.0000	0.0 N	0.0 N	50.0000	700.0000	0.0 L
AKI127	5.0000	1.5000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	70.0000	500.0000	1.0000
AKI125	3.0000	2.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	30.0000	300.0000	1.5000
AKI128	7.0000	2.0000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	15.0000	300.0000	1.0000
AKI129	7.0000	2.0000	0.7000	0.7000	700.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L
AKI142	3.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	0.0 N	50.0000	300.0000	0.0 L
AKI141	7.0000	1.5000	0.7000	0.7000	1000.0000	1.0000	0.0 L	200.0000	700.0000	0.0 L
AKI140	5.0000	1.5000	0.3000	0.5000	1000.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
AKI139	7.0000	1.5000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	50.0000	700.0000	0.0 L
AKI244	3.0000	1.5000	0.7000	0.3000	700.0000	0.5000	0.0 L	30.0000	700.0000	1.0000
AKI243	3.0000	1.0000	0.3000	0.3000	1000.0000	0.5000	0.0 L	100.0000	300.0000	1.0000
AKI242	1.0000	0.7000	0.7000	0.0700	200.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000
AKI241	5.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0 L	70.0000	300.0000	1.0000
AKI247	1.0000	0.7000	1.0000	0.0700	200.0000	0.0 N	0.0 L	30.0000	500.0000	1.5000
AKI246	1.0000	0.7000	0.7000	0.0700	150.0000	0.0 N	0.0 N	20.0000	300.0000	1.5000
AKI250	5.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0 L	100.0000	700.0000	0.0 L
AKI252	3.0000	1.5000	0.7000	0.3000	300.0000	0.0 N	0.0 N	20.0000	500.0000	0.0 N
AKI251	3.0000	1.5000	1.5000	0.3000	500.0000	0.0 L	200.0000	20.0000	700.0000	1.5000
AKI253	5.0000	1.5000	0.5000	0.5000	1000.0000	0.0 L	0.0 L	30.0000	700.0000	0.0 N
AKI254	3.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	200.0000	30.0000	300.0000	0.0 N
AKI255	5.0000	1.0000	0.5000	0.7000	1000.0000	1.0000	0.0 L	70.0000	700.0000	0.0 L
AKI248	5.0000	1.5000	0.5000	0.7000	1000.0000	0.0 L	0.0 L	50.0000	700.0000	0.0 L
AKI249	10.0000	1.5000	0.3000	0.7000	1500.0000	7.0000	200.0000	200.0000	700.0000	0.0 L
AKI245	3.0000	1.0000	0.7000	0.3000	500.0000	1.5000	0.0 N	70.0000	300.0000	0.0 N
AKI680	10.0000	1.5000	2.0000	0.7000	1000.0000	1.5000	200.0000	70.0000	1000.0000	1.5000
AKI240	3.0000	1.0000	1.0000	0.3000	300.0000	0.7000	0.0 L	10.0000	500.0000	0.0 L
AKI233	10.0000	2.0000	0.5000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	1500.0000	0.0 L
AKI232	5.0000	1.5000	0.3000	0.3000	1500.0000	0.0 L	0.0 N	50.0000	1000.0000	0.0 L
AKI239	5.0000	2.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	20.0000	700.0000	1.0000
AKI238	5.0000	1.5000	0.5000	0.7000	700.0000	0.0 L	500.0000	50.0000	700.0000	1.0000
AKI234	7.0000	0.7000	0.3000	0.5000	700.0000	0.0 L	0.0 N	50.0000	1000.0000	0.0 L
AKI235	7.0000	1.0000	0.1500	0.7000	700.0000	1.0000	0.0 N	50.0000	1500.0000	1.0000
AKI236	5.0000	1.0000	0.3000	0.5000	1000.0000	0.0 L	0.0 N	30.0000	1000.0000	0.0 L
AKI237	5.0000	1.0000	0.1500	0.7000	700.0000	0.5000	0.0 N	30.0000	700.0000	0.0 L
AKI231	5.0000	1.5000	0.2000	0.5000	1500.0000	0.5000	0.0 L	70.0000	1500.0000	1.0000

TABLE 1

SAMPLE	RI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
15 AK1161	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
2 AK1162	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	20.0000	0.0 N
3 AK1160	0.0 N	30.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
4 AK1159	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
5 AK1151	0.0 N	20.0000	100.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
6 AK1152	0.0 N	15.0000	70.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000	30.0000	0.0 N
7 AK1149	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
8 AK1150	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
9 AK1158	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
10 AK1157	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	20.0000	0.0 N
11 AK1153	0.0 N	15.0000	70.0000	50.0000	0.0 N	0.0 L	0.0 L	70.0000	30.0000	0.0 N
12 AK1154	0.0 N	30.0000	100.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
13 AK1155	0.0 N	15.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000	20.0000	0.0 N
14 AK1156	0.0 N	20.0000	100.0000	150.0000	0.0 N	0.0 L	10.0000	30.0000	20.0000	0.0 N
15 AK1148	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
16 AK1126	0.0 N	15.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	70.0000	10.0000	0.0 N
17 AK1127	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
18 AK1125	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	20.0000	0.0 N
19 AK1128	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 N	10.0000	30.0000	20.0000	0.0 N
20 AK1129	0.0 N	20.0000	300.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
21 AK1142	0.0 N	20.0000	150.0000	20.0000	0.0 N	0.0 N	0.0 L	50.0000	30.0000	0.0 N
22 AK1141	0.0 N	30.0000	150.0000	150.0000	30.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
23 AK1140	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
24 AK1139	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
25 AK1244	0.0 N	30.0000	100.0000	70.0000	0.0 N	0.0 L	0.0 L	50.0000	70.0000	0.0 N
26 AK1243	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	50.0000	0.0 N
27 AK1242	0.0 N	0.0 L	70.0000	5.0000	0.0 L	5.0000	0.0 L	10.0000	30.0000	0.0 N
28 AK1241	0.0 N	50.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	100.0000	200.0000	0.0 N
29 AK1247	0.0 N	0.0 L	30.0000	5.0000	0.0 N	0.0 L	0.0 L	10.0000	30.0000	0.0 N
30 AK1246	0.0 N	0.0 L	30.0000	5.0000	0.0 N	0.0 L	0.0 L	15.0000	30.0000	0.0 N
31 AK1250	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	0.0 L	70.0000	20.0000	0.0 N
32 AK1252	0.0 N	15.0000	150.0000	20.0000	0.0 N	0.0 L	0.0 L	50.0000	0.0 L	0.0 N
33 AK1251	0.0 N	10.0000	150.0000	20.0000	0.0 L	0.0 N	10.0000	30.0000	10.0000	0.0 N
34 AK1253	0.0 N	20.0000	200.0000	100.0000	0.0 L	0.0 N	10.0000	70.0000	30.0000	0.0 N
35 AK1254	0.0 N	5.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	10.0000	0.0 N
36 AK1255	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	15.0000	0.0 N
37 AK1248	0.0 N	30.0000	200.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N
38 AK1249	0.0 N	70.0000	200.0000	150.0000	0.0 L	0.0 L	0.0 L	150.0000	30.0000	0.0 N
39 AK1245	0.0 N	15.0000	100.0000	70.0000	0.0 N	0.0 L	0.0 L	50.0000	70.0000	0.0 N
40 AK1680	0.0 N	30.0000	150.0000	30.0000	20.0000	0.0 L	10.0000	50.0000	70.0000	0.0 N
41 AK1240	0.0 N	10.0000	100.0000	15.0000	0.0 N	0.0 L	0.0 L	15.0000	30.0000	0.0 N
42 AK1233	0.0 N	30.0000	300.0000	70.0000	50.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
43 AK1232	0.0 N	30.0000	200.0000	50.0000	50.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
44 AK1239	0.0 N	30.0000	150.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N
45 AK1238	0.0 N	20.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
46 AK1234	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
47 AK1235	0.0 N	30.0000	200.0000	70.0000	0.0 N	0.0 L	0.0 L	70.0000	30.0000	0.0 N
48 AK1236	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	20.0000	0.0 N
49 AK1237	0.0 N	20.0000	150.0000	50.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
50 AK1231	0.0 N	30.0000	150.0000	70.0000	150.0000	0.0 L	10.0000	150.0000	50.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM		
15' AKI161	15.0000	0.0	N	150.0000	200.0000	0.0	N	15.0000	200.0000	100.0000	0.0200L
3 AKI162	15.0000	0.0	N	100.0000	200.0000	0.0	N	15.0000	0.0	L	0.0200L
3 AKI160	15.0000	0.0	N	150.0000	150.0000	0.0	N	15.0000	200.0000	100.0000	0.0200L
4 AKI159	15.0000	0.0	N	150.0000	150.0000	0.0	N	15.0000	200.0000	100.0000	0.0200L
5 AKI151	15.0000	0.0	N	150.0000	300.0000	0.0	N	15.0000	200.0000	70.0000	0.0200L
6 AKI152	10.0000	0.0	N	150.0000	150.0000	0.0	N	10.0000	0.0	L	0.0200L
7 AKI149	20.0000	0.0	N	200.0000	300.0000	0.0	N	20.0000	200.0000	70.0000	0.0200L
8 AKI150	15.0000	0.0	N	200.0000	200.0000	0.0	N	20.0000	200.0000	100.0000	0.0200L
9 AKI158	15.0000	0.0	N	100.0000	150.0000	0.0	N	10.0000	0.0	L	0.0200L
16 AKI157	15.0000	0.0	N	100.0000	300.0000	0.0	N	15.0000	0.0	L	0.0200L
1 AKI153	15.0000	0.0	N	150.0000	150.0000	0.0	N	15.0000	0.0	L	0.0200L
3 AKI154	15.0000	0.0	N	150.0000	200.0000	0.0	N	10.0000	0.0	L	0.0200L
3 AKI155	15.0000	0.0	L	150.0000	150.0000	0.0	N	10.0000	0.0	N	0.0400L
4 AKI156	15.0000	0.0	N	100.0000	150.0000	0.0	N	10.0000	0.0	N	0.0600
5 AKI148	15.0000	0.0	N	100.0000	150.0000	0.0	N	15.0000	0.0	L	0.0200L
6 AKI126	10.0000	0.0	N	0.0	150.0000	0.0	N	10.0000	0.0	L	0.0200L
7 AKI127	15.0000	0.0	N	100.0000	200.0000	0.0	N	15.0000	0.0	L	0.0200L
8 AKI125	10.0000	0.0	N	300.0000	100.0000	0.0	N	10.0000	0.0	L	0.0200L
9 AKI128	15.0000	0.0	N	200.0000	150.0000	0.0	N	15.0000	0.0	L	0.0200L
17 AKI129	15.0000	0.0	N	150.0000	100.0000	0.0	N	15.0000	0.0	L	0.0200L
1 AKI142	10.0000	0.0	N	150.0000	150.0000	0.0	N	10.0000	0.0	N	0.0200L
3 AKI141	15.0000	0.0	N	100.0000	200.0000	0.0	N	20.0000	0.0	L	0.0200L
3 AKI140	15.0000	0.0	N	150.0000	200.0000	0.0	N	15.0000	200.0000	70.0000	0.0400L
4 AKI139	15.0000	0.0	N	100.0000	200.0000	0.0	N	15.0000	200.0000	70.0000	0.0200L
5 AKI244	10.0000	0.0	L	150.0000	70.0000	0.0	L	10.0000	0.0	L	0.0200L
6 AKI243	10.0000	0.0	L	100.0000	100.0000	50.0000	L	10.0000	0.0	L	0.0200L
7 AKI242	0.0	0.0	L	150.0000	20.0000	0.0	N	10.0000	0.0	N	0.0200L
8 AKI241	15.0000	15.0000	L	200.0000	150.0000	0.0	N	15.0000	200.0000	100.0000	0.0200L
9 AKI247	0.0	0.0	L	150.0000	30.0000	0.0	N	10.0000	0.0	L	0.0200L
18 AKI246	0.0	0.0	L	150.0000	30.0000	0.0	L	10.0000	0.0	N	0.0200L
1 AKI250	15.0000	0.0	N	0.0	150.0000	0.0	N	15.0000	0.0	L	0.0200L
1 AKI252	15.0000	0.0	N	0.0	100.0000	0.0	N	10.0000	0.0	N	0.0200L
3 AKI251	15.0000	0.0	N	200.0000	100.0000	0.0	N	15.0000	0.0	N	0.0200L
4 AKI253	15.0000	0.0	N	0.0	150.0000	0.0	N	10.0000	0.0	L	0.1000
5 AKI254	10.0000	0.0	N	0.0	100.0000	0.0	N	10.0000	0.0	L	0.2000
6 AKI255	15.0000	0.0	N	100.0000	150.0000	0.0	N	15.0000	0.0	L	0.1000
7 AKI248	15.0000	0.0	N	0.0	200.0000	0.0	N	15.0000	0.0	L	0.0400
8 AKI249	15.0000	0.0	L	0.0	200.0000	0.0	N	15.0000	0.0	L	0.0600
9 AKI245	7.0000	10.0000	L	0.0	70.0000	0.0	N	10.0000	300.0000	100.0000	0.0400
19 AKI1680	30.0000	0.0	L	300.0000	200.0000	0.0	N	20.0000	0.0	L	0.0200L
1 AKI240	15.0000	0.0	N	150.0000	70.0000	0.0	N	10.0000	0.0	N	0.0200L
2 AKI233	15.0000	0.0	N	100.0000	300.0000	0.0	N	15.0000	0.0	L	0.0200L
3 AKI232	15.0000	0.0	N	100.0000	150.0000	0.0	N	15.0000	200.0000	200.0000	0.0200L
4 AKI239	15.0000	0.0	N	300.0000	150.0000	0.0	N	15.0000	0.0	L	0.0200
5 AKI238	15.0000	0.0	L	150.0000	150.0000	0.0	N	15.0000	0.0	L	0.1000
6 AKI234	15.0000	0.0	N	150.0000	200.0000	0.0	N	15.0000	0.0	L	0.0200L
7 AKI235	15.0000	0.0	N	100.0000	300.0000	0.0	N	20.0000	200.0000	150.0000	0.0200L
8 AKI236	15.0000	0.0	N	100.0000	200.0000	0.0	N	15.0000	0.0	L	0.0200L
9 AKI237	15.0000	0.0	N	100.0000	200.0000	0.0	N	15.0000	0.0	L	0.0200L
20 AKI231	15.0000	0.0	N	100.0000	200.0000	0.0	N	20.0000	300.0000	100.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
20/ AKI229	3.0000	0.7000	0.1500	0.5000	700.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 N
2AKI262	5.0000	1.5000	2.0000	0.3000	1500.0000	0.0 N	0.0 N	50.0000	700.0000	0.0 L
3AKI261	5.0000	0.7000	0.1500	0.5000	1000.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
4AKI259	5.0000	1.0000	0.3000	0.5000	700.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
5AKI256	3.0000	0.7000	0.3000	0.3000	700.0000	0.0 N	0.0 N	15.0000	500.0000	0.0 N
6AKI257	10.0000	1.0000	0.3000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
7AKI260	10.0000	1.0000	0.5000	0.5000	1500.0000	0.0 N	0.0 N	30.0000	1000.0000	0.0 L
8AKI258	10.0000	1.0000	0.3000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
9AKI263	7.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
21/0AKI264	5.0000	0.7000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	70.0000	700.0000	0.0 L
1AKA428	15.0000	1.0000	0.7000	1.0000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
2AKA429	7.0000	0.7000	0.1500	0.7000	1500.0000	0.0 L	0.0 N	50.0000	1000.0000	0.0 L
3AKA431	7.0000	3.0000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	20.0000	1000.0000	0.0 L
4AKA430	7.0000	3.0000	1.5000	0.5000	700.0000	0.0 N	0.0 N	30.0000	1000.0000	0.0 L
5AKA433	15.0000	7.0000	1.5000	0.5000	1000.0000	0.0 L	0.0 L	15.0000	300.0000	0.0 N
6AKA923	5.0000	3.0000	1.0000	0.7000	1000.0000	0.0 N	0.0 L	20.0000	300.0000	1.0000
7AKI431	15.0000	5.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 L	100.0000	700.0000	1.0000
8AKA432	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	30.0000	500.0000	0.0 N
9AKA922	3.0000	1.0000	0.7000	0.3000	300.0000	0.0 L	0.0 L	30.0000	500.0000	0.0 N
22/0AKI432	10.0000	2.0000	1.5000	0.7000	1000.0000	0.0 L	0.0 L	150.0000	700.0000	1.5000
1AKI433	10.0000	2.0000	1.0000	0.7000	500.0000	0.0 L	0.0 L	70.0000	700.0000	1.5000
2AKI453	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	200.0000	700.0000	1.5000
3AKI452	10.0000	1.5000	1.5000	0.7000	700.0000	0.0 N	0.0 L	300.0000	700.0000	1.5000
4AKI451	15.0000	1.5000	1.5000	0.7000	700.0000	0.0 L	0.0 L	300.0000	700.0000	1.5000
5AKI450	7.0000	2.0000	1.0000	0.5000	1000.0000	0.0 N	0.0 L	150.0000	500.0000	1.5000
6AKA424	15.0000	1.5000	0.5000	1.0000	5000.0000	15.0000	500.0000	100.0000	1500.0000	1.0000
7AKA423	7.0000	1.5000	0.1500	0.5000	1500.0000	5.0000	0.0 N	30.0000	700.0000	0.0 L
8AKA422	10.0000	2.0000	0.7000	0.7000	2000.0000	0.7000	0.0 N	50.0000	1000.0000	1.0000
9AKA434	15.0000	2.0000	0.7000	0.7000	1500.0000	0.5000	0.0 N	70.0000	700.0000	1.0000
23/0AKA435	3.0000	1.0000	1.5000	0.3000	500.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 L
1AKA436	10.0000	1.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	100.0000	700.0000	1.0000
2AKA437	15.0000	1.5000	2.0000	1.0000	1500.0000	0.0 N	0.0 N	20.0000	700.0000	0.0 L
3AKA421	10.0000	1.5000	0.7000	0.7000	1500.0000	0.7000	0.0 N	30.0000	1500.0000	1.0000
4AKA420	10.0000	1.5000	0.7000	0.7000	1500.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
5AKA425	15.0000	2.0000	3.0000	1.0000	1500.0000	0.0 L	0.0 N	15.0000	700.0000	0.0 N
6AKA419	7.0000	1.5000	2.0000	0.7000	1500.0000	0.7000	0.0 N	10.0000	700.0000	0.0 L
7AKA426	15.0000	1.0000	0.3000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	0.0 L
8AKA427	10.0000	1.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	1500.0000	0.0 L
9AKA418	5.0000	1.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	700.0000	0.0 L
24/0AKA417	5.0000	1.0000	0.3000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	1000.0000	0.0 L
1AKA414	10.0000	1.0000	0.5000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	1000.0000	1.0000
2AKA416	5.0000	1.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	1000.0000	1.0000
3AKA415	10.0000	1.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
4AKA412	7.0000	1.0000	0.2000	0.5000	700.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
5AKA092	5.0000	1.0000	0.5000	0.7000	1500.0000	0.5000	0.0 N	50.0000	1000.0000	0.0 L
6AKA093	7.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
7AKA363	5.0000	0.7000	0.7000	0.5000	1500.0000	0.0 L	0.0 L	50.0000	700.0000	0.0 L
8AKA095	7.0000	1.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1000.0000	1.0000
9AKA362	5.0000	0.7000	0.5000	0.5000	1000.0000	0.5000	0.0 N	50.0000	700.0000	0.0 L
25/0AKA094	7.0000	1.0000	0.5000	0.7000	1500.0000	1.5000	0.0 N	70.0000	1000.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
30 AK1229	0.0 N	20.0000	150.0000	30.0000	30.0000	0.0 L	0.0 L	70.0000	20.0000	0.0 N
AK1262	0.0 N	15.0000	50.0000	50.0000	0.0 N	0.0 L	0.0 L	30.0000	15.0000	0.0 N
AK1261	0.0 N	20.0000	150.0000	50.0000	30.0000	0.0 N	10.0000	70.0000	15.0000	0.0 N
AK1259	0.0 N	20.0000	100.0000	70.0000	70.0000	0.0 N	10.0000	70.0000	20.0000	0.0 N
AK1256	0.0 N	15.0000	100.0000	50.0000	30.0000	0.0 N	0.0 L	70.0000	10.0000	0.0 N
AK1257	0.0 N	20.0000	200.0000	70.0000	50.0000	0.0 N	10.0000	100.0000	15.0000	0.0 N
AK1260	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 N	10.0000	100.0000	20.0000	0.0 N
AK1258	0.0 N	20.0000	150.0000	70.0000	30.0000	0.0 N	10.0000	100.0000	30.0000	0.0 N
AK1263	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	70.0000	15.0000	0.0 N
AK1264	0.0 N	15.0000	150.0000	50.0000	30.0000	0.0 N	10.0000	100.0000	0.0 L	0.0 N
AK428	0.0 N	30.0000	150.0000	70.0000	70.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
AK429	0.0 N	20.0000	150.0000	70.0000	30.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
AK431	0.0 N	20.0000	300.0000	20.0000	70.0000	0.0 L	0.0 L	70.0000	20.0000	0.0 N
AK430	0.0 N	20.0000	300.0000	30.0000	0.0 L	0.0 L	0.0 L	70.0000	0.0 L	0.0 N
AK433	0.0 N	70.0000	700.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000	0.0 L	0.0 N
AK923	0.0 N	30.0000	300.0000	50.0000	0.0 L	5.0000	10.0000	150.0000	15.0000	0.0 N
AK1431	0.0 N	70.0000	700.0000	100.0000	0.0 L	0.0 L	10.0000	200.0000	15.0000	0.0 N
AK432	0.0 N	20.0000	300.0000	30.0000	0.0 L	0.0 L	10.0000	150.0000	0.0 L	0.0 N
AK922	0.0 N	20.0000	200.0000	30.0000	20.0000	0.0 L	10.0000	100.0000	15.0000	0.0 N
AK1432	0.0 N	50.0000	300.0000	50.0000	0.0 L	0.0 L	10.0000	150.0000	15.0000	0.0 N
AK1433	0.0 N	50.0000	300.0000	50.0000	0.0 L	0.0 L	10.0000	150.0000	15.0000	0.0 N
AK1453	0.0 N	50.0000	300.0000	30.0000	20.0000	0.0 L	10.0000	150.0000	15.0000	0.0 N
AK1452	0.0 N	50.0000	300.0000	30.0000	0.0 L	0.0 L	10.0000	150.0000	15.0000	0.0 N
AK1451	0.0 N	50.0000	300.0000	10.0000	0.0 L	0.0 L	10.0000	150.0000	10.0000	0.0 N
AK1450	0.0 N	30.0000	200.0000	5.0000	0.0 L	0.0 L	10.0000	50.0000	10.0000	0.0 N
AK424	0.0 N	70.0000	150.0000	150.0000	30.0000	5.0000	10.0000	150.0000	50.0000	0.0 N
AK423	0.0 N	50.0000	200.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	30.0000	0.0 N
AK422	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000	30.0000	0.0 N
AK434	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
AK435	0.0 N	0.0 L	30.0000	0.0 L	0.0 L	0.0 N	0.0 L	5.0000	10.0000	0.0 N
AK436	0.0 N	30.0000	70.0000	50.0000	50.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
AK437	0.0 N	20.0000	150.0000	50.0000	20.0000	5.0000	10.0000	30.0000	15.0000	0.0 N
AK421	0.0 N	30.0000	200.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	15.0000	0.0 N
AK420	0.0 N	20.0000	100.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
AK425	0.0 N	30.0000	70.0000	0.0 L	0.0 L	0.0 L	10.0000	30.0000	30.0000	0.0 N
AK419	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	30.0000	0.0 N
AK426	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	15.0000	0.0 N
AK427	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
AK418	0.0 N	10.0000	30.0000	15.0000	0.0 N	0.0 L	10.0000	15.0000	10.0000	0.0 N
AK417	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	15.0000	0.0 N
AK414	0.0 N	30.0000	150.0000	50.0000	30.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
AK416	0.0 N	15.0000	100.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
AK415	0.0 N	30.0000	100.0000	70.0000	30.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
AK412	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
AKA092	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	50.0000	0.0 N
AKA093	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	70.0000	0.0 N
AKA363	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
AKA095	0.0 N	15.0000	100.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
AKA362	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	0.0 L	70.0000	70.0000	0.0 N
AKA094	0.0 N	20.0000	200.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
20/ AK1229	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
2 AK1262	15.0000	0.0 N	200.0000	100.0000	0.0 N	10.0000	0.0 L	100.0000	0.1000L
3 AK1261	10.0000	0.0 N	100.0000	100.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
4 AK1259	10.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
5 AK1256	10.0000	0.0 N	0.0 L	70.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
6 AK1257	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	200.0000	200.0000	0.0200L
7 AK1260	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 L	300.0000	0.0200L
8 AK1258	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
9 AK1263	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 L	150.0000	0.0200L
2 / 10 AK1264	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
1 AK4428	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	300.0000	1.0000
2 AK4429	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
3 AK4431	15.0000	0.0 N	200.0000	150.0000	0.0 L	15.0000	0.0 N	150.0000	0.0200L
4 AK4430	15.0000	0.0 N	200.0000	150.0000	50.0000	15.0000	0.0 N	200.0000	0.1000
5 AK4433	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.7000
6 AK4923	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.4000
7 AK1431	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
8 AK4432	30.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	300.0000	0.2000
9 AK4922	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000	0.1000
10 AK1432	20.0000	0.0 N	200.0000	200.0000	50.0000	20.0000	200.0000	100.0000	0.1000
1 AK1433	15.0000	0.0 N	150.0000	200.0000	0.0 L	15.0000	0.0 L	100.0000	0.1000
2 AK1453	15.0000	0.0 N	200.0000	200.0000	0.0 L	15.0000	0.0 N	200.0000	0.0200L
3 AK1452	20.0000	0.0 N	300.0000	200.0000	0.0 L	15.0000	0.0 L	150.0000	0.0200L
4 AK1451	20.0000	0.0 N	300.0000	200.0000	50.0000	15.0000	0.0 L	200.0000	0.0200L
5 AK1450	15.0000	0.0 N	200.0000	150.0000	0.0 L	15.0000	0.0 N	70.0000	0.0400
6 AK4424	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	500.0000	150.0000	0.0200L
7 AK4423	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
8 AK4422	20.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
9 AK4434	7.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
23 AK4435	15.0000	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 N	100.0000	0.0200L
AK4436	20.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 L	500.0000	0.0200L
AK4437	20.0000	0.0 N	700.0000	700.0000	0.0 N	30.0000	0.0 L	150.0000	0.1000
AK4421	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	200.0000	200.0000	0.0200L
AK4425	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 N	300.0000	0.0200L
AK4419	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
AK4426	20.0000	0.0 N	100.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0400
AK4427	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AK4418	10.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	50.0000	0.1000
AK4417	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.1000
AK4414	15.0000	0.0 N	200.0000	300.0000	0.0 N	10.0000	0.0 L	150.0000	0.0200L
AK4416	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AK4415	15.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
AK4412	15.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AK4092	10.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
AK4093	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
AK4363	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AK4095	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.2000
AK4362	10.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AK4094	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	200.0000	200.0000	0.0200

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
25 AK360	5.0000	0.7000	0.5000	0.5000	1000.0000	0.7000	0.0 N	50.0000	700.0000	1.0000
AK359	5.0000	0.7000	0.5000	0.7000	1000.0000	1.0000	0.0 N	50.0000	700.0000	1.0000
AK358	5.0000	0.7000	0.2000	0.5000	700.0000	0.0 L	0.0 N	30.0000	500.0000	0.0 L
AK356	5.0000	0.7000	0.5000	0.7000	700.0000	0.5000	0.0 N	50.0000	700.0000	1.0000
AK357	7.0000	1.0000	0.5000	0.7000	1000.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
AK096	10.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	1500.0000	0.0 L
AK097	7.0000	1.0000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	15.0000	700.0000	0.0 L
AK100	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
AK098	5.0000	1.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 L
AK1271	15.0000	1.0000	0.5000	0.5000	700.0000	1.5000	7000.0000	2000.0000	700.0000	1.5000
AK1265	7.0000	1.5000	0.3000	0.7000	1000.0000	1.5000	0.0 L	150.0000	1500.0000	1.5000
AK1266	7.0000	1.5000	0.5000	0.7000	1000.0000	0.0 L	0.0 L	200.0000	1500.0000	1.5000
AK1269	15.0000	1.0000	0.5000	0.7000	700.0000	0.7000	3000.0000	2000.0000	1500.0000	1.5000
AK1270	10.0000	1.5000	0.1500	0.7000	300.0000	0.7000	3000.0000	2000.0000	700.0000	1.5000
AK918	5.0000	0.7000	0.2000	0.3000	700.0000	0.0 L	200.0000	150.0000	700.0000	0.0 L
AK919	10.0000	1.0000	0.3000	0.7000	1000.0000	0.5000	500.0000	300.0000	700.0000	1.5000
AK920	15.0000	1.0000	0.1500	0.7000	1000.0000	0.0 L	700.0000	1500.0000	1500.0000	1.5000
AK921	7.0000	0.7000	0.1500	0.5000	700.0000	1.0000	700.0000	500.0000	700.0000	1.0000
AK1267	10.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 L	70.0000	1500.0000	1.5000
AK1268	10.0000	1.0000	0.7000	0.7000	700.0000	0.0 L	0.0 L	50.0000	1500.0000	1.5000
AK407	7.0000	0.7000	0.7000	0.5000	1500.0000	1.5000	0.0 N	50.0000	700.0000	1.5000
AK406	10.0000	1.0000	0.7000	0.7000	1500.0000	2.0000	0.0 N	50.0000	1000.0000	2.0000
AK408	10.0000	1.5000	0.5000	1.0000	1500.0000	1.5000	0.0 N	50.0000	1500.0000	1.5000
AK405	10.0000	1.5000	1.5000	0.7000	1500.0000	1.5000	0.0 N	30.0000	700.0000	1.0000
AK409	7.0000	1.0000	0.2000	0.7000	1500.0000	1.0000	0.0 N	30.0000	1000.0000	1.5000
AK410	7.0000	1.5000	1.0000	0.7000	1500.0000	0.5000	0.0 N	100.0000	1000.0000	1.5000
AK404	15.0000	1.5000	1.0000	0.7000	1500.0000	0.5000	0.0 N	30.0000	1000.0000	1.0000
AK413	5.0000	1.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
AK411	5.0000	1.0000	0.1500	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
AK403	5.0000	1.0000	0.3000	0.5000	1500.0000	0.7000	0.0 N	30.0000	700.0000	1.5000
AK402	10.0000	1.5000	0.7000	1.0000	2000.0000	0.7000	0.0 N	50.0000	1500.0000	1.5000
AK091	10.0000	1.0000	0.3000	0.7000	700.0000	0.0 L	0.0 N	700.0000	700.0000	0.0 L
AK090	7.0000	1.0000	0.2000	0.7000	1000.0000	0.7000	0.0 N	50.0000	300.0000	0.0 L
AK089	5.0000	0.7000	0.1500	0.3000	500.0000	0.0 L	0.0 N	20.0000	1500.0000	0.0 N
AK519	7.0000	0.7000	0.2000	0.5000	500.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 L
AK088	10.0000	1.0000	0.3000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	1.5000
AK518	3.0000	0.7000	0.2000	0.3000	700.0000	0.5000	0.0 N	30.0000	700.0000	1.5000
AK516	3.0000	0.7000	0.3000	0.3000	700.0000	0.5000	0.0 N	30.0000	700.0000	1.5000
AK087	7.0000	0.7000	0.3000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AK515	3.0000	0.7000	0.2000	0.3000	700.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
AK086	7.0000	0.7000	0.3000	0.5000	700.0000	0.0 L	0.0 N	30.0000	1000.0000	0.0 N
AK514	3.0000	0.7000	0.1500	0.5000	500.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
AK513	3.0000	0.7000	0.1500	0.5000	500.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
AK512	3.0000	0.7000	0.1500	0.5000	500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
AK084	5.0000	0.7000	0.1500	0.7000	700.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
AK085	7.0000	0.7000	0.2000	0.7000	700.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AK511	3.0000	0.7000	0.5000	0.5000	700.0000	0.7000	0.0 N	30.0000	700.0000	1.0000
AK509	3.0000	0.7000	0.3000	0.7000	500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
AK508	3.0000	1.0000	0.2000	0.5000	700.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
AK507	3.0000	0.7000	0.1500	0.3000	500.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
25/ AKA360	0.0 N	15.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	70.0000	0.0 N
1 AKA359	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
3 AKA358	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	0.0 L	70.0000	30.0000	0.0 N
4 AKA356	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	50.0000	0.0 N
5 AKA357	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
6 AKA096	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000	20.0000	0.0 N
7 AKA097	0.0 N	15.0000	100.0000	30.0000	0.0 N	0.0 N	0.0 L	30.0000	15.0000	0.0 N
8 AKA100	0.0 N	10.0000	100.0000	30.0000	0.0 L	0.0 N	10.0000	30.0000	20.0000	0.0 N
9 AKA098	0.0 N	15.0000	100.0000	50.0000	0.0 L	0.0 L	10.0000	50.0000	20.0000	0.0 N
26/ AKA1271	30.0000	20.0000	150.0000	700.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
1 AKA1265	0.0 N	20.0000	150.0000	70.0000	20.0000	0.0 N	10.0000	70.0000	50.0000	0.0 N
2 AKA1266	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	100.0000	15.0000	0.0 N
3 AKA1269	0.0 L	30.0000	150.0000	200.0000	0.0 L	0.0 N	10.0000	100.0000	15.0000	0.0 N
4 AKA1270	30.0000	5.0000	150.0000	150.0000	0.0 L	0.0 N	10.0000	30.0000	10.0000	0.0 N
5 AKA918	0.0 N	15.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	0.0 L	0.0 N
6 AKA919	0.0 N	30.0000	200.0000	100.0000	30.0000	5.0000	15.0000	150.0000	15.0000	0.0 N
7 AKA920	50.0000	50.0000	150.0000	150.0000	0.0 L	0.0 L	15.0000	150.0000	0.0 L	0.0 N
8 AKA921	15.0000	20.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
27/ AKA1267	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	100.0000	30.0000	0.0 N
1 AKA407	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	100.0000	20.0000	0.0 N
2 AKA406	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	100.0000	30.0000	0.0 N
3 AKA408	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
4 AKA405	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	50.0000	0.0 N
5 AKA409	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
6 AKA410	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
7 AKA404	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	50.0000	0.0 N
8 AKA413	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	50.0000	10.0000	0.0 N
9 AKA411	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
28/ AKA403	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
1 AKA402	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
2 AKA091	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	30.0000	0.0 N
3 AKA090	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
4 AKA089	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 N	0.0 L	70.0000	15.0000	0.0 N
5 AKA519	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
6 AKA088	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	100.0000	20.0000	0.0 N
7 AKA518	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	15.0000	70.0000	15.0000	0.0 N
8 AKA516	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	70.0000	30.0000	0.0 N
9 AKA087	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
29/ AKA515	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	15.0000	70.0000	150.0000	0.0 N
1 AKA086	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	0.0 L	50.0000	30.0000	0.0 N
4 AKA514	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	15.0000	70.0000	50.0000	0.0 N
5 AKA513	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	70.0000	30.0000	0.0 N
6 AKA512	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	70.0000	20.0000	0.0 N
7 AKA084	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	20.0000	0.0 N
8 AKA085	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	100.0000	0.0 N
9 AKA511	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	70.0000	30.0000	0.0 N
8 AKA509	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	50.0000	30.0000	0.0 N
9 AKA508	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	15.0000	70.0000	50.0000	0.0 N
30/ AKA507	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	50.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
35 /AKA360	15.0000	0.0 L	100.0000	200.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
1AKA359	15.0000	0.0 N	100.0000	200.0000	0.0	15.0000	200.0000	150.0000	0.0200L
3AKA358	10.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
4AKA356	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
5AKA357	15.0000	0.0 N	150.0000	200.0000	0.0	15.0000	300.0000	100.0000	0.0200L
6AKA096	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
7AKA097	10.0000	0.0 N	200.0000	150.0000	0.0	10.0000	0.0 L	150.0000	0.0200L
8AKA100	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
9AKA098	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	100.0000	0.0200L
10AK1271	15.0000	0.0 L	150.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200
11AK1265	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
12AK1266	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
13AK1269	15.0000	0.0 L	150.0000	200.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
14AK1270	15.0000	0.0 L	100.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
15AKA918	15.0000	0.0 N	0.0 L	150.0000	0.0	15.0000	0.0 L	70.0000	0.0200L
16AKA919	20.0000	0.0 L	150.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
17AKA920	30.0000	10.0000	100.0000	300.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
18AKA921	15.0000	10.0000	100.0000	200.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
19AK1267	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	300.0000	150.0000	0.0200L
20AK1268	15.0000	0.0 N	150.0000	150.0000	0.0	20.0000	0.0 L	300.0000	0.0200L
21AKA407	15.0000	0.0 L	150.0000	200.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
22AKA406	15.0000	30.0000	150.0000	200.0000	0.0 N	20.0000	500.0000	100.0000	0.0200L
23AKA408	15.0000	0.0 L	150.0000	300.0000	0.0 N	20.0000	700.0000	150.0000	0.0200L
24AKA405	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
25AKA409	15.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
26AKA410	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
27AKA404	15.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
28AKA413	15.0000	0.0 N	200.0000	150.0000	0.0	15.0000	0.0 L	200.0000	0.0200L
29AKA411	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
30AKA403	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
31AKA402	20.0000	0.0 N	100.0000	200.0000	0.0	15.0000	200.0000	70.0000	0.0200L
32AKA091	15.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
33AKA090	15.0000	0.0 N	0.0 L	200.0000	0.0	10.0000	0.0 L	200.0000	0.0200L
34AKA089	10.0000	0.0 N	0.0 N	150.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
35AKA519	15.0000	0.0 N	100.0000	200.0000	0.0	15.0000	0.0 L	100.0000	0.0200L
36AKA088	20.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	200.0000	200.0000	0.0200L
37AKA518	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
38AKA516	15.0000	0.0 N	100.0000	150.0000	0.0	10.0000	300.0000	100.0000	0.0200L
39AKA087	15.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 L	150.0000	0.0200L
40AKA515	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
41AKA086	15.0000	0.0 N	0.0 L	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
42AKA514	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
43AKA513	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
44AKA512	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
45AKA084	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
46AKA085	15.0000	0.0 N	100.0000	150.0000	0.0	10.0000	0.0 L	200.0000	0.0200
47AKA511	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
48AKA509	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
49AKA508	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
50AKA507	15.0000	0.0 N	100.0000	150.0000	0.0	15.0000	0.0 L	100.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
307AKA504	5.0000	0.7000	0.7000	0.7000	700.0000	0.5000	0.0 L	30.0000	700.0000	0.0 L
2AKA505	5.0000	0.7000	0.7000	0.7000	700.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
3AKA503	3.0000	0.7000	0.1500	0.3000	700.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
4AKA501	5.0000	0.7000	0.3000	0.7000	700.0000	0.0 L	0.0 N	50.0000	700.0000	1.5000
5AKA083	3.0000	0.7000	0.2000	0.5000	500.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 N
6AKA502	3.0000	0.7000	0.1500	0.3000	700.0000	0.0 L	0.0 N	30.0000	500.0000	0.0 L
7AKA082	7.0000	1.0000	0.2000	0.5000	700.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
8AK1053	5.0000	1.5000	0.7000	0.5000	1000.0000	0.5000	0.0 N	20.0000	700.0000	0.0 L
9AK1052	15.0000	1.5000	0.5000	0.5000	1500.0000	0.0 L	0.0 N	50.0000	1000.0000	1.0000
310AK1459	10.0000	1.5000	2.0000	0.5000	2000.0000	1.5000	0.0 N	70.0000	700.0000	3.0000
1AK1054	3.0000	1.0000	0.5000	0.3000	700.0000	0.5000	0.0 N	10.0000	500.0000	0.0 N
2AK1460	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	10.0000	700.0000	1.5000
3AK1055	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	500.0000	1.0000
4AK1056	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 L	0.0 N	10.0000	700.0000	0.0 L
5AK1057	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 N	10.0000	500.0000	1.0000
6AK1058	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 L
7AK1061	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
8AK1059	5.0000	1.0000	1.5000	0.5000	1000.0000	1.5000	0.0 L	30.0000	300.0000	0.0 L
9AK1060	7.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	0.0 L
320AK1062	5.0000	1.0000	0.7000	0.3000	1500.0000	1.0000	0.0 N	30.0000	700.0000	1.0000
1AK1063	7.0000	0.7000	0.7000	0.3000	700.0000	0.7000	0.0 N	10.0000	300.0000	0.0 L
2AK1064	5.0000	0.7000	0.7000	0.2000	700.0000	1.5000	0.0 N	30.0000	300.0000	1.0000
3AK1065	3.0000	0.7000	1.0000	0.3000	1000.0000	1.0000	0.0 L	15.0000	300.0000	1.0000
4AK1066	5.0000	1.0000	1.0000	0.3000	1000.0000	0.7000	0.0 N	10.0000	500.0000	1.0000
5AK1069	7.0000	1.5000	1.5000	0.5000	1000.0000	0.7000	0.0 L	70.0000	500.0000	0.0 L
6AK1071	3.0000	0.7000	1.0000	0.3000	300.0000	0.7000	0.0 N	30.0000	500.0000	1.0000
7AK1072	5.0000	1.0000	1.5000	0.3000	1000.0000	1.0000	0.0 L	20.0000	500.0000	1.0000
8AK1070	7.0000	1.5000	1.5000	0.5000	700.0000	1.5000	200.0000	70.0000	300.0000	0.0 L
9AK1068	7.0000	1.5000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	100.0000	500.0000	0.0 L
330AK1676	10.0000	1.5000	1.5000	0.5000	1000.0000	2.0000	300.0000	150.0000	300.0000	1.0000
1AK1067	7.0000	1.5000	1.5000	0.3000	1500.0000	1.5000	200.0000	70.0000	300.0000	0.0 L
2AK1675	10.0000	1.5000	2.0000	0.5000	1000.0000	1.0000	200.0000	100.0000	500.0000	1.0000
3AK1674	15.0000	1.5000	1.0000	0.5000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.0000
4AK1673	15.0000	3.0000	3.0000	0.7000	1500.0000	1.5000	0.0 L	150.0000	700.0000	1.5000
5AK1124	5.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	0.0 N	20.0000	300.0000	0.0 N
6AK1123	7.0000	1.5000	0.7000	0.3000	1000.0000	0.7000	0.0 N	50.0000	300.0000	0.0 N
7AK1122	7.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 N
8AK1121	7.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	15.0000	300.0000	0.0 N
9AK1120	7.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	50.0000	300.0000	0.0 N
340AK1119	10.0000	1.5000	1.5000	0.5000	2000.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
1AK1118	7.0000	1.0000	0.3000	0.7000	700.0000	0.0 N	0.0 N	70.0000	700.0000	0.0 L
2AK1116	7.0000	1.5000	0.7000	0.7000	2000.0000	0.7000	0.0 N	50.0000	1000.0000	0.0 L
3AK1117	10.0000	1.0000	0.7000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 L
4AK1230	5.0000	1.0000	0.5000	0.7000	1000.0000	0.5000	0.0 L	100.0000	1500.0000	1.0000
5AK1458	15.0000	1.5000	1.0000	0.5000	3000.0000	1.5000	0.0 N	70.0000	700.0000	3.0000
6AK1051	7.0000	1.5000	0.7000	0.5000	1500.0000	1.0000	0.0 N	30.0000	700.0000	0.0 L
7AK1457	20.0000	3.0000	2.0000	0.7000	2000.0000	1.0000	0.0 N	50.0000	1000.0000	1.5000
8AK1050	5.0000	1.0000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
9AK1049	5.0000	1.0000	1.5000	0.3000	1500.0000	1.0000	0.0 N	15.0000	700.0000	1.5000
350AK1036	3.0000	0.7000	0.7000	0.3000	1500.0000	0.7000	0.0 N	15.0000	500.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
30 / AKAS04	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	15.0000	100.0000	30.0000	0.0 N
2 AKAS05	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	70.0000	30.0000	0.0 N
3 AKAS03	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	20.0000	0.0 N
4 AKAS01	0.0 N	15.0000	150.0000	30.0000	20.0000	0.0 L	15.0000	100.0000	15.0000	0.0 N
5 AKAS08	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	0.0 L	50.0000	20.0000	0.0 N
6 AKAS02	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
7 AKAS08	0.0 N	15.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
8 AKI053	0.0 N	15.0000	100.0000	20.0000	0.0 L	0.0 L	0.0 L	50.0000	50.0000	0.0 N
9 AKI052	0.0 N	70.0000	150.0000	70.0000	150.0000	0.0 L	10.0000	100.0000	100.0000	0.0 N
31 0 AKI459	0.0 N	30.0000	30.0000	10.0000	20.0000	0.0 L	10.0000	100.0000	100.0000	0.0 N
1 AKI054	0.0 N	10.0000	70.0000	20.0000	0.0 N	0.0 L	10.0000	50.0000	50.0000	0.0 N
2 AKI460	0.0 N	20.0000	15.0000	70.0000	0.0 L	0.0 L	0.0 L	15.0000	50.0000	0.0 N
3 AKI055	0.0 N	10.0000	15.0000	10.0000	0.0 N	0.0 L	10.0000	15.0000	50.0000	0.0 N
4 AKI056	0.0 N	5.0000	15.0000	10.0000	0.0 N	0.0 L	0.0 L	15.0000	30.0000	0.0 N
5 AKI057	0.0 N	10.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	15.0000	50.0000	0.0 N
6 AKI058	0.0 N	10.0000	15.0000	10.0000	0.0 L	0.0 L	10.0000	15.0000	15.0000	0.0 N
7 AKI061	0.0 N	5.0000	20.0000	10.0000	0.0 N	0.0 L	0.0 L	15.0000	30.0000	0.0 N
8 AKI059	0.0 N	15.0000	30.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	100.0000	0.0 N
9 AKI060	0.0 N	20.0000	100.0000	50.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
32 0 AKI062	0.0 N	30.0000	100.0000	100.0000	0.0 L	0.0 L	10.0000	150.0000	70.0000	0.0 N
1 AKI063	0.0 N	20.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	15.0000	70.0000	0.0 N
2 AKI064	0.0 N	15.0000	70.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	150.0000	0.0 N
3 AKI065	0.0 N	10.0000	20.0000	20.0000	0.0 N	0.0 L	0.0 L	15.0000	70.0000	0.0 N
4 AKI066	0.0 N	10.0000	50.0000	20.0000	0.0 L	0.0 L	10.0000	20.0000	30.0000	0.0 N
5 AKI069	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	70.0000	0.0 N
6 AKI071	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	100.0000	0.0 N
7 AKI072	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	150.0000	0.0 N
8 AKI070	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	200.0000	0.0 N
9 AKI068	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000	300.0000	0.0 N
33 0 AKI676	0.0 N	30.0000	50.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000	300.0000	0.0 N
1 AKI675	0.0 N	30.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000	200.0000	0.0 N
2 AKI674	0.0 N	30.0000	50.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	150.0000	0.0 N
3 AKI673	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
4 AKI124	0.0 N	10.0000	70.0000	20.0000	0.0 N	0.0 L	0.0 L	30.0000	30.0000	0.0 N
5 AKI123	0.0 N	20.0000	70.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	100.0000	0.0 N
6 AKI122	0.0 N	20.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N
7 AKI121	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	30.0000	0.0 N
8 AKI120	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	30.0000	0.0 N
9 0 AKI119	0.0 N	30.0000	100.0000	100.0000	0.0 L	0.0 L	0.0 L	100.0000	50.0000	0.0 N
34 0 AKI118	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	150.0000	10.0000	0.0 N
1 AKI116	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
2 AKI117	0.0 N	15.0000	150.0000	30.0000	50.0000	0.0 L	10.0000	70.0000	15.0000	0.0 N
3 AKI1230	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	50.0000	0.0 N
4 AKI458	0.0 N	100.0000	150.0000	200.0000	20.0000	5.0000	10.0000	200.0000	300.0000	0.0 N
5 AKI051	0.0 N	30.0000	70.0000	70.0000	0.0 L	0.0 L	0.0 L	100.0000	150.0000	0.0 N
6 AKI051	0.0 N	100.0000	150.0000	150.0000	30.0000	5.0000	10.0000	150.0000	70.0000	0.0 N
7 AKI457	0.0 N	20.0000	70.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000	50.0000	0.0 N
8 AKI050	0.0 N	10.0000	20.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	70.0000	0.0 N
9 AKI049	0.0 N	15.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N
35 0 AKI036	0.0 N	15.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
30/ AKAS04	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
2 AKAS05	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
3 AKAS03	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
4 AKAS01	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	200.0000	300.0000	0.0200L
5 AKAS03	10.0000	0.0 N	0.0 L	100.0000	0.0 N	10.0000	0.0 L	100.0000	0.1000
6 AKAS02	15.0000	0.0 N	0.0 L	150.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
7 AKAS02	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0800
8 AKI053	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
9 AKI052	15.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
30 AKI459	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	700.0000	100.0000	0.0200L
1 AKI054	10.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
2 AKI460	15.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
3 AKI055	10.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKI056	7.0000	0.0 N	150.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
5 AKI057	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
6 AKI058	10.0000	0.0 N	200.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
7 AKI061	10.0000	0.0 N	200.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8 AKI059	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
9 AKI060	20.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
32 AKI062	15.0000	0.0 N	0.0 L	150.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
1 AKI063	10.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
2 AKI064	10.0000	0.0 L	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
3 AKI065	10.0000	10.0000	200.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKI066	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5 AKI069	15.0000	0.0 L	200.0000	200.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
6 AKI071	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
7 AKI072	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
8 AKI070	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
9 AKI068	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
33 AKI676	15.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
1 AKI067	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
2 AKI675	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
3 AKI674	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
4 AKI673	15.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
5 AKI124	7.0000	0.0 N	100.0000	100.0000	0.0 N	10.0000	0.0 L	50.0000	0.0200L
6 AKI123	10.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
7 AKI122	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8 AKI121	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	50.0000	0.0200L
9 AKI120	10.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
34 AKI119	15.0000	0.0 N	200.0000	200.0000	0.0 N	10.0000	300.0000	200.0000	0.0200L
1 AKI118	10.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
2 AKI116	15.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	300.0000	200.0000	0.0200L
3 AKI117	15.0000	0.0 N	150.0000	300.0000	0.0 N	10.0000	0.0 L	100.0000	0.0400L
4 AKI230	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
5 AKI458	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	700.0000	100.0000	0.0200L
6 AKI051	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
7 AKI457	30.0000	0.0 N	300.0000	500.0000	0.0 N	30.0000	500.0000	100.0000	0.0200L
8 AKI050	15.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
9 AKI049	15.0000	15.0000	200.0000	100.0000	0.0 N	20.0000	300.0000	300.0000	0.0200L
35 AKI036	10.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
35 AKI1455	15.0000	2.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	20.0000	700.0000	1.5000
AKI1037	3.0000	0.7000	0.3000	0.2000	700.0000	0.0 N	0.0	15.0000	700.0000	1.0000
AKI1456	15.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	20.0000	1000.0000	1.5000
AKI1041	3.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0	20.0000	500.0000	1.0000
AKI1042	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	20.0000	500.0000	1.0000
AKI1043	10.0000	0.7000	1.0000	0.3000	3000.0000	0.0 L	0.0	20.0000	700.0000	1.5000
AKI1035	3.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0	30.0000	700.0000	0.0 L
AKI1038	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 L	0.0	20.0000	300.0000	0.0 L
AKI1039	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0	20.0000	300.0000	1.0000
AKI1040	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 N	0.0	20.0000	300.0000	0.0 L
AKI1045	5.0000	1.5000	1.0000	0.5000	2000.0000	0.0 L	0.0	30.0000	700.0000	1.5000
AKI1044	3.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0	20.0000	500.0000	0.0 L
AKI1046	3.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0	20.0000	300.0000	0.0 L
AKI1047	3.0000	1.0000	0.7000	0.5000	1500.0000	0.5000	0.0	100.0000	700.0000	1.0000
AKI1461	10.0000	1.5000	0.7000	0.5000	2000.0000	0.0 L	0.0	70.0000	700.0000	1.5000
AKI1463	15.0000	3.0000	1.5000	0.7000	2000.0000	0.0 L	0.0	300.0000	1500.0000	2.0000
AKI1462	10.0000	1.5000	2.0000	0.7000	1500.0000	1.0000	0.0	100.0000	1000.0000	2.0000
AKI1464	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0	70.0000	1500.0000	1.5000
AKI1465	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 N	0.0	150.0000	1500.0000	2.0000
AKI1466	15.0000	2.0000	1.5000	1.0000	1500.0000	0.0 L	0.0	200.0000	1500.0000	2.0000
AKI143	3.0000	1.0000	0.7000	0.7000	1500.0000	0.5000	0.0	70.0000	1000.0000	1.0000
AKI144	5.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0	30.0000	700.0000	0.0 L
AKA401	7.0000	1.0000	0.5000	0.5000	1500.0000	0.7000	0.0	30.0000	700.0000	1.0000
AKA129	10.0000	1.5000	0.5000	0.7000	1500.0000	0.0 L	0.0	50.0000	1000.0000	1.0000
AKA130	10.0000	1.0000	1.0000	0.5000	1500.0000	0.0 L	0.0	50.0000	700.0000	1.5000
AKA131	15.0000	1.5000	2.0000	0.7000	2000.0000	0.0 L	0.0	50.0000	1000.0000	1.0000
AKA132	15.0000	1.5000	3.0000	0.7000	1000.0000	0.0 N	0.0	30.0000	1000.0000	0.0 L
AKA133	3.0000	1.0000	7.0000	0.2000	1500.0000	0.0 L	0.0	30.0000	700.0000	0.0 N
AKA137	10.0000	2.0000	1.5000	0.7000	700.0000	0.0 N	0.0	100.0000	700.0000	0.0 N
AKA136	10.0000	3.0000	3.0000	1.0000	500.0000	0.0 N	0.0	20.0000	700.0000	0.0 L
AKA134	10.0000	2.0000	5.0000	1.0000	700.0000	0.0 N	0.0	50.0000	1500.0000	1.0000
AKA135	3.0000	1.0000	1.5000	0.5000	1500.0000	0.0 N	0.0	30.0000	1000.0000	0.0 N
AKA151	5.0000	1.5000	1.0000	0.7000	1500.0000	0.0 L	0.0	100.0000	1000.0000	1.0000
AKA150	15.0000	1.0000	0.5000	0.7000	1500.0000	0.0 L	0.0	70.0000	1000.0000	1.0000
AKA149	10.0000	1.0000	0.5000	0.7000	1000.0000	0.0 N	0.0	100.0000	1000.0000	1.0000
AKA148	7.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0	200.0000	1000.0000	1.5000
AKA139	3.0000	1.5000	1.5000	0.5000	700.0000	1.0000	0.0	150.0000	700.0000	0.0 L
AKA138	5.0000	1.5000	1.5000	0.7000	1000.0000	0.0 L	0.0	200.0000	700.0000	0.0 L
AKA253	7.0000	1.5000	1.5000	0.7000	300.0000	0.5000	0.0	150.0000	700.0000	0.0 L
AKA140	15.0000	1.0000	0.5000	0.7000	1500.0000	0.0 L	0.0	30.0000	700.0000	0.0 L
AKA141	15.0000	1.5000	0.5000	1.0000	1500.0000	0.0 L	0.0	50.0000	1000.0000	0.0 L
AKA077	7.0000	2.0000	1.5000	1.0000	1500.0000	0.0 L	0.0	20.0000	700.0000	0.0 L
AKA142	15.0000	1.0000	0.5000	0.7000	1000.0000	0.0 L	0.0	30.0000	1000.0000	0.0 N
AKA078	15.0000	1.0000	0.3000	0.7000	1500.0000	0.0 L	0.0	30.0000	700.0000	0.0 L
AKA143	15.0000	1.5000	0.5000	0.7000	1000.0000	0.0 N	0.0	30.0000	1000.0000	0.0 N
AKA144	15.0000	1.5000	0.5000	0.7000	1000.0000	0.0 N	0.0	50.0000	1000.0000	0.0 L
AKA145	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0	70.0000	1500.0000	1.0000
AKA146	15.0000	2.0000	1.5000	1.0000	1500.0000	1.0000	300.0000	2000.0000	1500.0000	1.5000
AKA147	10.0000	1.5000	1.5000	1.0000	1500.0000	0.0 N	0.0	150.0000	1500.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
35 AKI1455	0.0 N	30.0000	50.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	50.0000	0.0 N
2AKI037	0.0 N	10.0000	30.0000	10.0000	0.0 N	0.0 L	10.0000	30.0000	15.0000	0.0 N
3AKI1456	0.0 N	30.0000	20.0000	20.0000	0.0 L	0.0 L	10.0000	30.0000	30.0000	0.0 N
4AKI041	0.0 N	15.0000	30.0000	20.0000	0.0 M	0.0 L	10.0000	30.0000	20.0000	0.0 N
5AKI042	0.0 N	10.0000	30.0000	15.0000	0.0 N	0.0 L	10.0000	15.0000	20.0000	0.0 N
6AKI043	0.0 N	30.0000	30.0000	30.0000	0.0 N	7.0000	10.0000	50.0000	30.0000	0.0 N
7AKI035	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
8AKI038	0.0 N	10.0000	70.0000	15.0000	0.0 N	0.0 L	0.0 L	30.0000	30.0000	0.0 N
9AKI039	0.0 N	15.0000	50.0000	15.0000	0.0 M	0.0 L	10.0000	30.0000	20.0000	0.0 N
36 AKI040	0.0 N	10.0000	20.0000	10.0000	0.0 N	0.0 L	10.0000	10.0000	30.0000	0.0 N
AKI048	0.0 N	10.0000	30.0000	15.0000	0.0 N	0.0 L	10.0000	20.0000	30.0000	0.0 N
2AKI045	0.0 N	20.0000	70.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N
3AKI044	0.0 N	20.0000	100.0000	15.0000	0.0 N	0.0 L	10.0000	30.0000	10.0000	0.0 N
4AKI046	0.0 N	20.0000	70.0000	20.0000	0.0 N	0.0 L	10.0000	20.0000	20.0000	0.0 N
5AKI047	0.0 N	20.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
6AKI461	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
7AKI463	0.0 N	50.0000	200.0000	70.0000	20.0000	0.0 L	15.0000	150.0000	70.0000	0.0 N
8AKI462	0.0 N	30.0000	100.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	70.0000	0.0 N
9AKI464	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
37 AKI465	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	15.0000	150.0000	30.0000	0.0 N
AKI466	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
2AKI143	0.0 N	20.0000	100.0000	30.0000	30.0000	0.0 L	10.0000	70.0000	50.0000	0.0 N
3AKI114	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	0.0 L	50.0000	30.0000	0.0 N
4AKA401	0.0 N	20.0000	100.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
5AKA129	0.0 N	20.0000	200.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
6AKA130	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	0.0 L	70.0000	20.0000	0.0 N
7AKA131	0.0 N	30.0000	150.0000	100.0000	0.0 N	0.0 L	0.0 L	100.0000	30.0000	0.0 N
8AKA132	0.0 N	30.0000	0.0 L	70.0000	0.0 N	0.0 L	0.0 L	100.0000	30.0000	0.0 N
9AKA133	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 N	0.0 L	50.0000	20.0000	0.0 N
38 AKA137	0.0 N	20.0000	150.0000	7.0000	0.0 N	0.0 N	10.0000	30.0000	20.0000	0.0 N
AKA136	0.0 N	20.0000	150.0000	10.0000	0.0 L	0.0 N	10.0000	30.0000	15.0000	0.0 N
AKA134	0.0 N	10.0000	150.0000	20.0000	0.0 L	0.0 N	10.0000	30.0000	0.0 L	0.0 N
3AKA135	0.0 N	5.0000	7.0000	7.0000	20.0000	0.0 L	0.0 L	10.0000	30.0000	0.0 N
4AKA151	0.0 N	10.0000	70.0000	70.0000	0.0 L	0.0 L	0.0 L	50.0000	20.0000	0.0 N
5AKA150	0.0 N	20.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	100.0000	15.0000	0.0 N
6AKA149	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	10.0000	0.0 N
7AKA148	0.0 N	10.0000	70.0000	100.0000	0.0 L	0.0 N	10.0000	30.0000	15.0000	0.0 N
8AKA139	0.0 N	5.0000	50.0000	70.0000	0.0 L	0.0 N	10.0000	15.0000	50.0000	0.0 N
9AKA138	0.0 N	7.0000	150.0000	150.0000	0.0 L	5.0000	10.0000	20.0000	20.0000	0.0 N
39 AKA253	20.0000	5.0000	70.0000	30.0000	0.0 L	0.0 L	0.0 L	20.0000	50.0000	0.0 N
AKA140	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
2AKA141	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
3AKA077	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	30.0000	0.0 N
4AKA142	0.0 N	20.0000	150.0000	70.0000	0.0 M	5.0000	10.0000	100.0000	20.0000	0.0 N
5AKA078	0.0 N	15.0000	700.0000	100.0000	0.0 L	7.0000	10.0000	70.0000	30.0000	0.0 N
6AKA143	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
7AKA144	0.0 N	20.0000	200.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	15.0000	0.0 N
8AKA145	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N
9AKA146	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	150.0000	30.0000	0.0 N
40 AKA147	0.0 N	15.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	70.0000	10.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
35 AKI1455	20.0000	0.0	300.0000	300.0000	0.0	20.0000	0.0	150.0000	0.0200L
1 AKI037	7.0000	0.0	70.0000	70.0000	0.0	15.0000	0.0	100.0000	0.0200L
3 AKI1456	15.0000	0.0	300.0000	200.0000	0.0	15.0000	0.0	200.0000	0.0200L
4 AKI041	10.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
5 AKI042	10.0000	0.0	200.0000	100.0000	0.0	15.0000	0.0	100.0000	0.0200L
6 AKI043	15.0000	0.0	200.0000	150.0000	0.0	30.0000	0.0	150.0000	0.0200L
7 AKI035	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
8 AKI038	10.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	150.0000	0.0200L
9 AKI039	10.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
36 AKI040	7.0000	0.0	200.0000	100.0000	0.0	10.0000	0.0	70.0000	0.0200L
7 AKI048	10.0000	0.0	150.0000	100.0000	0.0	20.0000	200.0000	200.0000	0.0200L
2 AKI045	15.0000	0.0	200.0000	150.0000	0.0	15.0000	200.0000	100.0000	0.0200L
9 AKI044	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	200.0000	0.0200L
4 AKI046	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
5 AKI047	15.0000	0.0	150.0000	150.0000	0.0	15.0000	300.0000	100.0000	0.0200L
6 AKI461	35.0000	0.0	150.0000	300.0000	0.0	20.0000	0.0	100.0000	0.0200L
7 AKI1463	20.0000	0.0	500.0000	300.0000	0.0	30.0000	300.0000	200.0000	0.0200L
8 AKI1462	20.0000	0.0	300.0000	300.0000	0.0	20.0000	300.0000	300.0000	0.0200L
9 AKI1464	15.0000	0.0	200.0000	300.0000	0.0	30.0000	200.0000	300.0000	0.0200L
87 AKI1465	20.0000	0.0	150.0000	300.0000	0.0	15.0000	200.0000	100.0000	0.0200L
1 AKI1466	30.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
3 AKI1143	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
3 AKI1144	15.0000	0.0	100.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
4 AKI401	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
5 AKI129	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
6 AKI130	15.0000	0.0	200.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
7 AKI131	15.0000	0.0	300.0000	300.0000	0.0	15.0000	0.0	100.0000	0.0200L
8 AKI132	15.0000	0.0	300.0000	300.0000	0.0	20.0000	0.0	100.0000	0.0200L
9 AKI133	10.0000	0.0	500.0000	150.0000	0.0	15.0000	0.0	50.0000	0.0200L
38 AKI137	15.0000	0.0	300.0000	150.0000	0.0	20.0000	0.0	100.0000	0.0200L
1 AKI136	20.0000	0.0	200.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
3 AKI134	20.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	300.0000	0.0200L
3 AKI135	10.0000	0.0	500.0000	70.0000	0.0	15.0000	0.0	300.0000	0.0200L
4 AKI151	15.0000	0.0	200.0000	200.0000	0.0	15.0000	0.0	150.0000	0.0200L
5 AKI150	15.0000	0.0	150.0000	300.0000	0.0	15.0000	0.0	150.0000	0.0200L
6 AKI149	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	150.0000	0.0200L
7 AKI148	20.0000	15.0000	500.0000	200.0000	0.0	20.0000	0.0	500.0000	0.0200L
8 AKI139	10.0000	20.0000	300.0000	70.0000	0.0	15.0000	0.0	300.0000	0.0200L
9 AKI138	15.0000	15.0000	300.0000	150.0000	0.0	15.0000	0.0	150.0000	0.0200L
39 AKI253	15.0000	10.0000	300.0000	100.0000	0.0	10.0000	0.0	100.0000	0.0200L
1 AKI140	15.0000	0.0	100.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0600
2 AKI141	15.0000	0.0	150.0000	300.0000	0.0	15.0000	0.0	300.0000	0.0200L
3 AKI077	20.0000	0.0	300.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
4 AKI142	15.0000	0.0	100.0000	200.0000	0.0	10.0000	0.0	200.0000	0.1000
5 AKI078	15.0000	0.0	100.0000	150.0000	0.0	10.0000	0.0	150.0000	0.0200L
6 AKI143	15.0000	0.0	0.0	200.0000	0.0	10.0000	0.0	150.0000	0.0200L
7 AKI144	15.0000	0.0	100.0000	300.0000	0.0	15.0000	0.0	300.0000	0.0200L
8 AKI145	15.0000	0.0	300.0000	300.0000	0.0	20.0000	0.0	300.0000	0.0200L
9 AKI146	30.0000	10.0000	300.0000	300.0000	0.0	20.0000	0.0	200.0000	0.0200L
40 AKI147	15.0000	0.0	200.0000	300.0000	0.0	20.0000	0.0	200.0000	0.0400

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
40/ AKA079	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	200.0000	700.0000	0.0 L
2AKA080	7.0000	1.0000	0.7000	0.5000	700.0000	0.5000	0.0 N	500.0000	700.0000	0.0 N
3AKA081	10.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	0.0 N
4AKA220	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
5AKA219	5.0000	1.5000	1.0000	0.3000	700.0000	1.0000	0.0 N	0.0 L	300.0000	0.0 L
6AKA221	5.0000	1.0000	1.0000	0.3000	1000.0000	0.5000	0.0 N	0.0 N	700.0000	0.0 L
7AKA222	5.0000	1.5000	1.0000	0.5000	700.0000	0.5000	0.0 N	0.0 N	700.0000	0.0 L
8AKA223	5.0000	1.5000	1.0000	0.3000	700.0000	0.7000	0.0 N	0.0 N	700.0000	0.0 L
9AKA224	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	700.0000	0.0 L
41/ AKA218	3.0000	1.0000	0.7000	0.3000	500.0000	0.0 L	0.0 N	0.0 N	500.0000	0.0 N
1AKA217	5.0000	1.5000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	700.0000	0.0 L
2AKA216	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	700.0000	1.0000
3AKA225	1.5000	0.0700	0.0 L	0.1000	70.0000	1.0000	0.0 N	0.0 N	700.0000	0.0 L
4AKA215	3.0000	1.0000	1.0000	0.3000	1000.0000	0.5000	0.0 N	10.0000	700.0000	1.5000
5AKA894	3.0000	0.7000	1.0000	0.3000	1000.0000	0.7000	0.0 N	10.0000	700.0000	1.5000
6AKA893	10.0000	1.0000	1.5000	0.5000	2000.0000	1.0000	0.0 N	10.0000	700.0000	1.5000
7AKA895	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
8AKA896	10.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
9AKA693	15.0000	1.5000	1.5000	0.7000	1500.0000	1.0000	0.0 N	0.0 L	700.0000	0.0 L
42/ AKA214	5.0000	1.0000	0.5000	0.5000	1000.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 L
1AKA063	15.0000	1.5000	0.7000	0.7000	1500.0000	1.5000	0.0 N	30.0000	1000.0000	0.0 L
2AKA064	10.0000	1.0000	0.3000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	0.0 N
3AKA065	15.0000	0.7000	0.1500	0.7000	1500.0000	0.7000	0.0 N	10.0000	700.0000	0.0 N
4AKA066	15.0000	1.5000	0.7000	0.7000	1500.0000	0.5000	0.0 N	10.0000	700.0000	0.0 L
5AKA213	15.0000	3.0000	0.7000	0.7000	700.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 N
6AKA694	15.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
7AKA695	15.0000	5.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
8AKA696	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 L	300.0000	70.0000	700.0000	1.0000
9AKA697	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	15.0000	300.0000	0.0 L
43/ AKA128	15.0000	2.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	30.0000	1000.0000	1.5000
1AKA212	10.0000	1.0000	0.2000	0.5000	1000.0000	0.7000	0.0 N	50.0000	700.0000	0.0 L
2AKA067	15.0000	1.0000	0.3000	0.5000	1500.0000	0.5000	0.0 N	30.0000	700.0000	0.0 L
3AKA068	15.0000	1.0000	0.3000	0.5000	1500.0000	0.5000	200.0000	50.0000	700.0000	1.5000
4AKA069	5.0000	0.7000	0.1500	0.3000	700.0000	0.0 L	0.0 N	10.0000	300.0000	0.0 L
5AKA070	10.0000	0.7000	0.3000	0.7000	1500.0000	0.0 L	0.0 N	20.0000	700.0000	1.5000
6AKA071	10.0000	1.0000	0.3000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
7AKA072	7.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
8AKA073	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	700.0000	0.0 L
9AKA074	5.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
44/ AKA076	10.0000	1.5000	0.5000	0.7000	1500.0000	0.5000	0.0 N	30.0000	1000.0000	0.0 L
1AKA075	5.0000	1.5000	1.5000	0.5000	700.0000	0.0 L	0.0 N	15.0000	700.0000	0.0 N
2AKA336	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
3AKA335	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
4AKA334	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 N
5AKA333	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	70.0000	700.0000	1.0000
6AKA332	15.0000	1.5000	1.0000	1.0000	2000.0000	0.0 L	0.0 N	100.0000	1000.0000	1.5000
7AKA331	15.0000	1.5000	1.0000	0.7000	2000.0000	0.0 L	0.0 N	70.0000	700.0000	1.5000
8AKA330	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
9AKA329	20.0000	3.0000	3.0000	1.0000	5000.0000	0.0 L	0.0 N	15.0000	500.0000	1.0000
45/ AKA328	20.0000	2.0000	1.5000	0.7000	3000.0000	1.5000	500.0000	50.0000	700.0000	1.0000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
401 AKA079	0.0 N	10.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	0.0 L	0.0 N
2 AKA080	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	50.0000	15.0000	0.0 N
3 AKA081	0.0 N	15.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	70.0000	15.0000	0.0 N
4 AKA082	0.0 N	10.0000	20.0000	15.0000	0.0 L	0.0 N	10.0000	15.0000	70.0000	0.0 N
5 AKA219	0.0 N	10.0000	50.0000	150.0000	0.0 N	0.0 N	10.0000	30.0000	100.0000	0.0 N
6 AKA221	0.0 N	10.0000	30.0000	20.0000	0.0 N	0.0 N	10.0000	15.0000	150.0000	0.0 N
7 AKA222	0.0 N	10.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	15.0000	100.0000	0.0 N
8 AKA223	0.0 N	10.0000	30.0000	30.0000	0.0 N	0.0 N	0.0 L	10.0000	70.0000	0.0 N
9 AKA224	0.0 N	0.0 N	10.0000	15.0000	0.0 N	0.0 L	10.0000	0.0 N	70.0000	0.0 N
410 AKA218	0.0 N	7.0000	30.0000	10.0000	0.0 N	0.0 L	0.0 L	15.0000	70.0000	0.0 N
1 AKA217	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 N	10.0000	70.0000	150.0000	0.0 N
2 AKA216	0.0 N	5.0000	50.0000	20.0000	0.0 L	0.0 N	10.0000	30.0000	70.0000	0.0 N
3 AKA225	70.0000	0.0 N	0.0 L	70.0000	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	0.0 N
4 AKA215	0.0 N	10.0000	30.0000	20.0000	0.0 L	0.0 L	0.0 L	20.0000	70.0000	0.0 N
5 AKA894	0.0 N	5.0000	20.0000	30.0000	0.0 N	0.0 N	0.0 L	20.0000	100.0000	0.0 N
6 AKA893	0.0 N	15.0000	15.0000	70.0000	0.0 L	5.0000	10.0000	7.0000	200.0000	0.0 N
7 AKA895	0.0 N	15.0000	20.0000	20.0000	0.0 N	0.0 L	10.0000	15.0000	100.0000	0.0 N
8 AKA896	0.0 N	15.0000	20.0000	30.0000	0.0 N	0.0 L	15.0000	15.0000	100.0000	0.0 N
9 AKA693	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	0.0 L	70.0000	150.0000	0.0 N
420 AKA214	0.0 N	20.0000	150.0000	70.0000	0.0 N	30.0000	10.0000	100.0000	150.0000	0.0 N
1 AKA063	0.0 N	50.0000	150.0000	70.0000	20.0000	15.0000	20.0000	100.0000	100.0000	0.0 N
2 AKA064	0.0 N	30.0000	150.0000	70.0000	0.0 N	30.0000	10.0000	100.0000	150.0000	0.0 N
3 AKA065	0.0 N	70.0000	150.0000	100.0000	0.0 L	30.0000	10.0000	150.0000	70.0000	0.0 N
4 AKA066	0.0 N	30.0000	150.0000	70.0000	0.0 N	50.0000	10.0000	100.0000	150.0000	0.0 N
5 AKA213	0.0 N	30.0000	300.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	15.0000	0.0 N
6 AKA694	0.0 N	30.0000	300.0000	100.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
7 AKA695	0.0 N	30.0000	300.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
8 AKA696	0.0 N	20.0000	150.0000	150.0000	0.0 N	0.0 L	10.0000	70.0000	10.0000	0.0 N
9 AKA697	0.0 N	30.0000	300.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
430 AKA128	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	0.0 L	30.0000	30.0000	0.0 N
1 AKA212	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N
2 AKA067	0.0 N	30.0000	150.0000	100.0000	0.0 N	7.0000	15.0000	150.0000	30.0000	0.0 N
3 AKA068	0.0 N	30.0000	150.0000	100.0000	0.0 N	15.0000	15.0000	100.0000	30.0000	0.0 N
4 AKA069	0.0 N	20.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
5 AKA070	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
6 AKA071	0.0 N	15.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
7 AKA072	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	15.0000	0.0 N
8 AKA073	0.0 N	7.0000	150.0000	10.0000	0.0 N	0.0 N	10.0000	15.0000	30.0000	0.0 N
9 AKA074	0.0 N	15.0000	150.0000	15.0000	0.0 L	0.0 N	10.0000	70.0000	30.0000	0.0 N
440 AKA076	0.0 N	30.0000	150.0000	50.0000	0.0 L	5.0000	10.0000	15.0000	70.0000	0.0 N
1 AKA075	0.0 N	10.0000	200.0000	15.0000	0.0 N	0.0 L	10.0000	30.0000	20.0000	0.0 N
2 AKA336	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	20.0000	0.0 N
3 AKA335	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	0.0 L	100.0000	50.0000	0.0 N
4 AKA334	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
5 AKA333	0.0 N	20.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
6 AKA332	0.0 N	20.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	20.0000	0.0 N
7 AKA331	30.0000	20.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
8 AKA330	0.0 N	30.0000	150.0000	100.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
9 AKA329	0.0 N	100.0000	30.0000	700.0000	0.0 L	5.0000	15.0000	30.0000	20.0000	0.0 N
450 AKA328	0.0 N	30.0000	150.0000	200.0000	0.0 L	70.0000	15.0000	100.0000	150.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
46 / AKA079	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
1 AKA080	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 N	100.0000	0.0600
3 AKA081	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	100.0000	0.0400
4 AKA220	10.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	300.0000	100.0000	0.0200
5 AKA219	10.0000	0.0 L	200.0000	150.0000	0.0 N	10.0000	500.0000	70.0000	0.0200L
6 AKA221	10.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
7 AKA222	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
8 AKA223	10.0000	0.0 L	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
9 AKA224	7.0000	0.0 L	150.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
41 / AKA218	10.0000	0.0 N	150.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
1 AKA217	15.0000	150.0000	200.0000	150.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
2 AKA216	10.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
3 AKA225	0.0 L	15.0000	0.0 N	15.0000	0.0 N	15.0000	0.0 N	150.0000	0.2000
4 AKA215	15.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
5 AKA894	10.0000	10.0000	200.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
6 AKA893	15.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	500.0000	100.0000	0.0200L
7 AKA895	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
8 AKA896	15.0000	10.0000	300.0000	200.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
9 AKA693	15.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
42 / AKA214	15.0000	0.0 L	150.0000	100.0000	0.0 N	10.0000	200.0000	100.0000	0.0200L
1 AKA063	20.0000	0.0 N	200.0000	300.0000	0.0 N	50.0000	0.0 L	100.0000	0.0200L
2 AKA064	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
3 AKA065	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
4 AKA066	15.0000	0.0 L	200.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
5 AKA213	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
6 AKA694	15.0000	0.0 L	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
7 AKA695	20.0000	10.0000	300.0000	200.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
8 AKA696	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
9 AKA697	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
43 / AKA128	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
1 AKA212	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
2 AKA067	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
3 AKA068	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKA069	10.0000	0.0 N	0.0 L	150.0000	0.0 N	10.0000	200.0000	150.0000	0.0200L
5 AKA070	15.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 N	300.0000	0.0200L
6 AKA071	15.0000	0.0 N	100.0000	200.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
7 AKA072	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
8 AKA073	10.0000	0.0 N	200.0000	100.0000	0.0 N	10.0000	0.0 N	100.0000	0.0200L
9 AKA074	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
44 / AKA076	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	200.0000	0.1000
1 AKA075	15.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
2 AKA336	15.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
3 AKA335	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
4 AKA334	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5 AKA333	15.0000	0.0 N	150.0000	300.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
6 AKA332	20.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
7 AKA331	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
8 AKA330	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0400
9 AKA329	30.0000	0.0 N	700.0000	500.0000	0.0 N	15.0000	200.0000	70.0000	0.3000
45 / AKA328	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	150.0000	0.2000

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
45/ AKA327	20.0000	2.0000	1.5000	1.0000	5000.0000	1.0000	0.0 N	30.0000	1000.0000	1.5000
2 AKA325	10.0000	0.5000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	100.0000	700.0000	1.0000
2 AKA326	15.0000	0.7000	0.3000	0.7000	5000.0000	0.0 N	0.0 N	50.0000	1500.0000	1.5000
4 AKA211	15.0000	7.0000	3.0000	0.7000	2000.0000	0.0 L	0.0 N	100.0000	700.0000	0.0 L
5 AKA1520	15.0000	7.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	0.0 L
6 AKA1519	15.0000	5.0000	2.0000	0.7000	1500.0000	0.0 L	300.0000	30.0000	300.0000	0.0 N
7 AKA127	10.0000	2.0000	1.5000	0.3000	1500.0000	1.5000	0.0 N	30.0000	700.0000	1.5000
8 AKA816	5.0000	1.5000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
9 AKA815	10.0000	1.5000	1.0000	0.5000	2000.0000	1.0000	0.0 N	100.0000	700.0000	1.5000
46/ AKA813	5.0000	1.0000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
1 AKA814	5.0000	1.0000	1.0000	0.3000	1500.0000	0.7000	0.0 N	0.0 L	700.0000	1.5000
2 AKA811	0.3000	0.7000	1.0000	0.3000	1500.0000	0.5000	0.0 N	0.0 N	700.0000	1.5000
3 AKA812	0.3000	1.0000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	1000.0000	1.0000
4 AKA807	5.0000	1.5000	1.5000	0.5000	2000.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
5 AKA808	10.0000	1.5000	1.5000	0.7000	2000.0000	0.5000	0.0 N	100.0000	700.0000	1.5000
6 AKA809	15.0000	1.0000	0.7000	0.7000	2000.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
7 AKA810	1.5000	0.7000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	300.0000	3.0000
8 AKA210	3.0000	0.7000	0.7000	0.2000	700.0000	0.0 N	0.0 N	0.0 L	700.0000	0.0 L
9 AKA209	5.0000	1.5000	0.7000	0.5000	500.0000	0.0 N	0.0 N	10.0000	700.0000	0.0 N
47/ AKA126	3.0000	0.3000	0.7000	0.2000	1500.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
1 AKA806	15.0000	2.0000	1.0000	1.0000	1500.0000	0.0 L	0.0 N	150.0000	1000.0000	1.5000
2 AKA208	3.0000	0.5000	0.7000	0.2000	1000.0000	0.0 N	0.0 N	0.0 N	1000.0000	1.0000
3 AKA125	7.0000	0.7000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 N	1000.0000	1.0000
4 AKA805	2.0000	0.3000	0.5000	0.2000	700.0000	0.0 N	0.0 M	0.0 N	700.0000	1.5000
5 AKA804	3.0000	0.3000	0.5000	0.2000	500.0000	0.0 L	0.0 N	0.0 N	700.0000	1.0000
6 AKA207	3.0000	0.3000	0.7000	0.2000	500.0000	0.0 N	0.0 N	0.0 N	700.0000	0.0 L
7 AKA124	3.0000	0.3000	0.7000	0.2000	700.0000	0.0 L	0.0 N	0.0 N	700.0000	1.0000
8 AKA206	0.7000	0.1500	0.3000	1.0000	300.0000	0.0 N	0.0 N	0.0 N	500.0000	1.0000
9 AKA255	3.0000	0.3000	0.5000	0.2000	700.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
48/ AKA254	5.0000	0.5000	0.7000	0.2000	700.0000	0.5000	0.0 L	0.0 N	700.0000	1.5000
1 AKA1034	3.0000	1.0000	1.5000	0.3000	1500.0000	0.7000	0.0 N	15.0000	300.0000	0.0 L
2 AKA1032	3.0000	0.7000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	20.0000	500.0000	1.0000
3 AKA1031	3.0000	1.0000	1.0000	0.5000	1500.0000	0.5000	0.0 N	15.0000	500.0000	0.0 L
4 AKA1030	3.0000	1.0000	1.5000	0.5000	1000.0000	1.5000	0.0 N	15.0000	500.0000	1.0000
5 AKA1033	3.0000	1.0000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	1.0000
6 AKA1029	3.0000	1.0000	0.7000	0.3000	1000.0000	0.5000	0.0 N	15.0000	500.0000	1.0000
7 AKA1028	3.0000	1.0000	0.7000	0.3000	1500.0000	1.5000	0.0 N	10.0000	300.0000	1.0000
8 AKA1012	20.0000	0.7000	0.1500	0.7000	300.0000	1.5000	0.0 N	50.0000	500.0000	0.0 L
9 AKA1010	3.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000
49/ AKA1009	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 N
1 AKA1004	10.0000	1.5000	0.7000	0.5000	3000.0000	0.7000	0.0 N	70.0000	700.0000	1.5000
2 AKA1003	5.0000	1.0000	1.0000	0.3000	1500.0000	1.0000	0.0 N	10.0000	300.0000	3.0000
3 AKA1484	15.0000	2.0000	3.0000	0.5000	3000.0000	7.0000	0.0 L	20.0000	700.0000	1.5000
4 AKA1486	7.0000	1.0000	1.0000	0.3000	3000.0000	3.0000	0.0 L	20.0000	200.0000	5.0000
5 AKA1483	15.0000	2.0000	2.0000	0.5000	1500.0000	1.5000	300.0000	15.0000	300.0000	1.5000
6 AKA1005	7.0000	1.5000	1.0000	0.3000	3000.0000	15.0000	700.0000	30.0000	300.0000	5.0000
7 AKA1482	15.0000	2.0000	3.0000	0.5000	2000.0000	1.5000	0.0 L	15.0000	700.0000	1.5000
8 AKA1467	1.0000	1.0000	1.0000	0.3000	1000.0000	1.5000	300.0000	30.0000	300.0000	7.0000
9 AKA1468	20.0000	1.0000	0.7000	0.3000	2000.0000	5.0000	700.0000	30.0000	300.0000	20.0000
50/ AKA1469	15.0000	1.5000	1.0000	0.5000	2000.0000	3.0000	700.0000	70.0000	300.0000	7.0000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
45 / AK327	0.0 N	100.0000	150.0000	300.0000	0.0 L	10.0000	15.0000	100.0000	70.0000	0.0 N
2 AK325	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
3 AK326	0.0 N	70.0000	150.0000	100.0000	0.0 N	0.0 L	10.0000	150.0000	30.0000	0.0 N
4 AK211	0.0 N	70.0000	700.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
5 AK1520	0.0 N	70.0000	300.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
6 AK1519	0.0 N	50.0000	300.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	20.0000	0.0 N
7 AK127	0.0 N	10.0000	150.0000	50.0000	20.0000	0.0 L	0.0 L	70.0000	100.0000	0.0 N
8 AK816	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	70.0000	0.0 N
9 AK815	0.0 N	30.0000	150.0000	150.0000	0.0 L	5.0000	10.0000	100.0000	50.0000	0.0 N
46 AK813	0.0 N	10.0000	50.0000	10.0000	150.0000	7.0000	10.0000	20.0000	70.0000	0.0 N
AK814	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 N	10.0000	20.0000	100.0000	0.0 N
2 AK811	0.0 N	10.0000	15.0000	50.0000	0.0 L	0.0 L	0.0 L	15.0000	70.0000	0.0 N
3 AK812	0.0 N	5.0000	30.0000	10.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
4 AK807	0.0 N	10.0000	30.0000	15.0000	30.0000	0.0 L	10.0000	20.0000	70.0000	0.0 N
5 AK808	0.0 N	20.0000	150.0000	150.0000	0.0 L	5.0000	10.0000	100.0000	20.0000	0.0 N
6 AK809	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	100.0000	15.0000	0.0 N
7 AK810	0.0 N	0.0 N	10.0000	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	30.0000	0.0 N
8 AK210	0.0 N	0.0 L	100.0000	7.0000	0.0 L	0.0 N	0.0 L	10.0000	20.0000	0.0 N
9 AK209	0.0 N	7.0000	150.0000	10.0000	0.0 N	0.0 L	0.0 L	30.0000	20.0000	0.0 N
47 AK126	0.0 N	15.0000	0.0 L	5.0000	0.0 L	0.0 N	0.0 L	0.0 L	30.0000	0.0 N
AK806	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
2 AK208	0.0 N	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	0.0 L	0.0 N	30.0000	0.0 N
3 AK125	0.0 N	0.0 N	15.0000	10.0000	0.0 N	5.0000	10.0000	10.0000	30.0000	0.0 N
4 AK805	0.0 N	0.0 N	10.0000	0.0 L	0.0 L	0.0 N	10.0000	5.0000	10.0000	0.0 N
5 AK804	0.0 N	0.0 L	10.0000	0.0 L	20.0000	0.0 L	10.0000	10.0000	15.0000	0.0 N
6 AK207	0.0 N	0.0 N	10.0000	0.0 L	0.0 N	0.0 N	0.0 L	0.0 N	20.0000	0.0 N
7 AK124	0.0 L	0.0 L	0.0 L	30.0000	0.0 N	0.0 L	0.0 L	7.0000	70.0000	0.0 N
8 AK206	0.0 N	0.0 N	0.0 L	5.0000	0.0 N	0.0 N	0.0 L	0.0 N	30.0000	0.0 N
9 AK255	0.0 N	0.0 L	0.0 L	10.0000	0.0 L	0.0 L	10.0000	0.0 L	100.0000	0.0 N
48 AK254	0.0 N	0.0 N	0.0 L	30.0000	0.0 L	0.0 L	0.0 L	0.0 N	70.0000	0.0 N
AK1034	0.0 N	15.0000	50.0000	70.0000	0.0 N	0.0 L	10.0000	30.0000	30.0000	0.0 N
2 AK1032	0.0 N	10.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000	30.0000	0.0 N
3 AK1031	0.0 N	15.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000	0.0 N
4 AK1030	0.0 N	15.0000	50.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	70.0000	0.0 N
5 AK1033	0.0 N	15.0000	70.0000	20.0000	0.0 N	0.0 N	0.0 L	30.0000	30.0000	0.0 N
6 AK1029	0.0 N	10.0000	30.0000	15.0000	0.0 L	0.0 L	10.0000	15.0000	30.0000	0.0 N
7 AK1028	0.0 N	10.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	15.0000	150.0000	0.0 N
8 AK1012	0.0 N	10.0000	15.0000	70.0000	0.0 N	7.0000	10.0000	5.0000	300.0000	0.0 N
9 AK1010	0.0 N	10.0000	20.0000	15.0000	0.0 L	0.0 L	10.0000	10.0000	15.0000	0.0 N
49 AK1009	0.0 N	5.0000	10.0000	20.0000	0.0 N	0.0 L	0.0 L	0.0 L	20.0000	0.0 N
AK1004	0.0 N	30.0000	70.0000	100.0000	0.0 N	0.0 L	10.0000	150.0000	100.0000	0.0 N
2 AK1003	0.0 N	5.0000	15.0000	50.0000	0.0 L	5.0000	10.0000	0.0 L	300.0000	0.0 N
3 AK1484	0.0 N	70.0000	15.0000	150.0000	0.0 L	5.0000	10.0000	50.0000	200.0000	0.0 N
4 AK1486	0.0 N	15.0000	15.0000	30.0000	30.0000	70.0000	15.0000	10.0000	300.0000	0.0 N
5 AK1483	0.0 N	30.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000	300.0000	0.0 N
6 AK1005	0.0 N	30.0000	30.0000	200.0000	20.0000	10.0000	10.0000	100.0000	1500.0000	0.0 N
7 AK1482	0.0 N	70.0000	70.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000	500.0000	0.0 N
8 AK1467	20.0000	15.0000	20.0000	200.0000	100.0000	15.0000	20.0000	15.0000	200.0000	0.0 N
9 AK1468	0.0 L	30.0000	20.0000	500.0000	150.0000	20.0000	30.0000	100.0000	1000.0000	0.0 N
50 AK1469	0.0 L	50.0000	30.0000	300.0000	150.0000	50.0000	20.0000	50.0000	1000.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
45 /AKA327	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	150.0000	0.0600
1 AKA325	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	200.0000	0.0400
3 AKA326	15.0000	0.0 N	0.0 L	300.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
4 AKA211	30.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
5 AKI520	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
6 AKI519	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
7 AKI127	10.0000	0.0 L	200.0000	100.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
8 AKI16	10.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
9 AKA815	15.0000	0.0 N	300.0000	100.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
46 AKA813	7.0000	10.0000	200.0000	100.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
1 AKA814	7.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
3 AKA811	5.0000	0.0 N	300.0000	100.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
3 AKA812	7.0000	0.0 L	200.0000	100.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
4 AKA807	10.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
5 AKA808	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
6 AKA809	15.0000	0.0 L	200.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
7 AKA810	5.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8 AKA210	7.0000	0.0 N	150.0000	30.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
9 AKA209	15.0000	0.0 N	300.0000	30.0000	0.0 N	30.0000	0.0 L	200.0000	0.0600
47 AKA126	0.0 L	0.0 N	300.0000	500.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
1 AKA806	30.0000	0.0 N	200.0000	20.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
3 AKA208	5.0000	0.0 L	150.0000	20.0000	0.0 N	20.0000	0.0 L	500.0000	0.0200L
3 AKA125	10.0000	0.0 L	150.0000	50.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
4 AKA805	5.0000	0.0 L	150.0000	20.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
5 AKA804	0.0 L	0.0 L	100.0000	20.0000	0.0 N	15.0000	0.0 N	200.0000	0.0200L
6 AKA207	5.0000	0.0 N	100.0000	20.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
7 AKA124	5.0000	0.0 N	150.0000	20.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
8 AKA206	0.0 N	0.0 N	0.0 L	15.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
9 AKA255	5.0000	0.0 L	100.0000	30.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
48 AKA254	5.0000	0.0 L	150.0000	30.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
1 AKI034	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
2 AKI032	10.0000	0.0 L	100.0000	100.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
3 AKI031	10.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKI030	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5 AKI033	10.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	200.0000	100.0000	0.0200L
6 AKI029	10.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
7 AKI028	10.0000	0.0 L	150.0000	100.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
8 AKI012	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	200.0000	70.0000	0.0200L
9 AKI010	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
49 AKI009	10.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
1 AKI004	15.0000	0.0 N	100.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
2 AKI003	15.0000	15.0000	200.0000	100.0000	0.0 N	50.0000	0.0 N	70.0000	0.0200L
3 AKI484	15.0000	0.0 N	300.0000	200.0000	0.0 N	50.0000	1000.0000	70.0000	0.0200L
4 AKI486	5.0000	20.0000	150.0000	70.0000	0.0 N	70.0000	700.0000	150.0000	0.0200L
5 AKI483	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000	100.0000	0.0400
6 AKI005	15.0000	70.0000	200.0000	150.0000	0.0 N	70.0000	3000.0000	100.0000	0.0400
7 AKI482	15.0000	0.0 N	700.0000	200.0000	0.0 N	30.0000	700.0000	70.0000	0.0200L
8 AKI467	10.0000	30.0000	100.0000	100.0000	0.0 N	100.0000	200.0000	200.0000	0.0200L
9 AKI468	15.0000	70.0000	100.0000	100.0000	0.0 N	150.0000	1500.0000	200.0000	0.0200L
50 AKI469	15.0000	100.0000	200.0000	150.0000	0.0 N	150.0000	1000.0000	100.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
50 AKI470	10.0000	1.0000	1.5000	0.3000	2000.0000	3.0000	200.0000	20.0000	300.0000	10.0000
2 AKI471	10.0000	1.0000	1.0000	0.3000	3000.0000	15.0000	300.0000	15.0000	200.0000	10.0000
3 AKI472	15.0000	1.5000	0.7000	0.5000	1500.0000	1.5000	500.0000	15.0000	200.0000	5.0000
4 AKI006	3.0000	1.5000	0.7000	0.3000	1000.0000	1.0000	0.0 L	0.0 L	150.0000	7.0000
5 AKI473	15.0000	3.0000	2.5000	0.5000	1500.0000	1.5000	0.0 L	20.0000	500.0000	3.0000
6 AKI474	10.0000	1.5000	1.5000	0.5000	2000.0000	3.0000	0.0 L	20.0000	300.0000	7.0000
7 AKI475	15.0000	3.0000	5.0000	0.7000	2000.0000	7.0000	0.0 N	20.0000	700.0000	3.0000
8 AKI007	3.0000	1.0000	0.7000	0.3000	1500.0000	3.0000	0.0 L	15.0000	300.0000	3.0000
9 AKI476	15.0000	2.0000	3.0000	0.7000	3000.0000	3.0000	200.0000	20.0000	700.0000	10.0000
51 AKI477	20.0000	1.0000	2.0000	0.7000	3000.0000	5.0000	300.0000	20.0000	700.0000	15.0000
7 AKI478	15.0000	1.0000	1.0000	0.5000	1500.0000	7.0000	0.0 L	20.0000	700.0000	1.5000
2 AKI479	15.0000	1.5000	1.5000	0.7000	3000.0000	3.0000	0.0 L	15.0000	500.0000	7.0000
3 AKI008	5.0000	1.0000	0.7000	0.5000	3000.0000	1.5000	0.0 L	20.0000	300.0000	3.0000
4 AKI011	3.0000	1.0000	0.7000	0.3000	1000.0000	1.5000	0.0 L	20.0000	300.0000	1.0000
5 AKI481	15.0000	2.0000	3.0000	0.7000	1500.0000	2.0000	0.0 L	20.0000	500.0000	1.5000
6 AKI480	15.0000	2.0000	2.0000	0.7000	2000.0000	1.5000	0.0 L	100.0000	1500.0000	2.0000
7 AKI013	10.0000	1.5000	1.5000	0.7000	1500.0000	0.7000	0.0 N	15.0000	300.0000	0.0 L
8 AKI014	5.0000	1.5000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	0.0 L
9 AKI015	5.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	20.0000	300.0000	1.0000
52 AKI016	7.0000	1.5000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	0.0 L
7 AKI017	3.0000	1.5000	0.7000	0.3000	1000.0000	5.0000	0.0 N	0.0 L	300.0000	0.0 N
2 AKI021	7.0000	1.5000	1.0000	0.5000	1000.0000	0.5000	0.0 N	10.0000	500.0000	0.0 N
3 AKI022	3.0000	1.5000	1.0000	0.5000	1500.0000	0.7000	0.0 N	15.0000	500.0000	1.0000
4 AKI018	5.0000	2.0000	2.0000	0.5000	1000.0000	0.7000	0.0 N	15.0000	500.0000	1.0000
5 AKI019	10.0000	3.0000	1.5000	0.7000	1000.0000	0.7000	0.0 N	15.0000	700.0000	0.0 L
6 AKI020	10.0000	1.0000	1.5000	0.7000	1500.0000	3.0000	300.0000	15.0000	300.0000	3.0000
7 AKI026	3.0000	1.5000	0.7000	0.3000	700.0000	1.5000	0.0 N	15.0000	300.0000	0.0 L
8 AKI023	3.0000	1.0000	1.0000	0.7000	1000.0000	1.5000	0.0 N	20.0000	500.0000	1.0000
9 AKI024	5.0000	1.5000	1.5000	0.7000	1500.0000	1.5000	0.0 N	30.0000	700.0000	1.0000
53 AKI025	3.0000	1.0000	1.0000	0.3000	700.0000	0.5000	0.0 N	15.0000	300.0000	0.0 L
7 AKI027	7.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	20.0000	500.0000	1.0000
2 AKI748	3.0000	1.0000	1.0000	0.5000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
3 AKI742	3.0000	1.5000	1.5000	0.3000	500.0000	0.0 L	0.0 N	0.0 L	700.0000	0.0 L
4 AKI741	7.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
5 AKI678	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	15.0000	700.0000	1.5000
6 AKI676	3.0000	0.5000	0.7000	0.3000	1500.0000	0.7000	0.0 N	0.0 L	300.0000	1.5000
7 AKI677	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
8 AKI679	5.0000	1.0000	1.5000	0.3000	700.0000	0.7000	0.0 N	10.0000	500.0000	1.5000
9 AKI680	5.0000	1.0000	1.5000	0.3000	700.0000	1.0000	0.0 N	0.0 N	300.0000	1.0000
54 AKI674	10.0000	1.5000	1.5000	0.5000	700.0000	0.7000	0.0 N	0.0 N	500.0000	0.0 L
7 AKI675	5.0000	1.0000	1.0000	0.5000	700.0000	1.0000	0.0 N	10.0000	700.0000	1.5000
2 AKI672	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
3 AKI670	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
4 AKI671	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
5 AKI673	3.0000	0.7000	0.5000	0.3000	300.0000	0.0 L	0.0 N	10.0000	500.0000	1.0000
6 AKI668	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 L	0.0 N	20.0000	700.0000	1.5000
7 AKI667	7.0000	1.0000	1.5000	0.5000	1000.0000	1.0000	0.0 N	10.0000	500.0000	1.5000
9 AKI666	5.0000	1.5000	1.0000	0.5000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	0.0 L
7 AKI669	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 L	0.0 N	20.0000	700.0000	1.0000
55 AKI665	3.0000	0.7000	0.5000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000

TABLE 1

SAMPLE	HI PPM	CD PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
50 / AKI470	0.0	20.0000	15.0000	50.0000	70.0000	7.0000	15.0000	15.0000	700.0000	0.0
2 AKI471	0.0	20.0000	15.0000	200.0000	30.0000	20.0000	15.0000	15.0000	7000.0000	0.0
3 AKI472	0.0	30.0000	30.0000	100.0000	20.0000	5.0000	15.0000	15.0000	700.0000	0.0
4 AKI006	0.0	10.0000	20.0000	70.0000	0.0	0.0	10.0000	10.0000	300.0000	0.0
5 AKI473	0.0	50.0000	50.0000	70.0000	0.0	0.0	10.0000	50.0000	150.0000	0.0
6 AKI474	0.0	20.0000	15.0000	150.0000	30.0000	15.0000	15.0000	15.0000	1000.0000	0.0
7 AKI475	0.0	50.0000	50.0000	150.0000	20.0000	5.0000	10.0000	70.0000	1000.0000	0.0
9 AKI007	0.0	20.0000	30.0000	150.0000	0.0	5.0000	10.0000	30.0000	700.0000	0.0
9 AKI476	0.0	30.0000	50.0000	150.0000	50.0000	10.0000	15.0000	30.0000	500.0000	0.0
510 AKI477	0.0	30.0000	30.0000	200.0000	70.0000	10.0000	15.0000	30.0000	1500.0000	0.0
1 AKI478	0.0	15.0000	50.0000	150.0000	0.0	7.0000	15.0000	30.0000	1000.0000	0.0
2 AKI479	0.0	30.0000	30.0000	200.0000	30.0000	10.0000	15.0000	30.0000	700.0000	0.0
3 AKI008	0.0	30.0000	50.0000	70.0000	0.0	7.0000	10.0000	50.0000	500.0000	0.0
4 AKI011	0.0	15.0000	50.0000	200.0000	0.0	7.0000	10.0000	30.0000	150.0000	0.0
5 AKI481	0.0	30.0000	70.0000	300.0000	0.0	7.0000	10.0000	30.0000	50.0000	0.0
6 AKI480	0.0	50.0000	150.0000	200.0000	0.0	7.0000	15.0000	100.0000	70.0000	0.0
7 AKI013	0.0	20.0000	100.0000	70.0000	0.0	0.0	10.0000	50.0000	70.0000	0.0
8 AKI014	0.0	20.0000	150.0000	30.0000	0.0	0.0	0.0	30.0000	10.0000	0.0
9 AKI015	0.0	20.0000	100.0000	70.0000	0.0	0.0	10.0000	30.0000	70.0000	0.0
520 AKI016	0.0	20.0000	100.0000	50.0000	0.0	0.0	10.0000	50.0000	50.0000	0.0
1 AKI017	0.0	20.0000	30.0000	50.0000	0.0	0.0	10.0000	30.0000	70.0000	0.0
2 AKI021	0.0	20.0000	150.0000	70.0000	0.0	0.0	10.0000	15.0000	150.0000	0.0
3 AKI022	0.0	15.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
4 AKI018	0.0	20.0000	50.0000	70.0000	0.0	0.0	10.0000	30.0000	200.0000	0.0
5 AKI019	0.0	30.0000	100.0000	70.0000	0.0	0.0	10.0000	50.0000	50.0000	0.0
6 AKI020	0.0	20.0000	70.0000	150.0000	70.0000	0.0	15.0000	20.0000	150.0000	0.0
7 AKI026	0.0	10.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	100.0000	0.0
8 AKI023	0.0	20.0000	70.0000	70.0000	0.0	0.0	10.0000	70.0000	200.0000	0.0
9 AKI024	0.0	20.0000	70.0000	50.0000	0.0	0.0	10.0000	50.0000	150.0000	0.0
530 AKI025	0.0	15.0000	50.0000	30.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
1 AKI027	0.0	20.0000	70.0000	70.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
2 AKAT48	0.0	20.0000	30.0000	30.0000	50.0000	0.0	0.0	30.0000	70.0000	0.0
3 AKAT42	0.0	7.0000	30.0000	15.0000	0.0	0.0	10.0000	15.0000	70.0000	0.0
4 AKAT41	0.0	15.0000	30.0000	30.0000	20.0000	0.0	10.0000	30.0000	50.0000	0.0
5 AKAT678	0.0	5.0000	30.0000	30.0000	0.0	0.0	10.0000	30.0000	15.0000	0.0
6 AKAT676	0.0	5.0000	15.0000	50.0000	20.0000	0.0	10.0000	15.0000	70.0000	0.0
7 AKAT677	0.0	7.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	20.0000	0.0
8 AKAT679	0.0	10.0000	30.0000	70.0000	0.0	0.0	10.0000	20.0000	20.0000	0.0
9 AKAT680	0.0	10.0000	15.0000	50.0000	0.0	0.0	10.0000	20.0000	150.0000	0.0
540 AKAT674	0.0	20.0000	30.0000	100.0000	0.0	0.0	10.0000	30.0000	70.0000	0.0
1 AKAT675	0.0	5.0000	30.0000	70.0000	0.0	0.0	10.0000	30.0000	100.0000	0.0
2 AKAT672	0.0	5.0000	15.0000	7.0000	0.0	0.0	0.0	15.0000	30.0000	0.0
3 AKAT670	0.0	10.0000	20.0000	15.0000	0.0	0.0	10.0000	15.0000	20.0000	0.0
4 AKAT671	0.0	20.0000	50.0000	30.0000	20.0000	5.0000	10.0000	20.0000	70.0000	0.0
5 AKAT673	0.0	5.0000	150.0000	7.0000	0.0	0.0	0.0	20.0000	10.0000	0.0
6 AKAT668	0.0	7.0000	30.0000	15.0000	0.0	0.0	10.0000	20.0000	30.0000	0.0
7 AKAT667	0.0	15.0000	50.0000	50.0000	30.0000	0.0	10.0000	30.0000	150.0000	0.0
8 AKAT666	0.0	15.0000	30.0000	30.0000	0.0	0.0	10.0000	15.0000	70.0000	0.0
9 AKAT669	0.0	15.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	70.0000	0.0
550 AKAT665	0.0	10.0000	30.0000	10.0000	0.0	0.0	10.0000	15.0000	70.0000	0.0

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
50/ AKI470	10.0000	20.0000	200.0000	100.0000	0.0 N	70.0000	1000.0000	100.0000	0.0200L
1 AKI471	7.0000	200.0000	200.0000	70.0000	0.0 N	70.0000	1500.0000	100.0000	0.0200L
3 AKI472	15.0000	30.0000	150.0000	100.0000	0.0 N	70.0000	700.0000	150.0000	0.0200L
4 AKI006	10.0000	70.0000	150.0000	100.0000	0.0 N	20.0000	700.0000	70.0000	0.0200L
5 AKI473	20.0000	0.0 L	700.0000	200.0000	0.0 N	30.0000	700.0000	100.0000	0.0200L
6 AKI474	15.0000	30.0000	300.0000	150.0000	0.0 N	70.0000	1000.0000	100.0000	0.0200L
7 AKI475	15.0000	0.0 L	700.0000	200.0000	0.0 N	20.0000	1000.0000	150.0000	0.0200L
8 AKI007	10.0000	30.0000	150.0000	100.0000	0.0 N	70.0000	1000.0000	70.0000	0.0200L
9 AKI476	15.0000	30.0000	500.0000	200.0000	0.0 N	100.0000	2000.0000	150.0000	0.0200L
5/ AKI477	15.0000	50.0000	300.0000	200.0000	0.0 N	100.0000	3000.0000	150.0000	0.0200L
1 AKI478	15.0000	30.0000	150.0000	150.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
2 AKI479	10.0000	30.0000	200.0000	150.0000	0.0 N	70.0000	3000.0000	100.0000	0.0200L
3 AKI008	15.0000	30.0000	150.0000	150.0000	0.0 N	50.0000	1500.0000	100.0000	0.0200L
4 AKI011	15.0000	0.0 L	100.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5 AKI481	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
6 AKI480	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
7 AKI013	15.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
8 AKI014	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
9 AKI015	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
52 AKI016	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
1 AKI017	10.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
2 AKI021	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
3 AKI022	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	700.0000	100.0000	0.1000
4 AKI018	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5 AKI019	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
6 AKI020	15.0000	50.0000	300.0000	150.0000	0.0 N	70.0000	700.0000	200.0000	0.0200L
7 AKI026	10.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
8 AKI023	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
9 AKI024	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
53 AKI025	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
1 AKI027	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
2 AKI478	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
3 AKI472	15.0000	0.0 L	300.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKI471	15.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
5 AKI478	7.0000	0.0 N	200.0000	100.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
6 AKI476	10.0000	0.0 L	200.0000	100.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
7 AKI477	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
8 AKI479	10.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
9 AKI480	10.0000	10.0000	200.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
54 AKI474	15.0000	15.0000	200.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
1 AKI475	15.0000	10.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
2 AKI472	7.0000	0.0 N	150.0000	70.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
3 AKI470	10.0000	0.0 L	150.0000	100.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4 AKI471	20.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
5 AKI473	7.0000	0.0 N	150.0000	70.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
6 AKI468	7.0000	0.0 L	150.0000	100.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
7 AKI467	15.0000	10.0000	200.0000	150.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
8 AKI466	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
9 AKI469	10.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 N	150.0000	0.0200L
55 AKI465	15.0000	10.0000	150.0000	70.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
55 / AKA663	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
2 AKA661	10.0000	1.5000	1.5000	0.5000	1500.0000	3.0000	0.0 N	20.0000	700.0000	1.5000
3 AKA662	10.0000	1.0000	1.5000	0.5000	2000.0000	1.5000	0.0 N	10.0000	300.0000	5.0000
4 AKA660	3.0000	0.7000	0.5000	0.3000	1000.0000	0.0 L	0.0 N	0.0 N	700.0000	1.0000
5 AKA659	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	700.0000	1.0000
6 AKA651	5.0000	1.0000	1.5000	0.3000	1000.0000	0.7000	0.0 N	0.0 L	500.0000	1.0000
7 AKA658	10.0000	1.0000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
8 AKA655	7.0000	0.7000	15.0000	0.3000	1000.0000	0.7000	0.0 N	0.0 N	700.0000	1.0000
9 AKA652	7.0000	1.5000	1.5000	0.3000	700.0000	0.0 L	0.0 N	10.0000	300.0000	0.0 L
56 / AKA656	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
1 AKA657	10.0000	1.0000	1.5000	0.5000	1500.0000	1.0000	0.0 N	10.0000	700.0000	1.0000
2 AKA654	7.0000	0.7000	1.5000	0.5000	1000.0000	1.0000	0.0 N	0.0 N	700.0000	1.0000
3 AKA653	10.0000	1.5000	2.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	0.0 L
4 AKA664	3.0000	0.7000	0.5000	0.3000	300.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
5 AKA650	3.0000	0.7000	0.3000	0.3000	500.0000	0.0 L	0.0 N	10.0000	500.0000	1.5000
6 AKA682	3.0000	1.0000	1.5000	0.3000	700.0000	0.7000	0.0 N	10.0000	300.0000	2.0000
7 AKA681	3.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	1.0000
8 AKA683	7.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
9 AKA684	5.0000	1.0000	1.0000	0.5000	1500.0000	0.0 N	0.0 N	15.0000	700.0000	1.5000
57 / AKA685	10.0000	1.5000	1.5000	0.7000	1500.0000	0.5000	0.0 N	20.0000	700.0000	1.5000
1 AKA686	10.0000	1.0000	1.0000	0.5000	1500.0000	1.5000	0.0 N	0.0 L	700.0000	1.0000
2 AKA691	5.0000	1.0000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
3 AKA692	7.0000	1.0000	1.0000	0.3000	1500.0000	0.7000	0.0 N	0.0 L	700.0000	1.0000
4 AKA689	7.0000	1.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	1000.0000	1.5000
5 AKA688	3.0000	0.7000	0.5000	0.2000	700.0000	0.0 L	0.0 N	20.0000	700.0000	1.5000
6 AKA690	2.0000	0.3000	0.3000	0.2000	700.0000	0.0 N	0.0 N	0.0 L	500.0000	1.0000
7 AKA687	1.5000	0.7000	0.7000	0.2000	700.0000	0.0 N	0.0 N	0.0 M	500.0000	1.5000
8 AKA353	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
9 AKA352	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	500.0000	2.0000
58 / AKA351	7.0000	1.0000	1.0000	0.5000	1000.0000	0.5000	0.0 N	10.0000	700.0000	1.5000
1 AKA649	3.0000	1.5000	1.5000	0.3000	1000.0000	1.5000	0.0 N	10.0000	300.0000	3.0000
2 AKA350	7.0000	1.0000	1.5000	0.5000	1500.0000	1.5000	0.0 N	0.0 L	500.0000	5.0000
3 AKA648	5.0000	1.0000	0.7000	0.3000	1000.0000	0.7000	0.0 N	15.0000	300.0000	5.0000
4 AKA349	7.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
5 AKA348	5.0000	1.0000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	10.0000	500.0000	3.0000
6 AKA647	3.0000	0.7000	0.7000	0.3000	1500.0000	0.5000	0.0 N	0.0 N	200.0000	5.0000
7 AKA347	3.0000	1.0000	0.7000	0.2000	700.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
8 AKA346	3.0000	1.0000	0.7000	0.2000	300.0000	0.0 L	0.0 N	0.0 M	700.0000	0.0 L
9 AKA345	5.0000	1.0000	1.0000	0.5000	1000.0000	0.7000	0.0 N	20.0000	700.0000	2.0000
59 / AKA646	3.0000	0.7000	0.7000	0.3000	1500.0000	1.0000	0.0 N	0.0 N	300.0000	3.0000
1 AKA344	5.0000	1.5000	1.5000	0.5000	2000.0000	0.7000	0.0 N	10.0000	500.0000	3.0000
2 AKA644	3.0000	0.7000	0.7000	0.2000	700.0000	1.0000	0.0 N	0.0 N	150.0000	3.0000
3 AKA645	3.0000	0.7000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 M	300.0000	1.5000
4 AKA643	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
5 AKA642	3.0000	0.7000	0.7000	0.2000	700.0000	0.7000	0.0 N	0.0 N	300.0000	3.0000
6 AKA343	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
7 AKA342	15.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
8 AKA341	3.0000	0.7000	0.7000	0.3000	700.0000	0.5000	0.0 N	0.0 N	500.0000	1.5000
9 AKA339	5.0000	1.0000	1.0000	0.3000	1500.0000	1.0000	0.0 N	0.0 N	700.0000	1.0000
60 AKA638	5.0000	0.7000	0.7000	0.3000	500.0000	0.0 L	0.0 N	20.0000	700.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MD PPM	NB PPM	NI PPM	PB PPM	SB PPM
55) AKA663	0.0 N	10.0000	15.0000	7.0000	0.0 L	0.0 L	10.0000	10.0000	70.0000	0.0 N
2 AKA661	0.0 N	30.0000	100.0000	70.0000	20.0000	5.0000	10.0000	70.0000	300.0000	0.0 N
3 AKA662	0.0 N	15.0000	30.0000	70.0000	70.0000	7.0000	30.0000	20.0000	300.0000	0.0 N
4 AKA660	0.0 N	5.0000	15.0000	5.0000	0.0 L	0.0 L	10.0000	10.0000	30.0000	0.0 N
5 AKA659	0.0 N	7.0000	10.0000	20.0000	20.0000	0.0 L	0.0 L	10.0000	30.0000	0.0 N
6 AKA651	0.0 N	10.0000	10.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
7 AKA658	0.0 N	10.0000	30.0000	20.0000	50.0000	0.0 L	10.0000	20.0000	150.0000	0.0 N
8 AKA655	0.0 N	0.0 L	15.0000	30.0000	20.0000	0.0 L	10.0000	10.0000	100.0000	0.0 N
9 AKA652	0.0 N	10.0000	20.0000	20.0000	0.0 L	0.0 L	0.0 L	15.0000	50.0000	0.0 N
56) AKA656	0.0 N	5.0000	15.0000	7.0000	20.0000	0.0 L	10.0000	10.0000	30.0000	0.0 N
1 AKA657	0.0 N	10.0000	30.0000	50.0000	20.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
2 AKA654	0.0 N	7.0000	30.0000	50.0000	20.0000	0.0 L	10.0000	15.0000	20.0000	0.0 N
3 AKA653	0.0 N	15.0000	10.0000	20.0000	0.0 L	0.0 L	10.0000	10.0000	20.0000	0.0 N
4 AKA664	0.0 N	10.0000	70.0000	15.0000	0.0 N	0.0 L	10.0000	30.0000	15.0000	0.0 N
5 AKA650	0.0 N	7.0000	30.0000	30.0000	0.0 N	0.0 L	10.0000	10.0000	10.0000	0.0 N
6 AKA682	0.0 N	7.0000	15.0000	20.0000	0.0 L	0.0 L	20.0000	15.0000	150.0000	0.0 N
7 AKA681	0.0 N	7.0000	10.0000	20.0000	0.0 N	0.0 L	10.0000	0.0 L	10.0000	0.0 N
8 AKA683	0.0 N	10.0000	50.0000	30.0000	20.0000	0.0 L	10.0000	30.0000	70.0000	0.0 N
9 AKA684	0.0 N	10.0000	30.0000	10.0000	0.0 L	0.0 L	10.0000	15.0000	15.0000	0.0 N
57) AKA685	0.0 N	15.0000	100.0000	30.0000	20.0000	0.0 L	10.0000	30.0000	70.0000	0.0 N
1 AKA686	0.0 N	20.0000	70.0000	50.0000	20.0000	5.0000	10.0000	50.0000	100.0000	0.0 N
2 AKA691	0.0 N	15.0000	30.0000	20.0000	20.0000	0.0 L	10.0000	30.0000	70.0000	0.0 N
3 AKA692	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	50.0000	150.0000	0.0 N
4 AKA689	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
5 AKA688	0.0 N	7.0000	50.0000	10.0000	0.0 N	0.0 L	0.0 L	30.0000	10.0000	0.0 N
6 AKA690	0.0 N	5.0000	30.0000	7.0000	0.0 N	0.0 L	0.0 L	15.0000	15.0000	0.0 N
7 AKA687	0.0 N	5.0000	20.0000	20.0000	0.0 N	0.0 L	0.0 L	50.0000	50.0000	0.0 N
8 AKA353	0.0 N	5.0000	70.0000	70.0000	20.0000	5.0000	10.0000	20.0000	100.0000	0.0 N
9 AKA352	0.0 N	0.0 L	15.0000	50.0000	0.0 N	0.0 L	0.0 L	15.0000	100.0000	0.0 N
58) AKA351	0.0 N	5.0000	50.0000	100.0000	50.0000	0.0 L	10.0000	20.0000	150.0000	0.0 N
1 AKA649	0.0 N	7.0000	10.0000	30.0000	30.0000	0.0 L	10.0000	15.0000	200.0000	0.0 N
2 AKA350	0.0 N	7.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	20.0000	100.0000	0.0 N
3 AKA648	0.0 N	10.0000	15.0000	70.0000	30.0000	0.0 L	15.0000	15.0000	70.0000	0.0 N
4 AKA349	0.0 N	5.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	15.0000	150.0000	0.0 N
5 AKA348	0.0 N	0.0 L	15.0000	70.0000	0.0 L	0.0 L	20.0000	10.0000	150.0000	0.0 N
6 AKA647	0.0 N	7.0000	10.0000	70.0000	30.0000	0.0 L	10.0000	10.0000	70.0000	0.0 N
7 AKA347	0.0 N	0.0 N	30.0000	70.0000	0.0 N	0.0 L	10.0000	10.0000	150.0000	0.0 N
8 AKA346	0.0 N	0.0 L	30.0000	50.0000	0.0 N	0.0 L	0.0 L	10.0000	50.0000	0.0 N
9 AKA345	0.0 N	5.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	10.0000	100.0000	0.0 N
59) AKA646	0.0 N	7.0000	10.0000	100.0000	0.0 L	0.0 L	10.0000	15.0000	200.0000	0.0 N
1 AKA344	0.0 N	5.0000	15.0000	30.0000	20.0000	7.0000	20.0000	15.0000	300.0000	0.0 N
2 AKA644	0.0 N	0.0 L	0.0 L	20.0000	0.0 L	0.0 L	10.0000	0.0 L	200.0000	0.0 N
3 AKA645	0.0 N	7.0000	0.0 L	15.0000	0.0 N	0.0 L	10.0000	15.0000	30.0000	0.0 N
4 AKA643	0.0 N	0.0 L	0.0 L	15.0000	0.0 N	0.0 L	0.0 L	10.0000	15.0000	0.0 N
5 AKA642	0.0 N	0.0 L	10.0000	20.0000	0.0 L	0.0 L	10.0000	5.0000	150.0000	0.0 N
6 AKA343	0.0 N	0.0 L	30.0000	150.0000	0.0 N	0.0 L	10.0000	10.0000	150.0000	0.0 N
7 AKA342	0.0 N	7.0000	50.0000	70.0000	0.0 L	5.0000	10.0000	15.0000	70.0000	0.0 N
8 AKA341	0.0 N	0.0 L	30.0000	70.0000	20.0000	0.0 L	10.0000	15.0000	100.0000	0.0 N
9 AKA339	0.0 N	5.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	15.0000	100.0000	0.0 N
60) AKA638	0.0 N	5.0000	15.0000	70.0000	0.0 L	0.0 L	10.0000	20.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
557AKA663	10.0000	0.0 N	150.0000	70.0000	0.0 N	20.0000	0.0 N	150.0000	0.0200L
2AKA661	20.0000	30.0000	200.0000	200.0000	0.0 N	20.0000	700.0000	70.0000	0.0200L
3AKA662	15.0000	20.0000	300.0000	150.0000	0.0 N	150.0000	1000.0000	70.0000	0.0200L
4AKA660	10.0000	0.0 L	150.0000	50.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5AKA659	15.0000	0.0 L	200.0000	70.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
6AKA651	10.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
7AKA658	30.0000	0.0 N	200.0000	150.0000	0.0 N	50.0000	200.0000	100.0000	0.0200L
8AKA655	15.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
9AKA652	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
560AKA656	15.0000	0.0 L	150.0000	50.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
7AKA657	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
8AKA654	15.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
9AKA653	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
4AKA664	7.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
5AKA650	7.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
6AKA682	10.0000	15.0000	300.0000	150.0000	0.0 N	50.0000	200.0000	70.0000	0.0200L
7AKA681	10.0000	0.0 N	300.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
8AKA683	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
9AKA684	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
570AKA685	20.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
7AKA686	20.0000	0.0 N	200.0000	150.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
8AKA691	15.0000	0.0 L	200.0000	100.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
9AKA692	15.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
4AKA689	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5AKA688	7.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
6AKA690	5.0000	0.0 N	150.0000	50.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
7AKA687	5.0000	0.0 N	150.0000	50.0000	0.0 N	10.0000	0.0 N	150.0000	0.1000
8AKA353	10.0000	15.0000	150.0000	70.0000	0.0 N	30.0000	200.0000	500.0000	0.0200L
9AKA352	7.0000	0.0 L	150.0000	70.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
580AKA351	10.0000	15.0000	200.0000	100.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
7AKA649	10.0000	10.0000	300.0000	100.0000	0.0 N	70.0000	300.0000	70.0000	0.0200L
8AKA350	15.0000	0.0 L	300.0000	100.0000	0.0 N	70.0000	500.0000	100.0000	0.0200L
9AKA648	10.0000	15.0000	150.0000	150.0000	0.0 N	70.0000	300.0000	70.0000	0.0200L
7AKA349	10.0000	10.0000	200.0000	100.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
5AKA348	7.0000	10.0000	200.0000	70.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
6AKA647	7.0000	10.0000	150.0000	50.0000	0.0 N	70.0000	500.0000	70.0000	0.0200L
7AKA347	7.0000	10.0000	150.0000	50.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
8AKA346	7.0000	0.0 N	100.0000	50.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
9AKA345	10.0000	0.0 L	200.0000	70.0000	0.0 N	20.0000	300.0000	200.0000	0.0200L
590AKA646	7.0000	10.0000	150.0000	70.0000	0.0 N	30.0000	700.0000	70.0000	0.0200L
7AKA344	15.0000	10.0000	200.0000	100.0000	0.0 N	70.0000	500.0000	300.0000	0.0200L
8AKA644	7.0000	10.0000	150.0000	50.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
9AKA645	10.0000	0.0 L	150.0000	50.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4AKA643	7.0000	0.0 N	200.0000	50.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5AKA642	5.0000	15.0000	150.0000	30.0000	0.0 N	20.0000	300.0000	70.0000	0.0200L
6AKA343	10.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
7AKA342	15.0000	15.0000	200.0000	150.0000	0.0 N	30.0000	300.0000	300.0000	0.0200
8AKA341	7.0000	0.0 L	150.0000	70.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
9AKA339	10.0000	0.0 L	200.0000	100.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
600AKA638	10.0000	0.0 L	150.0000	100.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
601AKA340	5.0000	1.0000	1.0000	0.5000	1000.0000	0.7000	200.0000	30.0000	700.0000	1.5000
AKA338	3.0000	1.0000	1.0000	0.2000	1000.0000	0.5000	0.0	0.0	700.0000	1.5000
AKA337	3.0000	1.0000	1.5000	0.2000	1000.0000	0.5000	0.0	0.0	700.0000	1.5000
AKA641	3.0000	0.7000	0.7000	0.2000	500.0000	0.5000	0.0	15.0000	300.0000	1.5000
AKA639	3.0000	0.7000	1.0000	0.3000	700.0000	0.7000	0.0	0.0	500.0000	1.5000
AKA640	5.0000	0.7000	1.0000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA803	3.0000	0.7000	0.7000	0.3000	1000.0000	0.0	0.0	0.0	150.0000	7.0000
AKA802	15.0000	1.5000	1.0000	0.5000	3000.0000	1.0000	0.0	10.0000	700.0000	5.0000
AKA801	15.0000	1.5000	0.7000	0.7000	3000.0000	1.5000	0.0	10.0000	700.0000	3.0000
61AKA800	10.0000	1.0000	0.7000	0.5000	1000.0000	0.0	0.0	0.0	500.0000	0.0
AKA799	10.0000	1.5000	2.0000	0.5000	1500.0000	0.0	0.0	0.0	700.0000	1.5000
AKA798	5.0000	1.0000	1.0000	0.3000	1000.0000	0.0	0.0	0.0	700.0000	1.5000
AKA797	7.0000	1.5000	1.5000	0.5000	1500.0000	0.5000	0.0	0.0	700.0000	1.5000
AKA796	3.0000	0.7000	1.5000	0.3000	1500.0000	0.7000	0.0	0.0	700.0000	2.0000
AKA795	5.0000	0.7000	0.7000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA794	3.0000	0.7000	0.7000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA791	15.0000	1.0000	1.0000	0.5000	2000.0000	0.0	0.0	0.0	1000.0000	1.5000
AKA792	5.0000	1.0000	0.7000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA793	7.0000	1.0000	1.0000	0.5000	700.0000	0.0	0.0	0.0	700.0000	1.5000
62AKA715	7.0000	0.5000	0.7000	0.3000	700.0000	0.0	0.0	0.0	1000.0000	1.5000
AKA709	5.0000	1.0000	1.5000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA708	10.0000	1.0000	1.5000	0.5000	1000.0000	0.0	0.0	0.0	700.0000	1.5000
AKA707	3.0000	0.7000	0.7000	0.3000	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA705	15.0000	1.5000	1.5000	0.7000	2000.0000	0.0	0.0	0.0	1000.0000	1.5000
AKA703	15.0000	2.0000	1.5000	0.7000	1500.0000	0.0	0.0	0.0	700.0000	2.0000
AKA704	5.0000	0.7000	0.7000	0.3000	1500.0000	0.0	0.0	0.0	700.0000	1.5000
AKA701	7.0000	0.7000	0.7000	0.5000	1000.0000	0.0	0.0	0.0	500.0000	1.5000
AKA702	5.0000	0.7000	0.7000	0.3000	1500.0000	0.0	0.0	0.0	300.0000	1.5000
AKA706	2.0000	0.3000	0.7000	0.1000	500.0000	0.0	0.0	0.0	700.0000	1.0000
AKA699	7.0000	0.7000	1.0000	0.5000	1500.0000	0.5000	0.0	0.0	700.0000	1.5000
AKA698	2.0000	0.3000	0.7000	0.3000	1000.0000	0.0	0.0	0.0	700.0000	1.0000
AKA714	3.0000	0.3000	0.7000	0.2000	700.0000	1.0000	0.0	0.0	700.0000	1.5000
AKA710	3.0000	0.5000	0.5000	0.2000	1000.0000	0.0	0.0	0.0	1000.0000	1.5000
AKA711	3.0000	0.3000	0.7000	0.2000	500.0000	0.0	0.0	0.0	700.0000	1.5000
AKA712	3.0000	0.3000	0.5000	0.2000	500.0000	0.0	0.0	0.0	700.0000	1.5000
AKA713	3.0000	0.3000	0.3000	0.1500	700.0000	0.0	0.0	0.0	700.0000	1.5000
AKA717	10.0000	0.7000	0.7000	0.3000	2000.0000	1.5000	0.0	0.0	700.0000	1.5000
AKA716	5.0000	0.5000	0.7000	0.3000	1500.0000	0.0	0.0	0.0	700.0000	1.5000
AKA718	1.5000	0.3000	0.7000	0.1000	300.0000	0.0	0.0	0.0	500.0000	1.5000
AKA719	1.5000	0.2000	0.5000	0.1000	300.0000	0.0	0.0	0.0	700.0000	1.5000
AKA718	15.0000	1.5000	0.7000	0.7000	2000.0000	0.5000	0.0	70.0000	1500.0000	1.5000
AKA717	15.0000	5.0000	2.0000	0.7000	1500.0000	0.0	0.0	100.0000	700.0000	3.0000
AKA715	15.0000	3.0000	2.0000	0.5000	1000.0000	0.7000	0.0	100.0000	700.0000	3.0000
AKA715	15.0000	5.0000	3.0000	0.7000	1500.0000	0.0	0.0	50.0000	700.0000	3.0000
AKA715	15.0000	3.0000	5.0000	0.7000	1500.0000	0.0	0.0	150.0000	700.0000	3.0000
AKA715	15.0000	3.0000	3.0000	0.7000	1500.0000	1.0000	200.0000	300.0000	700.0000	5.0000
AKA715	10.0000	5.0000	3.0000	0.5000	1000.0000	0.0	0.0	150.0000	500.0000	3.0000
AKA715	15.0000	2.0000	2.0000	0.7000	1500.0000	0.0	0.0	50.0000	1000.0000	1.5000
AKA715	15.0000	2.0000	2.0000	0.7000	1500.0000	0.5000	0.0	50.0000	700.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
60/1AKA340	0.0 N	5.0000	30.0000	100.0000	0.0 N	0.0 L	10.0000	10.0000	100.0000	0.0 N
2AKA338	0.0 N	0.0 L	30.0000	70.0000	0.0 L	0.0 L	10.0000	10.0000	70.0000	0.0 N
3AKA337	0.0 N	5.0000	30.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	70.0000	0.0 N
4AKA641	0.0 N	0.0 L	15.0000	70.0000	0.0 N	0.0 L	10.0000	15.0000	70.0000	0.0 N
5AKA639	0.0 N	5.0000	10.0000	70.0000	0.0 N	0.0 L	10.0000	7.0000	150.0000	0.0 N
6AKA640	0.0 N	5.0000	0.0 L	70.0000	0.0 L	0.0 L	0.0 L	0.0 L	30.0000	0.0 N
7AKA803	0.0 L	0.0 L	15.0000	50.0000	0.0 L	0.0 L	20.0000	10.0000	150.0000	0.0 N
8AKA802	0.0 N	30.0000	20.0000	150.0000	150.0000	50.0000	20.0000	30.0000	300.0000	0.0 N
9AKA801	0.0 N	30.0000	50.0000	150.0000	30.0000	50.0000	30.0000	30.0000	500.0000	0.0 N
61/0AKA800	0.0 N	10.0000	30.0000	70.0000	0.0 N	0.0 L	0.0 L	20.0000	100.0000	0.0 N
1AKA799	0.0 N	10.0000	10.0000	30.0000	20.0000	0.0 L	0.0 L	15.0000	70.0000	0.0 N
2AKA798	0.0 N	7.0000	15.0000	20.0000	0.0 L	0.0 L	0.0 L	15.0000	70.0000	0.0 N
3AKA797	0.0 N	10.0000	10.0000	30.0000	20.0000	0.0 L	10.0000	20.0000	300.0000	0.0 N
4AKA796	0.0 N	5.0000	10.0000	30.0000	0.0 L	0.0 L	10.0000	10.0000	200.0000	0.0 N
5AKA795	0.0 N	10.0000	15.0000	50.0000	20.0000	0.0 L	0.0 L	20.0000	30.0000	0.0 N
6AKA794	0.0 N	10.0000	15.0000	50.0000	0.0 N	0.0 L	0.0 L	20.0000	30.0000	0.0 N
7AKA791	0.0 N	15.0000	20.0000	150.0000	30.0000	5.0000	10.0000	20.0000	70.0000	0.0 N
8AKA792	0.0 N	10.0000	30.0000	50.0000	0.0 L	0.0 L	10.0000	20.0000	50.0000	0.0 N
9AKA793	0.0 N	15.0000	30.0000	70.0000	30.0000	0.0 L	10.0000	20.0000	15.0000	0.0 N
62/0AKA715	0.0 N	5.0000	0.0 L	50.0000	0.0 L	0.0 L	0.0 L	7.0000	15.0000	0.0 N
1AKA709	0.0 N	0.0 L	15.0000	100.0000	0.0 L	0.0 L	0.0 L	7.0000	10.0000	0.0 N
2AKA708	0.0 N	10.0000	30.0000	100.0000	20.0000	0.0 L	10.0000	10.0000	20.0000	0.0 N
3AKA707	0.0 N	5.0000	15.0000	7.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	0.0 N
4AKA705	0.0 N	20.0000	30.0000	20.0000	30.0000	7.0000	10.0000	30.0000	70.0000	0.0 N
5AKA703	0.0 N	15.0000	70.0000	50.0000	70.0000	5.0000	10.0000	20.0000	70.0000	0.0 N
6AKA704	0.0 N	7.0000	30.0000	15.0000	0.0 L	0.0 L	0.0 L	15.0000	70.0000	0.0 N
7AKA701	0.0 N	10.0000	30.0000	7.0000	30.0000	0.0 L	10.0000	20.0000	70.0000	0.0 N
8AKA702	0.0 N	70.0000	30.0000	0.0 L	50.0000	0.0 N	10.0000	15.0000	70.0000	0.0 N
9AKA706	0.0 N	0.0 L	10.0000	5.0000	0.0 N	0.0 L	0.0 L	5.0000	15.0000	0.0 N
63/0AKA700	0.0 N	7.0000	15.0000	10.0000	30.0000	0.0 L	10.0000	15.0000	100.0000	0.0 N
1AKA699	0.0 N	0.0 N	10.0000	5.0000	0.0 L	0.0 N	0.0 L	0.0 N	10.0000	0.0 N
2AKA698	0.0 N	5.0000	10.0000	5.0000	0.0 L	0.0 L	0.0 L	0.0 L	10.0000	0.0 N
3AKA714	0.0 N	0.0 L	0.0 L	0.0 L	30.0000	0.0 L	10.0000	5.0000	30.0000	0.0 N
4AKA710	0.0 N	0.0 L	10.0000	5.0000	20.0000	5.0000	10.0000	5.0000	70.0000	0.0 N
5AKA711	0.0 N	0.0 L	10.0000	5.0000	50.0000	0.0 L	0.0 L	0.0 L	20.0000	0.0 N
6AKA712	0.0 N	5.0000	10.0000	0.0 L	30.0000	0.0 L	0.0 L	5.0000	20.0000	0.0 N
7AKA713	0.0 N	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	10.0000	0.0 L	50.0000	0.0 N
8AKA717	0.0 N	10.0000	10.0000	150.0000	20.0000	7.0000	10.0000	10.0000	200.0000	0.0 N
9AKA716	0.0 N	0.0 L	10.0000	0.0 L	0.0 L	0.0 L	10.0000	7.0000	70.0000	0.0 N
44/0AKA719	0.0 N	0.0 N	0.0 L	0.0 L	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N
1AKA718	0.0 N	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	0.0 L	0.0 L	15.0000	0.0 N
2AKI578	0.0 N	70.0000	150.0000	100.0000	30.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
3AKI577	0.0 N	70.0000	300.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
4AKI576	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
5AKI575	0.0 N	50.0000	300.0000	50.0000	70.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
6AKI574	0.0 N	30.0000	200.0000	30.0000	30.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
7AKI572	0.0 N	30.0000	150.0000	150.0000	50.0000	0.0 L	10.0000	70.0000	70.0000	0.0 N
8AKI573	0.0 N	20.0000	70.0000	70.0000	20.0000	0.0 L	10.0000	30.0000	30.0000	0.0 N
9AKI565	0.0 N	30.0000	70.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
65/0AKI566	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	20.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
60/AKA340	10.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
2AKA338	7.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
3AKA337	10.0000	10.0000	200.0000	70.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
4AKA641	7.0000	0.0 L	150.0000	30.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5AKA639	7.0000	0.0 L	200.0000	50.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
6AKA640	7.0000	0.0 L	200.0000	30.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
7AKA803	7.0000	0.0 L	150.0000	70.0000	0.0 N	70.0000	500.0000	70.0000	0.0200L
8AKA802	20.0000	10.0000	200.0000	150.0000	0.0 N	150.0000	1500.0000	300.0000	0.0200L
9AKA801	15.0000	30.0000	200.0000	150.0000	0.0 N	70.0000	1000.0000	200.0000	0.0200L
6/0AKA800	1000.0000	1000.0000	150.0000	100.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
1AKA799	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
2AKA798	15.0000	0.0 N	200.0000	100.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
3AKA797	15.0000	0.0 N	300.0000	100.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
4AKA796	15.0000	0.0 L	300.0000	70.0000	0.0 N	30.0000	500.0000	100.0000	0.0200L
5AKA795	7.0000	0.0 N	200.0000	50.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
6AKA794	7.0000	0.0 N	200.0000	50.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
7AKA791	15.0000	0.0 L	200.0000	150.0000	0.0 N	50.0000	500.0000	300.0000	0.0200L
8AKA792	15.0000	0.0 L	200.0000	100.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
9AKA793	15.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
620AKA715	7.0000	0.0 M	150.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
1AKA709	10.0000	0.0 N	100.0000	150.0000	0.0 N	70.0000	0.0 L	300.0000	0.0200L
2AKA708	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
3AKA707	7.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
4AKA705	20.0000	0.0 N	300.0000	150.0000	0.0 N	50.0000	0.0 L	150.0000	0.0200L
5AKA703	20.0000	15.0000	300.0000	150.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
6AKA704	7.0000	0.0 L	200.0000	50.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
7AKA701	10.0000	0.0 L	200.0000	70.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
8AKA702	7.0000	0.0 L	150.0000	50.0000	0.0 N	30.0000	0.0 L	150.0000	0.0800
9AKA706	5.0000	0.0 N	200.0000	20.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
430AKA700	15.0000	0.0 L	300.0000	100.0000	0.0 N	30.0000	300.0000	150.0000	0.0200L
1AKA699	5.0000	0.0 N	200.0000	20.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
2AKA698	5.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
3AKA714	5.0000	0.0 N	150.0000	20.0000	0.0 N	30.0000	0.0 N	1000.0000	0.0200L
4AKA710	10.0000	10.0000	100.0000	20.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
5AKA711	0.0 L	0.0 L	100.0000	20.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
6AKA712	0.0 L	0.0 N	100.0000	20.0000	0.0 N	15.0000	0.0 N	150.0000	0.0200L
7AKA713	5.0000	0.0 L	100.0000	20.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
8AKA717	10.0000	0.0 N	100.0000	70.0000	0.0 N	30.0000	700.0000	150.0000	0.0200L
9AKA716	10.0000	0.0 L	200.0000	30.0000	0.0 N	30.0000	200.0000	700.0000	0.0200L
640AKA719	0.0 L	0.0 L	100.0000	15.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
1AKA718	0.0 L	0.0 N	100.0000	15.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
1AKI578	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
3AKI577	20.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4AKI576	20.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
5AKI575	30.0000	0.0 N	700.0000	200.0000	0.0 N	50.0000	0.0 L	200.0000	0.0200L
4AKI574	20.0000	0.0 N	1000.0000	200.0000	0.0 N	30.0000	0.0 L	100.0000	0.0600
7AKI572	20.0000	0.0 L	1000.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
8AKI573	15.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
9AKI565	20.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
650AKI566	20.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
65 AKI567	10.0000	1.5000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
AKI564	10.0000	3.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	50.0000	700.0000	3.0000
AKI579	10.0000	5.0000	2.0000	0.5000	1000.0000	0.0 L	0.0 L	70.0000	700.0000	3.0000
AKI580	15.0000	7.0000	3.0000	0.7000	1500.0000	0.0 N	200.0000	100.0000	700.0000	3.0000
AKI568	15.0000	5.0000	2.0000	0.7000	1500.0000	0.5000	0.0 L	70.0000	1000.0000	3.0000
AKI569	10.0000	2.0000	1.0000	0.7000	700.0000	0.5000	0.0 N	70.0000	700.0000	1.5000
AKI571	15.0000	5.0000	3.0000	0.7000	1500.0000	0.0 L	300.0000	300.0000	1500.0000	3.0000
AKI570	10.0000	3.0000	1.5000	0.7000	1500.0000	0.7000	0.0 L	70.0000	700.0000	1.5000
AKI590	10.0000	5.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 L	200.0000	700.0000	3.0000
AKI591	10.0000	1.0000	0.5000	0.3000	1500.0000	5.0000	3000.0000	300.0000	300.0000	1.0000
AKI588	15.0000	7.0000	3.0000	0.7000	1500.0000	0.0 L	0.0 L	70.0000	1000.0000	5.0000
AKI589	10.0000	7.0000	2.0000	0.7000	1500.0000	1.5000	0.0 L	100.0000	700.0000	2.0000
AKI587	15.0000	5.0000	2.0000	0.3000	1000.0000	0.5000	0.0 L	150.0000	700.0000	2.0000
AKI596	3.0000	1.0000	0.2000	0.5000	500.0000	0.0 N	0.0 N	30.0000	700.0000	1.0000
AKI597	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	2.0000
AKI595	15.0000	2.0000	1.5000	0.7000	3000.0000	0.0 L	0.0 N	50.0000	1500.0000	1.5000
AKI598	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	1000.0000	1.5000
AKI593	10.0000	2.0000	1.0000	0.7000	2000.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
AKI594	15.0000	3.0000	3.0000	0.7000	2000.0000	0.0 N	0.0 N	20.0000	700.0000	1.0000
AKI592	10.0000	2.0000	5.0000	0.5000	1500.0000	0.0 L	0.0 L	30.0000	500.0000	0.0 L
AKI115	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 L
AKI130	7.0000	1.5000	1.0000	0.7000	2000.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
AKI329	7.0000	1.5000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	1.0000
AKI328	10.0000	2.0000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	20.0000	1000.0000	1.0000
AKI327	7.0000	1.5000	1.5000	0.5000	1000.0000	0.7000	0.0 N	20.0000	700.0000	1.0000
AKI331	7.0000	1.5000	2.0000	0.7000	1500.0000	1.0000	700.0000	20.0000	700.0000	1.0000
AKI332	5.0000	1.5000	0.7000	0.5000	1000.0000	0.0 L	0.0 L	70.0000	1000.0000	1.5000
AKI333	7.0000	1.5000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AKI114	7.0000	1.5000	1.5000	0.5000	1500.0000	0.5000	0.0 N	20.0000	700.0000	1.0000
AKI335	7.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
AKI336	10.0000	1.5000	1.0000	0.7000	3000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AKI113	7.0000	1.5000	1.0000	0.5000	5000.0000	1.0000	0.0 N	30.0000	700.0000	1.0000
AKI337	7.0000	1.5000	2.0000	0.5000	5000.0000	0.7000	200.0000	50.0000	700.0000	1.5000
AKI112	5.0000	1.0000	0.5000	0.3000	5000.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
AKI111	7.0000	1.0000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
AKI109	7.0000	1.0000	0.5000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AKI110	7.0000	1.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AKI338	10.0000	3.0000	2.0000	0.7000	1500.0000	1.5000	0.0 N	70.0000	1500.0000	2.0000
AKI322	5.0000	1.5000	2.0000	0.5000	700.0000	0.0 L	0.0 N	10.0000	300.0000	1.0000
AKI325	3.0000	2.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	15.0000	300.0000	1.5000
AKI326	7.0000	3.0000	1.5000	0.5000	1500.0000	7.0000	0.0 N	50.0000	700.0000	1.5000
AKI323	5.0000	3.0000	1.5000	0.5000	1500.0000	2.0000	0.0 L	70.0000	500.0000	1.5000
AKI342	7.0000	5.0000	1.5000	0.7000	2000.0000	50.0000	200.0000	30.0000	700.0000	1.5000
AKI341	10.0000	5.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	100.0000	700.0000	1.5000
AKI107	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	15.0000	300.0000	0.0 L
AKI108	5.0000	1.5000	0.5000	0.5000	1000.0000	0.7000	0.0 N	50.0000	500.0000	0.0 N
AKI106	10.0000	0.5000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
AKI315	7.0000	1.0000	0.7000	0.7000	2000.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
AKI314	5.0000	1.5000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MD PPM	NB PPM	NI PPM	PB PPM	SB PPM
65 AKI567	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
1 AKI564	0.0 N	20.0000	200.0000	50.0000	30.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
3 AKI579	0.0 N	30.0000	300.0000	70.0000	30.0000	0.0 L	10.0000	150.0000	50.0000	0.0 N
4 AKI580	0.0 N	50.0000	700.0000	70.0000	50.0000	0.0 L	10.0000	200.0000	50.0000	0.0 N
5 AKI568	0.0 N	70.0000	300.0000	70.0000	30.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
6 AKI569	0.0 N	30.0000	150.0000	50.0000	300.0000	0.0 L	10.0000	150.0000	20.0000	0.0 N
7 AKI571	0.0 N	50.0000	500.0000	200.0000	100.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
8 AKI570	0.0 N	70.0000	200.0000	100.0000	50.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
9 AKI590	0.0 N	50.0000	300.0000	70.0000	70.0000	0.0 N	15.0000	200.0000	30.0000	0.0 N
66 AKI591	20.0000	70.0000	70.0000	1500.0000	20.0000	0.0 N	0.0 L	150.0000	15.0000	0.0 N
1 AKI588	0.0 N	70.0000	700.0000	70.0000	100.0000	0.0 N	15.0000	200.0000	30.0000	0.0 N
2 AKI589	0.0 N	70.0000	500.0000	150.0000	50.0000	0.0 L	15.0000	200.0000	70.0000	0.0 N
3 AKI587	0.0 N	30.0000	300.0000	150.0000	20.0000	0.0 N	0.0 L	150.0000	15.0000	0.0 N
4 AKI596	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 N	10.0000	100.0000	10.0000	0.0 N
5 AKI597	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
6 AKI595	0.0 N	50.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	50.0000	0.0 N
7 AKI598	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
8 AKI593	0.0 N	50.0000	150.0000	70.0000	20.0000	0.0 L	15.0000	150.0000	30.0000	0.0 N
9 AKI594	0.0 N	50.0000	20.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	10.0000	0.0 N
67 AKI592	0.0 N	30.0000	20.0000	150.0000	0.0 L	0.0 L	10.0000	30.0000	20.0000	0.0 N
1 AKI115	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000	10.0000	0.0 N
2 AKI330	0.0 N	20.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
3 AKI329	0.0 N	20.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
4 AKI328	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
5 AKI327	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 L	0.0 L	70.0000	30.0000	0.0 N
6 AKI331	0.0 N	20.0000	70.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	20.0000	0.0 N
7 AKI332	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
8 AKI333	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
9 AKI114	0.0 N	15.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	30.0000	0.0 N
68 AKI335	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
1 AKI336	0.0 N	70.0000	100.0000	300.0000	0.0 N	0.0 L	10.0000	150.0000	50.0000	0.0 N
2 AKI113	0.0 N	50.0000	30.0000	300.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
3 AKI337	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	70.0000	0.0 N
4 AKI112	0.0 N	10.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	50.0000	0.0 N
5 AKI111	0.0 N	15.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	50.0000	0.0 N
6 AKI109	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000	50.0000	0.0 N
7 AKI110	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000	50.0000	0.0 N
8 AKI338	0.0 N	30.0000	300.0000	50.0000	20.0000	0.0 L	10.0000	150.0000	50.0000	0.0 N
9 AKI322	0.0 N	15.0000	100.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	30.0000	0.0 N
69 AKI325	0.0 N	15.0000	200.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	70.0000	0.0 N
1 AKI326	0.0 N	20.0000	300.0000	150.0000	20.0000	0.0 L	10.0000	100.0000	50.0000	0.0 N
2 AKI324	0.0 N	30.0000	300.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	100.0000	0.0 N
3 AKI323	0.0 N	20.0000	300.0000	30.0000	0.0 L	0.0 N	10.0000	150.0000	50.0000	0.0 N
4 AKI342	0.0 N	30.0000	700.0000	150.0000	30.0000	0.0 L	10.0000	150.0000	100.0000	0.0 N
5 AKI341	0.0 N	30.0000	700.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
6 AKI107	0.0 N	15.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	50.0000	0.0 N
7 AKI108	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 N	0.0 L	70.0000	30.0000	0.0 N
8 AKI106	0.0 N	15.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
9 AKI315	0.0 N	20.0000	100.0000	100.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AKI314	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
65 AKI567	20.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
AKI564	15.0000	0.0 N	500.0000	150.0000	0.0 N	30.0000	0.0 L	700.0000	0.0200L
AKI579	20.0000	0.0 L	500.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI580	30.0000	0.0 L	700.0000	150.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
AKI568	20.0000	0.0 N	500.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI569	15.0000	0.0 N	200.0000	150.0000	0.0 N	50.0000	0.0 L	70.0000	0.0200L
AKI571	30.0000	0.0 N	700.0000	200.0000	0.0 N	30.0000	0.0 L	20.0000	0.0600
AKI570	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
AKI591	15.0000	0.0 N	500.0000	150.0000	0.0 N	20.0000	300.0000	70.0000	0.0200L
AKI591	7.0000	15.0000	100.0000	100.0000	0.0 N	15.0000	700.0000	70.0000	0.2000
AKI588	30.0000	0.0 N	700.0000	200.0000	0.0 N	30.0000	200.0000	200.0000	0.0400
AKI589	20.0000	10.0000	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI587	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
AKI596	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
AKI597	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKI595	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
AKI598	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
AKI593	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
AKI594	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AKI592	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.1000
AKI115	10.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI330	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKI329	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
AKI328	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AKI327	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.6000
AKI331	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI332	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI333	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKI114	15.0000	0.0 N	200.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI335	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
AKI336	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200
AKI113	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.2000
AKI337	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	300.0000	100.0000	0.1000
AKI112	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
AKI111	15.0000	0.0 N	100.0000	150.0000	0.0 N	10.0000	200.0000	100.0000	0.0200L
AKI109	15.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKI110	15.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
AKI338	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	300.0000	300.0000	0.0200L
AKI322	15.0000	0.0 N	500.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI325	10.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	0.0 L	30.0000	0.0200L
AKI326	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	700.0000	0.0200L
AKI324	15.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKI323	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	30.0000	0.0200L
AKI342	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	700.0000	0.0200L
AKI341	20.0000	0.0 L	500.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI107	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI108	7.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AKI106	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	200.0000	0.0200L
AKI315	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
AKI314	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
701 AK1312	7.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	10.0000	500.0000	0.0 N
2 AK1313	5.0000	1.5000	0.3000	1.0000	1500.0000	0.0 L	0.0 N	30.0000	1000.0000	0.0 L
3 AK1105	7.0000	0.7000	0.5000	0.5000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
4 AK1104	3.0000	1.5000	0.5000	0.3000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	1.0000
5 AK1317	3.0000	3.0000	0.7000	0.3000	1000.0000	1.5000	0.0 N	30.0000	500.0000	1.0000
6 AK1318	3.0000	3.0000	1.0000	0.3000	1500.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
7 AK1319	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	100.0000	700.0000	1.0000
8 AK1321	10.0000	5.0000	1.5000	0.7000	1500.0000	0.5000	0.0 N	30.0000	500.0000	1.5000
9 AK1320	10.0000	5.0000	3.0000	0.7000	1500.0000	0.5000	0.0 N	20.0000	700.0000	1.5000
710 AK1316	5.0000	3.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
1 AK1310	7.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
3 AK1308	7.0000	1.5000	0.5000	0.7000	1500.0000	0.0 L	0.0 L	30.0000	1000.0000	0.0 L
3 AK1311	10.0000	1.5000	0.5000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
4 AK1309	10.0000	1.5000	1.0000	0.7000	2000.0000	1.0000	0.0 N	30.0000	1000.0000	0.0 L
5 AK1306	7.0000	1.5000	0.7000	0.7000	2000.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
6 AK1307	3.0000	2.0000	1.0000	0.5000	300.0000	0.0 L	0.0 N	50.0000	300.0000	0.0 L
7 AK1305	10.0000	5.0000	3.0000	0.5000	1500.0000	1.0000	0.0 L	70.0000	700.0000	2.0000
8 AK1304	10.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 L	70.0000	700.0000	1.5000
9 AK1301	7.0000	3.0000	1.5000	0.5000	700.0000	0.0 L	0.0 L	70.0000	700.0000	1.5000
720 AK1302	10.0000	2.0000	1.0000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	1.5000
1 AK1303	15.0000	2.0000	0.7000	0.7000	1500.0000	1.5000	300.0000	50.0000	500.0000	1.5000
2 AK1300	15.0000	1.5000	1.5000	0.7000	1500.0000	1.0000	0.0 N	0.0 L	300.0000	0.0 L
3 AK1298	7.0000	2.0000	1.5000	0.5000	1500.0000	1.0000	0.0 N	10.0000	300.0000	1.0000
4 AK1299	10.0000	3.0000	1.5000	0.7000	1000.0000	1.5000	200.0000	20.0000	300.0000	2.0000
5 AK1296	15.0000	5.0000	2.0000	0.7000	1500.0000	1.5000	500.0000	70.0000	700.0000	2.0000
6 AK1297	10.0000	5.0000	5.0000	0.5000	1500.0000	0.0 L	0.0 N	70.0000	1000.0000	2.0000
7 AK1294	3.0000	5.0000	2.0000	0.3000	1500.0000	0.0 L	700.0000	150.0000	700.0000	2.0000
8 AK1295	3.0000	3.0000	1.5000	0.5000	1000.0000	0.0 L	300.0000	150.0000	700.0000	2.0000
9 AK1103	5.0000	1.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	20.0000	700.0000	0.0 L
730 AK1102	10.0000	1.0000	0.5000	0.7000	1000.0000	0.0 N	0.0 N	20.0000	700.0000	0.0 N
1 AK1101	10.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	20.0000	500.0000	0.0 L
2 AK1100	3.0000	1.0000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	0.0 N
3 AK1098	5.0000	1.0000	0.7000	0.7000	700.0000	0.0 N	0.0 N	20.0000	700.0000	0.0 L
4 AK1097	3.0000	1.0000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	0.0 N
5 AK1089	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	10.0000	500.0000	0.0 N
6 AK1096	3.0000	1.0000	0.3000	0.5000	700.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
7 AK1273	7.0000	1.5000	0.5000	0.7000	1000.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
8 AK1274	3.0000	1.0000	0.5000	0.5000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
9 AK1095	5.0000	1.5000	0.7000	0.5000	1500.0000	1.5000	0.0 N	30.0000	700.0000	0.0 L
740 AK1090	5.0000	1.0000	0.7000	0.5000	1500.0000	0.7000	200.0000	30.0000	500.0000	0.0 N
1 AK1094	5.0000	1.0000	0.2000	0.5000	700.0000	0.0 N	0.0 N	30.0000	500.0000	0.0 N
2 AK1093	5.0000	1.5000	0.7000	0.5000	1000.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
3 AK1092	3.0000	1.0000	0.7000	0.3000	500.0000	0.0 N	0.0 N	30.0000	300.0000	0.0 N
4 AK1275	5.0000	1.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	0.0 L
5 AK1276	7.0000	1.5000	1.0000	0.5000	1500.0000	0.7000	0.0 N	30.0000	700.0000	0.0 L
6 AK1091	5.0000	1.5000	1.0000	0.5000	1000.0000	0.5000	0.0 N	20.0000	300.0000	0.0 L
7 AK1099	7.0000	1.5000	0.7000	0.7000	1000.0000	0.7000	0.0 N	20.0000	700.0000	0.0 L
8 AK1088	7.0000	2.0000	0.7000	0.7000	1500.0000	0.7000	0.0 N	50.0000	700.0000	0.0 L
9 AK1087	7.0000	1.5000	0.7000	0.3000	1500.0000	0.7000	0.0 N	50.0000	300.0000	1.5000
750 AK1081	5.0000	0.7000	0.3000	0.3000	1500.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
70 AK1312	0.0 N	15.0000	50.0000	30.0000	0.0 N	0.0 L	10.0000	20.0000	15.0000	0.0 N
70 AK1313	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1105	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
70 AK1104	0.0 N	20.0000	200.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	50.0000	0.0 N
70 AK1317	0.0 N	20.0000	300.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	100.0000	0.0 N
70 AK1318	0.0 N	20.0000	300.0000	30.0000	20.0000	0.0 L	10.0000	100.0000	70.0000	0.0 N
70 AK1319	0.0 N	30.0000	200.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
70 AK1321	0.0 N	30.0000	300.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	70.0000	0.0 N
70 AK1320	0.0 N	20.0000	300.0000	70.0000	30.0000	0.0 L	10.0000	150.0000	100.0000	0.0 N
70 AK1316	0.0 N	20.0000	300.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1308	0.0 N	20.0000	300.0000	70.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
70 AK1311	0.0 N	30.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
70 AK1309	0.0 N	20.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1306	0.0 N	50.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1307	0.0 N	10.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000	20.0000	0.0 N
70 AK1305	0.0 N	50.0000	700.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
70 AK1304	0.0 N	30.0000	200.0000	100.0000	20.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
70 AK1301	0.0 N	20.0000	300.0000	70.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1302	0.0 N	30.0000	100.0000	150.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
70 AK1303	0.0 N	50.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	30.0000	150.0000
70 AK1300	0.0 N	70.0000	70.0000	200.0000	20.0000	5.0000	10.0000	150.0000	150.0000	0.0 N
70 AK1298	0.0 N	30.0000	50.0000	100.0000	0.0 N	0.0 L	10.0000	70.0000	150.0000	0.0 N
70 AK1299	0.0 N	20.0000	300.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	200.0000	0.0 N
70 AK1296	0.0 N	70.0000	300.0000	300.0000	20.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
70 AK1297	0.0 N	20.0000	500.0000	70.0000	20.0000	0.0 N	10.0000	150.0000	70.0000	0.0 N
70 AK1294	0.0 N	20.0000	500.0000	30.0000	0.0 L	0.0 N	10.0000	150.0000	30.0000	0.0 N
70 AK1295	0.0 N	15.0000	150.0000	50.0000	20.0000	0.0 L	10.0000	50.0000	20.0000	0.0 N
70 AK1103	0.0 N	20.0000	100.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1102	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
70 AK1101	0.0 N	20.0000	100.0000	30.0000	0.0 N	0.0 L	0.0 L	50.0000	0.0 L	0.0 N
70 AK1098	0.0 N	70.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	70.0000	0.0 N
70 AK1097	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	15.0000	0.0 N
70 AK1089	0.0 N	15.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	200.0000	0.0 N
70 AK1096	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	5.0000	15.0000	0.0 N
70 AK1273	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1274	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
70 AK1095	0.0 N	50.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	20.0000	0.0 N
70 AK1090	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000	30.0000	150.0000
70 AK1094	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000	20.0000	0.0 N
70 AK1093	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000	15.0000	0.0 N
70 AK1092	0.0 N	10.0000	150.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	10.0000	0.0 N
70 AK1275	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
70 AK1276	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	70.0000	100.0000	0.0 N
70 AK1091	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	20.0000	70.0000	0.0 N
70 AK1099	0.0 N	20.0000	300.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000	70.0000	0.0 N
70 AK1088	0.0 N	20.0000	100.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
70 AK1087	0.0 N	30.0000	100.0000	100.0000	0.0 N	5.0000	10.0000	50.0000	30.0000	0.0 N
70 AK1081	0.0 N	50.0000	50.0000	100.0000	0.0 N	7.0000	10.0000	70.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
70 AK1312	15.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1313	15.0000	0.0	100.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1105	15.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1104	15.0000	0.0	150.0000	150.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK1317	15.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	150.0000	0.0200L
AK1318	15.0000	0.0	200.0000	150.0000	0.0	15.0000	300.0000	200.0000	0.0200L
AK1319	15.0000	0.0	300.0000	200.0000	0.0	20.0000	200.0000	70.0000	0.0200L
AK1321	15.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0400
AK1320	15.0000	0.0	300.0000	200.0000	0.0	20.0000	300.0000	100.0000	0.0200L
AK1316	15.0000	0.0	200.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1310	15.0000	0.0	150.0000	300.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1308	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1311	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1309	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1306	15.0000	0.0	200.0000	150.0000	0.0	15.0000	300.0000	200.0000	0.0200L
AK1307	10.0000	0.0	150.0000	100.0000	0.0	10.0000	200.0000	100.0000	0.0200L
AK1305	20.0000	0.0	500.0000	150.0000	0.0	20.0000	200.0000	100.0000	0.0600
AK1304	20.0000	0.0	300.0000	200.0000	0.0	20.0000	0.0	300.0000	0.0200L
AK1301	15.0000	0.0	300.0000	150.0000	0.0	20.0000	0.0	100.0000	0.0200L
AK1302	15.0000	0.0	200.0000	200.0000	0.0	20.0000	0.0	150.0000	0.0200L
AK1303	20.0000	0.0	200.0000	200.0000	0.0	20.0000	300.0000	150.0000	0.0200L
AK1300	15.0000	0.0	300.0000	200.0000	0.0	20.0000	200.0000	100.0000	0.0200L
AK1298	15.0000	0.0	300.0000	100.0000	0.0	10.0000	300.0000	70.0000	0.0200L
AK1299	15.0000	0.0	300.0000	200.0000	0.0	15.0000	300.0000	100.0000	0.0200L
AK1296	20.0000	15.0000	300.0000	200.0000	0.0	20.0000	300.0000	70.0000	0.1000
AK1297	20.0000	0.0	500.0000	150.0000	0.0	20.0000	200.0000	300.0000	0.0800
AK1294	20.0000	10.0000	500.0000	100.0000	0.0	20.0000	0.0	700.0000	0.0800
AK1295	15.0000	0.0	300.0000	150.0000	0.0	20.0000	0.0	200.0000	0.0200L
AK1103	15.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1102	10.0000	0.0	100.0000	150.0000	0.0	10.0000	0.0	100.0000	0.0200L
AK1101	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1100	10.0000	0.0	100.0000	100.0000	0.0	10.0000	0.0	100.0000	0.0200L
AK1098	10.0000	0.0	100.0000	100.0000	0.0	10.0000	0.0	200.0000	0.0200L
AK1097	7.0000	0.0	100.0000	150.0000	0.0	15.0000	200.0000	70.0000	0.0200L
AK1089	15.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1096	10.0000	0.0	100.0000	100.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK1273	15.0000	30.0000	150.0000	150.0000	0.0	15.0000	0.0	200.0000	0.0200L
AK1274	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0400
AK1095	15.0000	0.0	150.0000	200.0000	0.0	15.0000	200.0000	100.0000	0.0200L
AK1090	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0400
AK1094	10.0000	0.0	100.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1093	10.0000	0.0	150.0000	150.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK1092	10.0000	0.0	150.0000	100.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK1275	15.0000	0.0	150.0000	200.0000	0.0	15.0000	0.0	150.0000	0.0200L
AK1276	15.0000	20.0000	200.0000	200.0000	0.0	15.0000	200.0000	70.0000	0.0200L
AK1091	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1099	10.0000	0.0	150.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1088	15.0000	0.0	150.0000	150.0000	0.0	15.0000	200.0000	70.0000	0.0200L
AK1087	15.0000	0.0	200.0000	150.0000	0.0	15.0000	300.0000	70.0000	0.0600
AK1081	10.0000	0.0	150.0000	150.0000	0.0	15.0000	300.0000	70.0000	0.0600

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
75 AKI082	10.0000	1.5000	1.0000	0.5000	700.0000	0.5000	0.0 N	30.0000	300.0000	0.0 L
2 AKI083	10.0000	1.5000	1.5000	0.5000	1500.0000	0.7000	0.0 N	30.0000	300.0000	1.0000
3 AKI080	3.0000	1.0000	0.7000	0.2000	500.0000	0.7000	0.0 M	30.0000	300.0000	1.0000
4 AKI079	5.0000	1.5000	0.7000	0.2000	500.0000	0.5000	0.0 N	30.0000	300.0000	0.0 L
5 AKI078	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
6 AKI075	5.0000	1.0000	0.7000	0.3000	700.0000	0.0 L	0.0 N	30.0000	200.0000	0.0 L
1 AKI077	3.0000	1.0000	1.0000	0.3000	500.0000	0.0 M	0.0 N	0.0 N	200.0000	0.0 N
9 AKI076	3.0000	1.5000	0.7000	0.2000	700.0000	0.0 L	0.0 M	20.0000	300.0000	0.0 L
9 AKI074	3.0000	0.7000	0.7000	0.2000	300.0000	0.0 M	0.0 N	30.0000	300.0000	1.5000
76 AKI073	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 L	0.0 N	10.0000	300.0000	1.5000
1 AKI072	3.0000	1.0000	1.0000	0.5000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
1 AKI0746	3.0000	1.5000	1.5000	0.5000	700.0000	0.0 L	0.0 N	15.0000	300.0000	1.5000
3 AKI0745	3.0000	1.5000	1.0000	0.5000	700.0000	0.0 L	0.0 N	10.0000	700.0000	3.0000
4 AKI0744	7.0000	2.0000	1.5000	0.5000	1000.0000	0.7000	0.0 M	30.0000	700.0000	1.5000
5 AKI0749	3.0000	1.0000	0.7000	0.5000	700.0000	0.5000	0.0 N	10.0000	300.0000	1.5000
1 AKI0743	10.0000	2.0000	1.5000	0.5000	1000.0000	0.5000	0.0 M	0.0 N	700.0000	0.0 L
7 AKI0750	3.0000	1.5000	0.7000	0.7000	700.0000	0.5000	0.0 N	0.0 L	500.0000	2.0000
8 AKI0769	5.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	1.5000
9 AKI0752	3.0000	1.5000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	500.0000	1.0000
77 AKI0754	5.0000	1.0000	0.7000	0.3000	500.0000	0.5000	0.0 N	0.0 L	700.0000	1.5000
1 AKI0755	3.0000	1.0000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	0.0 L
3 AKI0753	5.0000	1.5000	1.0000	0.7000	700.0000	1.0000	0.0 N	0.0 L	500.0000	1.0000
5 AKI0932	5.0000	1.5000	1.5000	0.5000	1000.0000	1.0000	0.0 M	10.0000	300.0000	1.5000
9 AKI0927	5.0000	1.5000	1.0000	0.5000	700.0000	0.7000	0.0 N	0.0 L	300.0000	1.0000
5 AKI0928	7.0000	1.5000	1.5000	0.5000	1000.0000	1.5000	0.0 N	10.0000	500.0000	1.5000
6 AKI0759	5.0000	1.5000	1.5000	0.7000	700.0000	0.0 L	0.0 N	0.0 M	700.0000	0.0 L
7 AKI0929	7.0000	1.5000	1.0000	0.5000	1000.0000	1.0000	0.0 N	10.0000	500.0000	1.5000
9 AKI0926	3.0000	1.5000	0.5000	0.3000	500.0000	1.5000	0.0 N	0.0 N	300.0000	1.5000
1 AKI0756	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	1.0000
78 AKI0757	5.0000	1.5000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	1.5000
1 AKI0758	7.0000	1.5000	2.0000	0.7000	700.0000	1.0000	0.0 M	10.0000	700.0000	1.5000
2 AKI0933	7.0000	1.5000	1.5000	0.5000	1000.0000	1.5000	200.0000	0.0 L	300.0000	1.5000
3 AKI0930	5.0000	1.5000	1.0000	0.5000	1000.0000	0.7000	0.0 N	0.0 L	300.0000	1.5000
4 AKI0760	5.0000	1.5000	1.5000	0.7000	1000.0000	1.5000	0.0 M	10.0000	500.0000	1.5000
5 AKI0931	5.0000	1.0000	1.0000	0.5000	1000.0000	1.5000	0.0 N	0.0 L	300.0000	1.5000
6 AKI0386	5.0000	3.0000	2.0000	0.3000	1000.0000	0.7000	0.0 M	15.0000	300.0000	1.0000
7 AKI0385	3.0000	1.0000	1.5000	0.3000	700.0000	1.0000	0.0 N	15.0000	300.0000	1.5000
8 AKI0751	3.0000	1.5000	1.0000	0.3000	700.0000	0.7000	0.0 M	10.0000	300.0000	1.5000
9 AKI0768	15.0000	2.0000	1.5000	0.7000	700.0000	1.0000	0.0 N	10.0000	500.0000	0.0 L
79 AKI0384	5.0000	1.5000	1.5000	0.3000	700.0000	1.5000	0.0 N	15.0000	300.0000	1.0000
1 AKI0383	3.0000	1.5000	1.5000	0.2000	300.0000	0.0 N	0.0 N	0.0 N	150.0000	0.0 M
2 AKI0382	3.0000	1.5000	1.5000	0.3000	700.0000	1.0000	0.0 N	30.0000	300.0000	1.0000
3 AKI0381	3.0000	1.5000	1.5000	0.3000	700.0000	1.0000	0.0 M	15.0000	300.0000	1.0000
4 AKI0380	7.0000	1.5000	1.5000	0.3000	700.0000	2.0000	0.0 N	20.0000	300.0000	1.0000
5 AKI0379	5.0000	1.5000	1.5000	0.3000	1000.0000	1.5000	0.0 N	20.0000	300.0000	1.0000
6 AKI0378	5.0000	2.0000	2.0000	0.3000	1000.0000	1.5000	0.0 N	15.0000	300.0000	1.0000
7 AKI0377	3.0000	1.0000	1.5000	0.3000	700.0000	1.5000	0.0 N	30.0000	300.0000	0.0 L
8 AKI0376	3.0000	1.0000	1.0000	0.3000	500.0000	1.0000	0.0 M	0.0 L	300.0000	0.0 L
9 AKI0375	3.0000	1.0000	0.7000	0.3000	300.0000	1.5000	0.0 M	0.0 L	300.0000	0.0 L
80 AKI0374	7.0000	3.0000	1.5000	0.5000	700.0000	0.5000	0.0 N	0.0 L	300.0000	0.0 N

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
75 AKI082	0.0 N	10.0000	50.0000	100.0000	0.0 N	10.0000	10.0000	30.0000	20.0000	0.0 N
1 AKI083	0.0 N	30.0000	30.0000	100.0000	0.0 N	15.0000	10.0000	50.0000	50.0000	0.0 N
3 AKI080	0.0 N	10.0000	30.0000	70.0000	0.0 N	0.0 L	0.0 L	30.0000	100.0000	0.0 N
4 AKI079	0.0 N	15.0000	30.0000	70.0000	0.0 N	0.0 L	10.0000	30.0000	100.0000	0.0 N
5 AKI078	0.0 N	0.0 L	15.0000	20.0000	20.0000	0.0 N	10.0000	7.0000	70.0000	0.0 N
6 AKI075	0.0 N	15.0000	30.0000	70.0000	0.0 N	0.0 L	0.0 L	50.0000	50.0000	0.0 N
7 AKI077	0.0 N	10.0000	15.0000	50.0000	0.0 N	0.0 N	0.0 L	15.0000	20.0000	0.0 N
8 AKI076	0.0 N	10.0000	30.0000	50.0000	0.0 N	0.0 L	0.0 L	50.0000	50.0000	0.0 N
9 AKI074	0.0 N	5.0000	15.0000	10.0000	0.0 N	0.0 L	0.0 L	20.0000	20.0000	0.0 N
76 AKI073	0.0 N	7.0000	20.0000	15.0000	30.0000	0.0 N	10.0000	0.0 L	50.0000	0.0 N
1 AKI071	0.0 N	15.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	20.0000	50.0000	0.0 N
2 AKI076	0.0 N	10.0000	30.0000	20.0000	30.0000	0.0 L	10.0000	15.0000	50.0000	0.0 N
3 AKI074	0.0 N	7.0000	20.0000	50.0000	30.0000	0.0 L	10.0000	20.0000	70.0000	0.0 N
4 AKI075	0.0 L	15.0000	70.0000	70.0000	20.0000	0.0 L	10.0000	15.0000	100.0000	0.0 N
5 AKI079	0.0 N	20.0000	30.0000	70.0000	30.0000	0.0 L	0.0 L	20.0000	150.0000	0.0 N
6 AKI074	0.0 N	15.0000	70.0000	30.0000	20.0000	0.0 L	15.0000	15.0000	500.0000	0.0 N
7 AKI075	0.0 N	15.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	20.0000	100.0000	0.0 N
8 AKI076	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 L	0.0 L	15.0000	70.0000	0.0 N
9 AKI072	0.0 N	15.0000	30.0000	30.0000	50.0000	0.0 L	10.0000	15.0000	70.0000	0.0 N
77 AKI075	0.0 N	20.0000	30.0000	70.0000	0.0 N	0.0 L	10.0000	15.0000	100.0000	0.0 N
1 AKI075	0.0 N	7.0000	15.0000	30.0000	20.0000	0.0 L	0.0 L	15.0000	20.0000	0.0 N
2 AKI073	0.0 N	20.0000	50.0000	50.0000	30.0000	0.0 L	0.0 L	20.0000	500.0000	0.0 N
3 AKI0932	0.0 L	15.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	7.0000	150.0000	0.0 N
4 AKI0927	0.0 N	15.0000	50.0000	30.0000	0.0 N	0.0 L	10.0000	10.0000	150.0000	0.0 N
5 AKI0928	0.0 N	20.0000	50.0000	50.0000	0.0 L	0.0 L	10.0000	10.0000	150.0000	0.0 N
6 AKI0759	0.0 N	20.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	20.0000	70.0000	0.0 N
7 AKI0929	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	15.0000	150.0000	0.0 N
8 AKI0926	0.0 N	7.0000	50.0000	70.0000	0.0 N	0.0 L	0.0 L	5.0000	100.0000	0.0 N
9 AKI0756	0.0 N	20.0000	20.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
78 AKI0757	0.0 N	20.0000	50.0000	50.0000	20.0000	0.0 L	10.0000	20.0000	100.0000	0.0 N
1 AKI0758	0.0 N	20.0000	50.0000	100.0000	0.0 L	10.0000	10.0000	30.0000	200.0000	0.0 N
2 AKI0933	15.0000	20.0000	50.0000	150.0000	0.0 L	15.0000	10.0000	15.0000	500.0000	0.0 N
3 AKI0930	0.0 N	15.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	10.0000	150.0000	0.0 N
4 AKI0760	0.0 N	20.0000	30.0000	50.0000	20.0000	5.0000	10.0000	30.0000	70.0000	0.0 N
5 AKI0931	10.0000	15.0000	30.0000	70.0000	0.0 L	7.0000	10.0000	10.0000	200.0000	0.0 N
6 AKI0386	0.0 N	15.0000	20.0000	150.0000	0.0 L	0.0 L	10.0000	15.0000	30.0000	0.0 N
7 AKI0385	0.0 N	15.0000	20.0000	50.0000	0.0 L	0.0 L	10.0000	10.0000	200.0000	0.0 N
8 AKI0751	0.0 N	10.0000	30.0000	70.0000	30.0000	0.0 L	0.0 L	15.0000	150.0000	0.0 N
9 AKI0768	0.0 N	20.0000	70.0000	100.0000	0.0 L	0.0 L	10.0000	20.0000	200.0000	0.0 N
79 AKI0384	0.0 N	15.0000	30.0000	70.0000	0.0 N	5.0000	10.0000	15.0000	150.0000	0.0 N
1 AKI0383	0.0 N	10.0000	15.0000	70.0000	20.0000	0.0 N	0.0 L	5.0000	50.0000	0.0 N
2 AKI0382	0.0 N	15.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	15.0000	300.0000	0.0 N
3 AKI0381	0.0 N	15.0000	30.0000	70.0000	30.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
4 AKI0380	0.0 L	20.0000	50.0000	200.0000	0.0 L	0.0 L	10.0000	15.0000	150.0000	0.0 N
5 AKI0379	20.0000	15.0000	30.0000	150.0000	0.0 L	5.0000	10.0000	15.0000	100.0000	0.0 N
6 AKI0378	20.0000	15.0000	20.0000	70.0000	20.0000	7.0000	10.0000	15.0000	150.0000	0.0 N
7 AKI0377	0.0 N	10.0000	20.0000	150.0000	0.0 L	0.0 L	10.0000	10.0000	300.0000	0.0 N
8 AKI0376	0.0 N	10.0000	15.0000	30.0000	0.0 L	0.0 L	10.0000	10.0000	150.0000	0.0 N
9 AKI0375	0.0 N	15.0000	30.0000	150.0000	0.0 N	10.0000	10.0000	7.0000	150.0000	0.0 N
80 AKI0374	0.0 N	20.0000	50.0000	20.0000	0.0 N	10.0000	0.0 L	15.0000	100.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
75 AKI082	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0800
AKI083	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0800
AKI080	7.0000	0.0 L	200.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI079	7.0000	15.0000	150.0000	70.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
AKI078	7.0000	10.0000	200.0000	30.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
AKI075	7.0000	0.0 N	150.0000	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI077	7.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI076	7.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI074	7.0000	0.0 L	150.0000	50.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
AKI073	10.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKA747	15.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
AKA746	15.0000	0.0 N	300.0000	100.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
AKA745	10.0000	0.0 L	300.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
AKA744	15.0000	20.0000	300.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
AKA749	15.0000	10.0000	200.0000	100.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
AKA743	15.0000	10.0000	300.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
AKA750	15.0000	15.0000	200.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
AKA769	10.0000	10.0000	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKA752	15.0000	15.0000	200.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKA754	10.0000	15.0000	200.0000	100.0000	0.0 N	20.0000	300.0000	150.0000	0.0200L
AKA755	10.0000	0.0 L	300.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKA753	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKA932	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
AKA927	15.0000	10.0000	200.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKA928	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
AKA759	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKA929	15.0000	15.0000	200.0000	150.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
AKA926	15.0000	15.0000	150.0000	100.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
AKA756	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKA757	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKA758	20.0000	30.0000	700.0000	150.0000	0.0 N	20.0000	300.0000	150.0000	0.0200L
AKA933	15.0000	30.0000	200.0000	150.0000	0.0 N	30.0000	500.0000	100.0000	0.0200L
AKA930	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKA760	15.0000	10.0000	300.0000	150.0000	0.0 N	20.0000	300.0000	300.0000	0.0200L
AKA931	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	500.0000	70.0000	0.0200L
AKA386	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKA385	10.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
AKA751	15.0000	15.0000	300.0000	100.0000	0.0 N	15.0000	300.0000	300.0000	0.0200L
AKA768	15.0000	15.0000	300.0000	200.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
AKA384	15.0000	15.0000	300.0000	200.0000	0.0 N	15.0000	300.0000	150.0000	0.0200L
AKA383	15.0000	10.0000	200.0000	70.0000	0.0 N	15.0000	0.0 L	30.0000	0.0200L
AKA382	15.0000	20.0000	300.0000	150.0000	0.0 N	10.0000	300.0000	70.0000	0.0200L
AKA381	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
AKA380	15.0000	15.0000	200.0000	200.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
AKA379	15.0000	20.0000	300.0000	150.0000	0.0 N	20.0000	500.0000	70.0000	0.0200L
AKA378	20.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
AKA377	15.0000	30.0000	300.0000	150.0000	0.0 N	20.0000	700.0000	70.0000	0.0200L
AKA376	10.0000	20.0000	200.0000	150.0000	0.0 N	10.0000	300.0000	70.0000	0.0200L
AKA375	10.0000	20.0000	150.0000	150.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
AKA374	15.0000	15.0000	300.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
80 AKA373	5.0000	2.0000	2.0000	0.3000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000
1 AKA766	7.0000	1.5000	1.5000	0.5000	1000.0000	1.5000	0.0 N	10.0000	500.0000	1.5000
3 AKA761	5.0000	1.5000	1.5000	0.5000	700.0000	1.5000	0.0 N	10.0000	300.0000	1.0000
4 AKA365	7.0000	2.0000	1.5000	0.5000	1500.0000	3.0000	0.0 N	10.0000	500.0000	1.0000
5 AKI145	3.0000	1.5000	1.5000	0.3000	1500.0000	0.7000	0.0 N	10.0000	300.0000	1.0000
6 AKA767	7.0000	1.5000	1.5000	0.7000	700.0000	1.0000	0.0 N	0.0 L	300.0000	0.0 L
7 AKA372	5.0000	2.0000	1.5000	0.5000	1000.0000	2.0000	0.0 N	0.0 L	300.0000	0.0 L
8 AKA367	5.0000	3.0000	1.5000	0.3000	1500.0000	3.0000	0.0 N	30.0000	300.0000	0.0 L
9 AKA371	7.0000	2.0000	1.5000	0.5000	1000.0000	1.0000	0.0 N	10.0000	500.0000	0.0 L
81 AKA368	3.0000	1.5000	1.5000	0.3000	500.0000	0.7000	0.0 N	0.0 L	300.0000	0.0 L
1 AKA369	10.0000	3.0000	1.5000	0.5000	700.0000	0.0 L	0.0 N	10.0000	300.0000	0.0 N
2 AKA370	7.0000	2.0000	1.5000	0.5000	700.0000	0.5000	0.0 N	0.0 L	300.0000	0.0 L
3 AKI146	7.0000	2.0000	1.5000	0.7000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
4 AKI147	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
5 AKA764	5.0000	1.5000	1.5000	0.5000	700.0000	1.0000	0.0 N	10.0000	500.0000	1.0000
7 AKA522	5.0000	1.0000	1.5000	0.5000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
8 AKA765	5.0000	1.5000	1.5000	0.3000	700.0000	0.7000	0.0 L	10.0000	300.0000	0.0 N
9 AKA521	5.0000	1.5000	1.5000	0.3000	700.0000	1.5000	0.0 N	0.0 N	300.0000	0.0 N
82 AKA762	5.0000	1.5000	1.5000	0.7000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	1.0000
9 AKA763	5.0000	1.5000	1.5000	0.5000	1000.0000	1.0000	0.0 N	10.0000	300.0000	1.5000
1 AKA770	5.0000	1.5000	1.0000	0.3000	1000.0000	1.5000	0.0 N	10.0000	300.0000	1.0000
2 AKA771	7.0000	1.5000	1.0000	0.3000	1000.0000	1.0000	0.0 N	10.0000	300.0000	1.0000
3 AKA778	5.0000	1.0000	0.7000	0.3000	1000.0000	1.0000	0.0 N	0.0 L	700.0000	2.0000
4 AKA776	7.0000	1.5000	1.5000	0.3000	1000.0000	1.0000	0.0 N	0.0 L	700.0000	1.5000
5 AKA777	10.0000	1.0000	0.7000	0.3000	1000.0000	0.5000	0.0 N	0.0 L	300.0000	1.5000
6 AKA772	10.0000	1.5000	1.5000	0.5000	1500.0000	0.5000	0.0 N	20.0000	300.0000	2.0000
7 AKA773	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	2.0000
8 AKA774	10.0000	1.5000	1.5000	0.3000	1000.0000	0.7000	0.0 N	0.0 L	500.0000	2.0000
9 AKA775	10.0000	1.5000	0.7000	0.3000	1500.0000	1.0000	0.0 N	100.0000	300.0000	2.0000
83 AKA779	10.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	2.0000
1 AKA780	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
2 AKA781	5.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
3 AKA790	15.0000	3.0000	2.0000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	1.5000
4 AKA782	10.0000	1.5000	1.5000	0.5000	1500.0000	0.7000	0.0 N	0.0 L	300.0000	2.0000
5 AKA783	10.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	2.0000
6 AKA740	10.0000	7.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
7 AKA739	10.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
8 AKA738	3.0000	0.5000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
9 AKA737	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	15.0000	700.0000	1.5000
84 AKA733	3.0000	0.7000	0.5000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	150.0000	1.5000
1 AKA736	3.0000	0.3000	0.3000	0.2000	300.0000	0.0 L	0.0 N	0.0 N	150.0000	3.0000
2 AKA732	10.0000	3.0000	2.0000	0.5000	1000.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
3 AKA734	3.0000	0.3000	0.5000	0.2000	300.0000	0.0 L	0.0 N	0.0 N	150.0000	2.0000
4 AKA735	3.0000	0.5000	0.7000	0.3000	500.0000	1.0000	0.0 N	0.0 N	150.0000	1.0000
5 AKA731	10.0000	1.5000	1.5000	0.5000	1500.0000	1.5000	0.0 N	0.0 L	700.0000	0.0 L
6 AKA730	5.0000	1.0000	1.5000	0.3000	500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
7 AKA728	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 N	100.0000	700.0000	1.5000
8 AKA729	7.0000	1.5000	1.5000	0.5000	1000.0000	0.7000	0.0 N	30.0000	700.0000	1.5000
9 AKA727	10.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
85 AKA726	10.0000	2.0000	2.0000	0.7000	1500.0000	0.5000	0.0 N	15.0000	700.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
80 AK373	0.0 N	15.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
AK376	0.0 N	20.0000	30.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	300.0000	0.0 N
AK3761	0.0 N	20.0000	30.0000	30.0000	0.0 L	5.0000	10.0000	20.0000	300.0000	0.0 N
AK365	0.0 N	20.0000	70.0000	50.0000	0.0 L	5.0000	10.0000	20.0000	500.0000	0.0 N
AK1145	0.0 N	15.0000	10.0000	30.0000	0.0 N	0.0 L	0.0 L	0.0 L	70.0000	0.0 N
AK3767	0.0 N	20.0000	50.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000	150.0000	0.0 N
AK372	0.0 N	15.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	10.0000	700.0000	0.0 N
AK367	0.0 N	20.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	15.0000	1000.0000	0.0 N
AK371	0.0 N	20.0000	70.0000	30.0000	0.0 N	5.0000	10.0000	15.0000	150.0000	0.0 N
AK368	0.0 N	10.0000	20.0000	30.0000	0.0 L	0.0 L	0.0 L	15.0000	150.0000	0.0 N
AK369	0.0 N	20.0000	50.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	150.0000	0.0 N
AK370	0.0 N	15.0000	50.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	150.0000	0.0 N
AK1146	0.0 N	20.0000	50.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	50.0000	0.0 N
AK1147	0.0 N	20.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	15.0000	70.0000	0.0 N
AK3764	0.0 N	20.0000	30.0000	50.0000	20.0000	0.0 L	10.0000	30.0000	300.0000	0.0 N
AK3765	0.0 N	15.0000	20.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000	30.0000	0.0 N
AK322	0.0 N	10.0000	20.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	100.0000	0.0 N
AK321	0.0 N	15.0000	30.0000	70.0000	0.0 N	0.0 L	10.0000	15.0000	300.0000	0.0 N
AK3762	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	20.0000	70.0000	0.0 N
AK3763	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	20.0000	500.0000	0.0 N
AK370	0.0 N	10.0000	30.0000	70.0000	0.0 L	0.0 L	0.0 L	15.0000	700.0000	0.0 N
AK371	0.0 N	15.0000	50.0000	150.0000	30.0000	0.0 L	10.0000	20.0000	150.0000	0.0 N
AK378	0.0 N	10.0000	20.0000	150.0000	30.0000	0.0 L	15.0000	20.0000	50.0000	0.0 N
AK376	0.0 N	15.0000	30.0000	30.0000	20.0000	0.0 L	15.0000	20.0000	70.0000	0.0 N
AK377	0.0 N	15.0000	50.0000	70.0000	30.0000	0.0 L	15.0000	20.0000	70.0000	0.0 N
AK372	0.0 N	15.0000	70.0000	30.0000	30.0000	0.0 L	15.0000	20.0000	150.0000	0.0 N
AK373	0.0 N	7.0000	20.0000	10.0000	30.0000	0.0 L	15.0000	15.0000	30.0000	0.0 N
AK374	0.0 N	10.0000	30.0000	30.0000	30.0000	0.0 L	15.0000	20.0000	100.0000	0.0 N
AK375	0.0 N	20.0000	50.0000	150.0000	0.0 L	0.0 L	15.0000	20.0000	700.0000	0.0 N
AK379	0.0 N	15.0000	20.0000	50.0000	70.0000	0.0 L	15.0000	20.0000	30.0000	0.0 N
AK380	0.0 N	15.0000	20.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
AK381	0.0 N	15.0000	100.0000	50.0000	0.0 L	0.0 L	15.0000	15.0000	70.0000	0.0 N
AK3790	0.0 N	30.0000	30.0000	70.0000	20.0000	0.0 L	10.0000	50.0000	150.0000	0.0 N
AK382	0.0 N	20.0000	30.0000	70.0000	20.0000	0.0 L	15.0000	20.0000	150.0000	0.0 N
AK383	0.0 N	15.0000	30.0000	30.0000	20.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
AK3740	0.0 N	15.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
AK3739	0.0 N	15.0000	50.0000	30.0000	100.0000	0.0 L	10.0000	20.0000	50.0000	0.0 N
AK3738	0.0 N	0.0 L	15.0000	5.0000	30.0000	0.0 L	30.0000	5.0000	70.0000	0.0 N
AK3737	0.0 N	7.0000	30.0000	20.0000	30.0000	0.0 L	30.0000	10.0000	70.0000	0.0 N
AK3733	0.0 N	0.0 L	10.0000	5.0000	0.0 L	0.0 L	15.0000	0.0 L	70.0000	0.0 N
AK3736	0.0 N	0.0 L	10.0000	0.0 L	50.0000	0.0 L	0.0 L	0.0 L	50.0000	0.0 N
AK3732	0.0 N	20.0000	30.0000	20.0000	30.0000	0.0 L	15.0000	15.0000	50.0000	0.0 N
AK3734	0.0 N	0.0 L	10.0000	7.0000	20.0000	0.0 L	20.0000	5.0000	70.0000	0.0 N
AK3735	0.0 N	0.0 L	15.0000	15.0000	30.0000	0.0 L	20.0000	5.0000	70.0000	0.0 N
AK3731	0.0 N	20.0000	30.0000	150.0000	30.0000	7.0000	10.0000	30.0000	500.0000	0.0 N
AK3730	0.0 N	10.0000	30.0000	15.0000	50.0000	0.0 L	10.0000	15.0000	50.0000	0.0 N
AK3728	0.0 N	10.0000	50.0000	10.0000	20.0000	0.0 L	10.0000	10.0000	30.0000	0.0 N
AK3729	0.0 N	15.0000	70.0000	50.0000	20.0000	0.0 L	10.0000	15.0000	70.0000	0.0 N
AK3727	0.0 N	15.0000	50.0000	30.0000	30.0000	5.0000	15.0000	15.0000	50.0000	0.0 N
AK3726	0.0 N	15.0000	20.0000	50.0000	20.0000	7.0000	15.0000	10.0000	300.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
801AKA373	15.0000	0.0 N	500.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKA766	15.0000	70.0000	300.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
AKA761	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
AKA365	15.0000	20.0000	300.0000	200.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
SAK1145	10.0000	0.0 L	300.0000	100.0000	0.0 N	10.0000	200.0000	50.0000	0.0200L
AKA767	15.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
AKA372	15.0000	15.0000	300.0000	150.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
AKA367	15.0000	15.0000	300.0000	200.0000	0.0 N	15.0000	700.0000	70.0000	0.0200L
AKA371	15.0000	10.0000	300.0000	200.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
810AKA368	10.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	200.0000	150.0000	0.0200L
AKA369	15.0000	15.0000	300.0000	300.0000	0.0 N	15.0000	200.0000	200.0000	0.0200L
AKA370	15.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	200.0000	200.0000	0.0200L
AKI1146	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
AKI1147	15.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKA764	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
AKA765	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKA522	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKA521	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	300.0000	100.0000	0.0200L
AKA762	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
820AKA763	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
AKA770	15.0000	30.0000	300.0000	150.0000	0.0 N	15.0000	1500.0000	70.0000	0.0200L
AKA771	15.0000	300.0000	200.0000	150.0000	0.0 N	15.0000	200.0000	700.0000	0.0200L
AKA778	10.0000	10.0000	200.0000	150.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKA776	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
AKA777	15.0000	15.0000	200.0000	150.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
AKA772	15.0000	15.0000	300.0000	200.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
AKA773	15.0000	0.0 L	150.0000	150.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
AKA774	15.0000	0.0 L	300.0000	150.0000	0.0 N	50.0000	0.0 L	100.0000	0.0200L
AKA775	15.0000	30.0000	300.0000	150.0000	0.0 N	20.0000	700.0000	100.0000	0.0200L
830AKA779	15.0000	0.0 L	300.0000	200.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
AKA780	10.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
AKA781	15.0000	20.0000	200.0000	150.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
AKA790	30.0000	15.0000	300.0000	300.0000	0.0 N	30.0000	200.0000	500.0000	0.0200L
AKA782	15.0000	30.0000	300.0000	200.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
AKA783	15.0000	70.0000	300.0000	200.0000	0.0 N	30.0000	300.0000	500.0000	0.0200L
AKA740	15.0000	20.0000	300.0000	100.0000	0.0 N	30.0000	0.0 L	500.0000	0.0200L
AKA739	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
AKA738	10.0000	0.0 L	0.0 L	30.0000	0.0 N	50.0000	0.0 L	500.0000	0.0200L
AKA737	15.0000	10.0000	500.0000	100.0000	0.0 N	50.0000	200.0000	300.0000	0.0200L
840AKA733	5.0000	0.0 L	150.0000	30.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
AKA736	0.0 L	10.0000	0.0 L	15.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
AKA732	20.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
AKA734	0.0 L	0.0 L	0.0 L	20.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
AKA735	5.0000	0.0 L	0.0 L	30.0000	0.0 N	50.0000	200.0000	500.0000	0.0200L
AKA731	20.0000	10.0000	500.0000	150.0000	0.0 N	50.0000	200.0000	100.0000	0.0200L
AKA730	15.0000	10.0000	300.0000	70.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKA728	15.0000	10.0000	300.0000	70.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
AKA729	20.0000	15.0000	300.0000	100.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
AKA727	15.0000	10.0000	300.0000	100.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
850AKA726	15.0000	0.0 L	300.0000	150.0000	0.0 N	50.0000	0.0 L	200.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
85 AK725	7.0000	1.0000	1.5000	0.5000	700.0000	1.0000	0.0 N	50.0000	700.0000	2.0000
AK724	3.0000	0.7000	0.7000	0.2000	500.0000	0.7000	0.0 N	30.0000	500.0000	1.5000
AK723	7.0000	1.0000	1.5000	0.5000	1000.0000	1.0000	0.0 N	0.0 N	700.0000	1.0000
AK722	5.0000	1.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	15.0000	700.0000	1.0000
AK720	5.0000	1.0000	1.0000	0.7000	700.0000	0.0 N	0.0 N	10.0000	300.0000	1.0000
AK721	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	500.0000	0.0 L
AK1556	5.0000	3.0000	2.0000	0.5000	1000.0000	0.0 L	0.0 L	20.0000	500.0000	1.0000
AK1557	10.0000	5.0000	3.0000	0.5000	1500.0000	0.0 L	200.0000	200.0000	700.0000	3.0000
AK1558	7.0000	3.0000	1.5000	0.5000	1000.0000	0.5000	200.0000	30.0000	700.0000	2.0000
AK1559	5.0000	3.0000	2.0000	0.5000	700.0000	0.7000	500.0000	50.0000	700.0000	3.0000
AK1560	7.0000	3.0000	2.0000	0.5000	1000.0000	0.0 L	300.0000	20.0000	700.0000	2.0000
AK1561	5.0000	3.0000	1.5000	0.5000	1000.0000	0.5000	0.0 L	100.0000	700.0000	3.0000
AK1562	15.0000	3.0000	2.0000	0.7000	1000.0000	1.5000	0.0 L	100.0000	700.0000	3.0000
AK1563	15.0000	3.0000	3.0000	0.7000	1000.0000	1.5000	300.0000	150.0000	700.0000	3.0000
AK1581	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 L	300.0000	150.0000	700.0000	3.0000
AK1582	15.0000	3.0000	2.0000	0.5000	1000.0000	1.5000	200.0000	300.0000	700.0000	2.0000
AK1583	10.0000	3.0000	2.0000	0.5000	1000.0000	0.7000	0.0 L	300.0000	700.0000	3.0000
AK1553	5.0000	3.0000	1.5000	0.5000	1000.0000	1.5000	300.0000	500.0000	700.0000	3.0000
AK1586	5.0000	3.0000	2.0000	0.5000	700.0000	0.0 L	0.0 N	300.0000	500.0000	3.0000
AK1585	1.5000	0.7000	1.0000	0.1500	150.0000	0.0 L	0.0 N	500.0000	500.0000	1.5000
AK1584	3.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	300.0000	500.0000	700.0000	3.0000
AK1554	3.0000	2.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 L	700.0000	1000.0000	5.0000
AK1552	10.0000	3.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	100.0000	1000.0000	1.5000
AK1555	10.0000	3.0000	3.0000	0.5000	1500.0000	0.0 L	0.0 L	30.0000	700.0000	1.0000
AK1551	15.0000	7.0000	3.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
AK1550	7.0000	2.0000	1.5000	0.7000	1000.0000	0.5000	0.0 N	50.0000	1000.0000	1.5000
AK1549	15.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	70.0000	1500.0000	1.5000
AK1548	10.0000	1.5000	1.0000	0.7000	1000.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
AK1547	10.0000	2.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
AK1546	10.0000	5.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	700.0000	3.0000
AK1544	15.0000	7.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	100.0000	1500.0000	3.0000
AK1545	10.0000	5.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	100.0000	1000.0000	3.0000
AK1541	15.0000	5.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	200.0000	700.0000	2.0000
AK1543	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	150.0000	700.0000	2.0000
AK1542	15.0000	1.5000	1.0000	0.5000	2000.0000	0.0 L	0.0 N	150.0000	1500.0000	1.5000
AK1375	7.0000	1.5000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	50.0000	700.0000	1.0000
AK1374	5.0000	1.5000	1.0000	0.5000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	0.0 L
AK1372	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.0000
AK1366	10.0000	3.0000	2.0000	0.5000	1000.0000	0.5000	200.0000	150.0000	1000.0000	2.0000
AK1361	5.0000	5.0000	2.0000	0.5000	1500.0000	0.0 L	0.0 N	500.0000	700.0000	2.0000
AK1362	15.0000	2.0000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	200.0000	700.0000	3.0000
AK1363	10.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	300.0000	700.0000	2.0000
AK1364	5.0000	3.0000	2.0000	0.5000	1000.0000	0.0 L	0.0 N	70.0000	700.0000	2.0000
AK1365	2.0000	1.0000	1.5000	0.3000	700.0000	0.5000	0.0 L	150.0000	700.0000	3.0000
AK1358	5.0000	3.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 L	70.0000	700.0000	1.5000
AK1357	3.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	700.0000	300.0000	500.0000	2.0000
AK1359	10.0000	5.0000	2.0000	0.5000	1500.0000	0.0 L	0.0 N	1000.0000	700.0000	1.0000
AK1351	15.0000	5.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 L	150.0000	700.0000	1.5000
AK1350	10.0000	7.0000	3.0000	0.7000	3000.0000	1.0000	500.0000	150.0000	700.0000	2.0000

TABLE 1

SAMPLE	BI PPM	CU PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
85 AKAT25	0.0	10.0000	30.0000	100.0000	20.0000	0.0	10.0000	15.0000	150.0000	0.0
AKAT24	0.0	5.0000	15.0000	70.0000	0.0	0.0	0.0	10.0000	70.0000	0.0
AKAT23	0.0	10.0000	30.0000	30.0000	150.0000	0.0	10.0000	15.0000	200.0000	0.0
AKAT22	0.0	7.0000	50.0000	30.0000	0.0	0.0	10.0000	20.0000	70.0000	0.0
AKAT20	0.0	5.0000	30.0000	5.0000	0.0	0.0	10.0000	20.0000	30.0000	0.0
AKAT21	0.0	0.0	30.0000	5.0000	0.0	0.0	0.0	15.0000	15.0000	0.0
AKI556	0.0	30.0000	30.0000	70.0000	0.0	0.0	0.0	30.0000	30.0000	0.0
AKI557	0.0	50.0000	200.0000	70.0000	50.0000	0.0	10.0000	150.0000	50.0000	0.0
AKI558	0.0	30.0000	150.0000	100.0000	0.0	0.0	10.0000	50.0000	30.0000	0.0
AKI559	0.0	30.0000	100.0000	150.0000	30.0000	0.0	10.0000	30.0000	70.0000	0.0
AKI560	0.0	30.0000	150.0000	150.0000	100.0000	0.0	10.0000	100.0000	70.0000	0.0
AKI561	0.0	30.0000	150.0000	70.0000	30.0000	0.0	10.0000	70.0000	70.0000	0.0
AKI562	0.0	30.0000	150.0000	200.0000	30.0000	0.0	10.0000	100.0000	70.0000	0.0
AKI563	0.0	30.0000	150.0000	200.0000	30.0000	5.0000	10.0000	100.0000	150.0000	0.0
AKI581	0.0	30.0000	100.0000	150.0000	30.0000	0.0	10.0000	50.0000	70.0000	0.0
AKI582	0.0	30.0000	150.0000	200.0000	70.0000	0.0	10.0000	70.0000	70.0000	0.0
AKI583	0.0	30.0000	150.0000	150.0000	50.0000	0.0	10.0000	50.0000	70.0000	0.0
AKI553	0.0	30.0000	150.0000	100.0000	0.0	0.0	10.0000	50.0000	70.0000	0.0
AKI586	0.0	20.0000	70.0000	70.0000	0.0	0.0	10.0000	50.0000	30.0000	0.0
AKI585	0.0	0.0	30.0000	10.0000	20.0000	0.0	0.0	15.0000	30.0000	0.0
AKI584	0.0	30.0000	70.0000	15.0000	100.0000	0.0	10.0000	30.0000	30.0000	0.0
AKI554	0.0	20.0000	70.0000	50.0000	20.0000	0.0	10.0000	50.0000	50.0000	0.0
AKI552	0.0	30.0000	150.0000	70.0000	0.0	0.0	10.0000	100.0000	70.0000	0.0
AKI555	0.0	30.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	30.0000	0.0
AKI551	0.0	100.0000	700.0000	100.0000	20.0000	0.0	10.0000	300.0000	50.0000	0.0
AKI550	0.0	30.0000	150.0000	50.0000	0.0	0.0	10.0000	50.0000	50.0000	0.0
AKI549	0.0	50.0000	150.0000	70.0000	20.0000	0.0	10.0000	150.0000	20.0000	0.0
AKI548	0.0	30.0000	150.0000	70.0000	0.0	0.0	10.0000	150.0000	30.0000	0.0
AKI547	0.0	30.0000	150.0000	70.0000	20.0000	0.0	10.0000	100.0000	20.0000	0.0
AKI546	0.0	50.0000	300.0000	70.0000	30.0000	0.0	15.0000	200.0000	50.0000	0.0
AKI544	0.0	70.0000	500.0000	50.0000	50.0000	0.0	10.0000	200.0000	50.0000	0.0
AKI545	0.0	50.0000	500.0000	70.0000	100.0000	0.0	10.0000	200.0000	30.0000	0.0
AKI541	0.0	30.0000	300.0000	70.0000	30.0000	5.0000	10.0000	150.0000	30.0000	0.0
AKI542	0.0	50.0000	100.0000	100.0000	0.0	5.0000	10.0000	150.0000	30.0000	0.0
AKI375	0.0	30.0000	200.0000	50.0000	0.0	0.0	10.0000	150.0000	10.0000	0.0
AKI374	0.0	20.0000	70.0000	30.0000	0.0	0.0	10.0000	30.0000	15.0000	0.0
AKI372	0.0	30.0000	150.0000	70.0000	0.0	0.0	10.0000	70.0000	50.0000	0.0
AKI366	0.0	30.0000	300.0000	30.0000	20.0000	0.0	10.0000	150.0000	50.0000	0.0
AKI360	0.0	30.0000	500.0000	50.0000	20.0000	0.0	10.0000	150.0000	50.0000	0.0
AKI361	0.0	20.0000	200.0000	20.0000	0.0	0.0	10.0000	50.0000	30.0000	0.0
AKI362	0.0	30.0000	150.0000	30.0000	30.0000	0.0	10.0000	70.0000	50.0000	0.0
AKI363	0.0	30.0000	150.0000	30.0000	20.0000	0.0	10.0000	50.0000	50.0000	0.0
AKI364	0.0	15.0000	150.0000	50.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
AKI365	0.0	7.0000	70.0000	70.0000	30.0000	0.0	10.0000	15.0000	30.0000	0.0
AKI358	0.0	30.0000	200.0000	300.0000	0.0	0.0	10.0000	100.0000	30.0000	0.0
AKI357	0.0	30.0000	70.0000	50.0000	0.0	0.0	10.0000	70.0000	20.0000	0.0
AKI359	0.0	30.0000	300.0000	70.0000	20.0000	0.0	10.0000	150.0000	30.0000	0.0
AKI351	0.0	20.0000	150.0000	70.0000	0.0	0.0	10.0000	70.0000	70.0000	0.0
AKI350	0.0	30.0000	300.0000	70.0000	150.0000	0.0	10.0000	150.0000	50.0000	0.0

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
85 AK725	15.0000	10.0000	300.0000	100.0000	0.0	20.0000	0.0	150.0000	0.0200L
AK724	5.0000	15.0000	15.0000	30.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK723	15.0000	10.0000	500.0000	70.0000	0.0	30.0000	0.0	100.0000	0.0200L
AK722	15.0000	0.0	300.0000	100.0000	0.0	20.0000	0.0	100.0000	0.0200L
AK720	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK721	7.0000	0.0	200.0000	70.0000	0.0	10.0000	0.0	70.0000	0.0200L
AK1556	15.0000	0.0	500.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1557	20.0000	0.0	700.0000	200.0000	0.0	30.0000	0.0	300.0000	0.0200L
AK1558	15.0000	0.0	300.0000	150.0000	0.0	20.0000	0.0	70.0000	0.0200L
AK1559	20.0000	30.0000	700.0000	200.0000	0.0	30.0000	0.0	100.0000	0.0200L
AK1560	20.0000	0.0	700.0000	150.0000	0.0	20.0000	0.0	70.0000	0.0200L
AK1561	15.0000	0.0	700.0000	150.0000	0.0	20.0000	0.0	200.0000	0.0600
AK1562	20.0000	15.0000	500.0000	150.0000	0.0	30.0000	0.0	100.0000	0.1000
AK1563	15.0000	30.0000	500.0000	150.0000	0.0	30.0000	0.0	70.0000	0.1000
AK1581	30.0000	15.0000	500.0000	200.0000	0.0	50.0000	0.0	300.0000	0.0200L
AK1582	15.0000	10.0000	500.0000	150.0000	0.0	20.0000	0.0	300.0000	0.1000
AK1583	15.0000	10.0000	500.0000	150.0000	0.0	20.0000	0.0	200.0000	0.0200L
AK1553	15.0000	10.0000	500.0000	150.0000	0.0	20.0000	0.0	300.0000	0.0400
AK1586	15.0000	0.0	500.0000	150.0000	0.0	20.0000	0.0	70.0000	0.0200L
AK1585	5.0000	0.0	300.0000	20.0000	0.0	10.0000	0.0	100.0000	0.0200L
AK1584	15.0000	0.0	700.0000	70.0000	0.0	20.0000	0.0	1000.0000	0.0200L
AK1554	15.0000	0.0	700.0000	150.0000	0.0	30.0000	0.0	300.0000	0.0200L
AK1552	20.0000	0.0	700.0000	200.0000	0.0	20.0000	200.0000	100.0000	0.0200L
AK1555	20.0000	0.0	700.0000	300.0000	0.0	20.0000	0.0	100.0000	0.0200L
AK1551	30.0000	0.0	500.0000	200.0000	0.0	20.0000	200.0000	150.0000	0.0200L
AK1550	30.0000	0.0	500.0000	300.0000	0.0	20.0000	0.0	200.0000	0.0200L
AK1549	30.0000	0.0	300.0000	300.0000	0.0	30.0000	200.0000	150.0000	0.0200L
AK1548	20.0000	0.0	300.0000	300.0000	0.0	20.0000	0.0	150.0000	0.0200L
AK1547	20.0000	0.0	300.0000	300.0000	0.0	30.0000	0.0	200.0000	0.0200L
AK1546	30.0000	0.0	500.0000	300.0000	0.0	30.0000	300.0000	70.0000	0.0200L
AK1544	30.0000	0.0	700.0000	200.0000	0.0	30.0000	200.0000	70.0000	0.0200L
AK1545	30.0000	0.0	700.0000	150.0000	0.0	30.0000	0.0	70.0000	0.0200L
AK1541	30.0000	0.0	500.0000	200.0000	0.0	50.0000	0.0	300.0000	0.1000
AK1543	15.0000	0.0	500.0000	200.0000	0.0	30.0000	0.0	100.0000	0.0400
AK1542	30.0000	0.0	300.0000	300.0000	0.0	30.0000	200.0000	150.0000	0.0200L
AK1375	20.0000	0.0	200.0000	150.0000	0.0	20.0000	0.0	150.0000	0.0200
AK1374	15.0000	0.0	200.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1372	15.0000	0.0	300.0000	200.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1366	15.0000	0.0	300.0000	150.0000	0.0	20.0000	0.0	100.0000	0.0200L
AK1360	15.0000	10.0000	300.0000	150.0000	0.0	20.0000	0.0	100.0000	0.0200L
AK1361	15.0000	0.0	500.0000	150.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1362	20.0000	0.0	700.0000	200.0000	0.0	30.0000	0.0	100.0000	0.0200L
AK1363	20.0000	0.0	500.0000	200.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1364	15.0000	0.0	500.0000	150.0000	0.0	15.0000	0.0	150.0000	0.0200L
AK1365	5.0000	0.0	500.0000	30.0000	0.0	10.0000	0.0	500.0000	0.8000
AK1358	15.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	70.0000	0.1000
AK1357	15.0000	0.0	300.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1359	15.0000	0.0	500.0000	150.0000	0.0	15.0000	0.0	100.0000	0.0200L
AK1351	15.0000	0.0	500.0000	200.0000	0.0	15.0000	0.0	70.0000	0.0200L
AK1350	15.0000	0.0	500.0000	150.0000	0.0	20.0000	0.0	700.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
901AKI1348	15.0000	5.0000	2.0000	0.5000	1500.0000	1.0000	700.0000	100.0000	500.0000	1.0000
2AKI1351	15.0000	7.0000	2.0000	0.7000	1500.0000	1.5000	1500.0000	150.0000	700.0000	1.0000
3AKI1352	7.0000	3.0000	1.5000	0.5000	1500.0000	1.0000	300.0000	200.0000	700.0000	2.0000
4AKI1349	10.0000	5.0000	2.0000	0.5000	1500.0000	0.0 L	300.0000	200.0000	500.0000	3.0000
5AKI1343	10.0000	7.0000	2.0000	0.7000	1500.0000	0.7000	0.0 N	70.0000	700.0000	1.5000
6AKI1346	10.0000	5.0000	1.5000	0.7000	1500.0000	1.0000	0.0 N	70.0000	700.0000	2.0000
7AKI1347	10.0000	7.0000	3.0000	1.0000	1500.0000	0.7000	0.0 N	1000.0000	1000.0000	2.0000
8AKI1340	15.0000	1.5000	1.5000	0.7000	5000.0000	2.0000	500.0000	150.0000	700.0000	2.0000
91AKI1345	7.0000	3.0000	2.0000	0.7000	1000.0000	0.0 L	0.0 L	20.0000	700.0000	1.5000
1AKI1344	7.0000	5.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	30.0000	500.0000	2.0000
2AKI1339	5.0000	2.0000	2.0000	0.3000	1500.0000	1.0000	0.0 N	30.0000	700.0000	1.0000
3AKI1355	5.0000	3.0000	2.0000	0.3000	1000.0000	0.7000	0.0 N	50.0000	700.0000	1.5000
4AKI1354	3.0000	1.0000	1.0000	0.2000	500.0000	0.0 L	0.0 L	15.0000	1000.0000	2.0000
5AKI1356	1.5000	1.0000	1.0000	0.2000	700.0000	0.5000	0.0 N	10.0000	700.0000	1.0000
6AKI1435	10.0000	3.0000	5.0000	0.5000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	3.0000
7AKI1436	10.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	50.0000	700.0000	2.0000
8AKI1437	7.0000	3.0000	3.0000	0.5000	700.0000	0.5000	0.0 N	70.0000	1000.0000	3.0000
9AKI1438	2.0000	0.7000	1.5000	0.1500	500.0000	1.0000	0.0 N	70.0000	700.0000	3.0000
1AKI1439	1.5000	0.7000	0.7000	0.1500	300.0000	0.5000	0.0 N	30.0000	500.0000	3.0000
2AKI1440	3.0000	0.7000	1.0000	0.2000	300.0000	0.0 L	0.0 L	100.0000	700.0000	3.0000
3AKI1367	1.5000	0.7000	1.5000	0.2000	300.0000	0.0 L	0.0 N	70.0000	700.0000	1.0000
4AKI1371	15.0000	7.0000	3.0000	1.0000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	2.0000
5AKI1368	1.5000	0.7000	1.5000	0.2000	300.0000	0.7000	0.0 N	50.0000	700.0000	1.0000
6AKI1369	3.0000	1.0000	1.5000	0.2000	500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
7AKI1448	15.0000	3.0000	2.0000	0.7000	1500.0000	3.0000	3000.0000	150.0000	700.0000	5.0000
8AKI1370	2.0000	0.7000	1.5000	0.1500	500.0000	0.0 L	0.0 N	50.0000	700.0000	1.5000
9AKI1442	10.0000	1.5000	1.5000	0.5000	700.0000	1.0000	0.0 L	50.0000	500.0000	1.5000
1AKI1441	1.0000	0.5000	1.0000	0.1000	200.0000	0.0 L	0.0 L	150.0000	700.0000	3.0000
2AKI1443	1.5000	0.7000	1.0000	0.2000	150.0000	0.0 L	0.0 L	70.0000	700.0000	3.0000
3AKI1444	3.0000	1.0000	1.0000	0.3000	700.0000	0.7000	0.0 N	100.0000	700.0000	3.0000
4AKI1445	5.0000	2.0000	1.5000	0.5000	1000.0000	1.0000	0.0 L	100.0000	700.0000	3.0000
5AKI1446	3.0000	1.5000	1.5000	0.2000	700.0000	1.5000	3000.0000	70.0000	700.0000	2.0000
6AKI1447	15.0000	3.0000	2.0000	0.7000	2000.0000	0.5000	300.0000	700.0000	700.0000	3.0000
7AKI1373	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	15.0000	700.0000	1.0000
8AKI1377	5.0000	2.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
9AKI1376	3.0000	1.5000	1.5000	0.3000	700.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
1AKI1378	5.0000	1.5000	1.5000	0.3000	700.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L
2AKI1540	15.0000	2.0000	3.0000	0.7000	1500.0000	0.7000	0.0 N	70.0000	700.0000	1.5000
3AKI1539	10.0000	2.0000	5.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
4AKI1538	5.0000	1.5000	1.5000	0.7000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
5AKI1537	7.0000	2.0000	1.5000	0.5000	1500.0000	1.5000	0.0 N	30.0000	700.0000	1.5000
6AKI1536	10.0000	2.0000	0.7000	0.3000	700.0000	0.7000	0.0 N	50.0000	300.0000	1.0000
7AKI1409	3.0000	1.0000	1.5000	0.3000	700.0000	1.5000	0.0 N	50.0000	500.0000	0.0 L
8AKI1410	3.0000	1.5000	0.7000	0.3000	1000.0000	0.0 L	300.0000	20.0000	300.0000	1.0000
9AKI1411	10.0000	2.0000	1.5000	0.7000	1000.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000
1AKI1412	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	30.0000	500.0000	1.5000
2AKI1413	5.0000	3.0000	1.0000	0.3000	1000.0000	1.0000	0.0 N	30.0000	500.0000	1.5000
3AKI1414	5.0000	2.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	30.0000	500.0000	1.0000
4AKI1416	7.0000	1.5000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	70.0000	500.0000	1.0000
5AKI1415	7.0000	1.5000	1.5000	0.3000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
90 /AKI348	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	50.0000	50.0000	0.0 N
2AKI353	0.0 N	30.0000	500.0000	300.0000	0.0 L	0.0 L	10.0000	150.0000	50.0000	0.0 N
3AKI352	0.0 N	20.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000	70.0000	0.0 N
4AKI349	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000	50.0000	0.0 N
5AKI343	0.0 N	50.0000	700.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
6AKI346	0.0 N	300.0000	300.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	30.0000	0.0 N
7AKI347	0.0 N	50.0000	150.0000	150.0000	30.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
8AKI340	0.0 N	30.0000	150.0000	200.0000	20.0000	0.0 L	10.0000	150.0000	100.0000	0.0 N
9AKI345	0.0 N	20.0000	150.0000	50.0000	20.0000	0.0 L	10.0000	70.0000	30.0000	0.0 N
10AKI344	0.0 N	30.0000	300.0000	30.0000	30.0000	0.0 L	10.0000	100.0000	30.0000	0.0 N
11AKI339	0.0 N	20.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	50.0000	50.0000	0.0 N
2AKI355	0.0 N	15.0000	200.0000	150.0000	20.0000	0.0 N	10.0000	100.0000	50.0000	0.0 N
3AKI354	0.0 N	10.0000	50.0000	150.0000	0.0 L	0.0 N	0.0 L	15.0000	30.0000	0.0 N
4AKI356	0.0 N	0.0 L	30.0000	100.0000	0.0 L	0.0 N	0.0 L	150.0000	50.0000	0.0 N
5AKI435	0.0 N	30.0000	150.0000	150.0000	100.0000	0.0 L	10.0000	50.0000	30.0000	0.0 N
6AKI436	0.0 N	20.0000	70.0000	100.0000	20.0000	0.0 N	10.0000	30.0000	30.0000	0.0 N
7AKI437	0.0 N	20.0000	150.0000	70.0000	70.0000	0.0 N	0.0 L	20.0000	30.0000	0.0 N
8AKI438	0.0 N	0.0 L	10.0000	100.0000	50.0000	0.0 N	0.0 L	15.0000	50.0000	0.0 N
9AKI439	0.0 N	0.0 L	15.0000	150.0000	70.0000	0.0 N	10.0000	10.0000	30.0000	0.0 N
10AKI440	0.0 N	5.0000	20.0000	70.0000	20.0000	10.0000	0.0 L	15.0000	30.0000	0.0 N
11AKI367	0.0 N	5.0000	50.0000	20.0000	0.0 L	0.0 N	0.0 L	15.0000	30.0000	0.0 N
2AKI371	0.0 N	70.0000	700.0000	70.0000	30.0000	5.0000	15.0000	200.0000	30.0000	0.0 N
3AKI368	0.0 N	0.0 L	50.0000	70.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	0.0 N
4AKI369	0.0 N	0.0 L	70.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	50.0000	0.0 N
5AKI448	0.0 N	30.0000	150.0000	500.0000	50.0000	5.0000	15.0000	70.0000	300.0000	0.0 L
6AKI370	0.0 N	0.0 L	50.0000	30.0000	20.0000	0.0 N	10.0000	10.0000	50.0000	0.0 N
7AKI442	0.0 N	30.0000	70.0000	100.0000	20.0000	0.0 L	15.0000	30.0000	50.0000	0.0 N
8AKI441	0.0 N	5.0000	10.0000	10.0000	30.0000	0.0 N	0.0 L	7.0000	30.0000	0.0 N
9AKI443	0.0 N	0.0 L	15.0000	5.0000	0.0 L	0.0 N	0.0 L	10.0000	30.0000	0.0 N
10AKI444	0.0 N	0.0 L	30.0000	30.0000	150.0000	0.0 N	10.0000	10.0000	30.0000	0.0 N
11AKI445	0.0 N	20.0000	70.0000	70.0000	50.0000	0.0 L	0.0 L	30.0000	70.0000	0.0 N
2AKI446	0.0 N	30.0000	70.0000	200.0000	20.0000	0.0 N	0.0 L	30.0000	30.0000	0.0 N
3AKI447	0.0 N	30.0000	150.0000	150.0000	30.0000	0.0 L	15.0000	70.0000	70.0000	0.0 N
4AKI373	0.0 N	50.0000	100.0000	100.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
5AKI377	0.0 N	20.0000	300.0000	50.0000	20.0000	0.0 N	10.0000	100.0000	30.0000	0.0 N
6AKI376	0.0 N	15.0000	150.0000	15.0000	0.0 L	0.0 N	0.0 L	50.0000	20.0000	0.0 N
7AKI378	0.0 N	20.0000	70.0000	50.0000	0.0 N	0.0 L	0.0 L	50.0000	20.0000	0.0 N
8AKI540	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	50.0000	100.0000
9AKI539	0.0 N	30.0000	50.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000	30.0000	0.0 N
10AKI538	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	100.0000	30.0000	0.0 N
11AKI537	0.0 N	100.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000	100.0000	0.0 N
2AKI536	0.0 N	15.0000	100.0000	50.0000	0.0 L	0.0 N	0.0 L	50.0000	100.0000	0.0 N
3AKI409	0.0 N	10.0000	150.0000	30.0000	20.0000	0.0 L	0.0 L	30.0000	150.0000	0.0 N
4AKI410	0.0 N	20.0000	150.0000	150.0000	0.0 N	0.0 L	10.0000	150.0000	50.0000	0.0 N
5AKI411	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 L	10.0000	100.0000	30.0000	0.0 N
6AKI412	0.0 N	20.0000	700.0000	150.0000	30.0000	0.0 L	10.0000	150.0000	70.0000	0.0 N
7AKI413	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 N	10.0000	70.0000	30.0000	0.0 N
8AKI414	0.0 N	50.0000	70.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000	30.0000	0.0 N
9AKI416	0.0 N	70.0000	150.0000	200.0000	0.0 L	0.0 L	10.0000	150.0000	70.0000	0.0 N
10AKI415	0.0 N	70.0000	150.0000	200.0000	0.0 L	0.0 L	10.0000	150.0000	70.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
90/AKI348	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0400
2AKI353	15.0000	10.0000	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0800
3AKI352	15.0000	10.0000	300.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0600
4AKI349	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
5AKI343	20.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
6AKI346	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
7AKI347	20.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
8AKI340	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
9AKI345	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
91/AKI344	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
/AKI339	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
2AKI355	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0600
3AKI354	5.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000	0.0 N	500.0000	1.0000
4AKI356	5.0000	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 N	200.0000	0.5000
5AKI435	20.0000	0.0 N	1000.0000	150.0000	0.0 N	30.0000	200.0000	70.0000	0.0800
6AKI436	15.0000	0.0 N	700.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.1000
7AKI437	15.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 N	100.0000	0.1000
8AKI438	0.0 L	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 N	200.0000	0.2000
9AKI439	0.0 L	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 N	500.0000	1.1000
92/AKI440	0.0 L	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 N	200.0000	0.5000
/AKI367	5.0000	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 N	150.0000	0.1000
2AKI371	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	700.0000	0.0400
3AKI368	7.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 L	500.0000	0.0600
4AKI369	7.0000	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 L	500.0000	0.0200L
5AKI448	15.0000	0.0 L	700.0000	200.0000	0.0 N	30.0000	300.0000	150.0000	0.4000
6AKI370	7.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 L	100.0000	0.1400
7AKI442	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 N	100.0000	0.0600
8AKI441	0.0 L	0.0 N	700.0000	20.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
9AKI443	0.0 L	0.0 N	700.0000	20.0000	0.0 N	10.0000	0.0 N	150.0000	0.4000
93/AKI444	5.0000	0.0 N	500.0000	50.0000	0.0 N	20.0000	200.0000	300.0000	0.0800
/AKI445	15.0000	0.0 N	700.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.1000
2AKI446	10.0000	0.0 N	500.0000	50.0000	0.0 N	30.0000	0.0 N	300.0000	0.0800
3AKI447	20.0000	0.0 N	700.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000	0.0800
4AKI373	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0800
5AKI377	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
6AKI376	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
7AKI378	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
8AKI540	20.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
9AKI539	15.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
94/AKI538	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
/AKI537	15.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
2AKI536	15.0000	0.0 N	300.0000	150.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
3AKI409	10.0000	0.0 L	300.0000	70.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
4AKI410	10.0000	0.0 L	300.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200
5AKI411	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
6AKI412	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.5000
7AKI413	15.0000	10.0000	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8AKI414	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
9AKI416	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
95/AKI415	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
95 AK1418	5.0000	1.5000	1.0000	0.3000	700.0000	0.0 N	200.0000	150.0000	500.0000	1.0000
AK1282	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 L	0.0 L	50.0000	700.0000	1.0000
AK1283	15.0000	3.0000	1.5000	0.7000	2000.0000	7.0000	0.0 L	50.0000	700.0000	1.0000
AK1284	7.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	300.0000	50.0000	1000.0000	1.5000
AK1285	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	15.0000	700.0000	1.0000
AK1286	10.0000	3.0000	1.0000	0.7000	3000.0000	2.0000	0.0 N	30.0000	300.0000	1.0000
AK1287	5.0000	3.0000	2.0000	0.5000	1000.0000	0.0 N	200.0000	150.0000	1000.0000	1.5000
AK1289	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 L	50.0000	700.0000	1.0000
AK1288	10.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	200.0000	100.0000	700.0000	2.0000
AK1291	10.0000	2.0000	1.5000	0.7000	700.0000	0.5000	0.0 L	30.0000	700.0000	1.5000
AK1290	5.0000	3.0000	1.5000	0.5000	1000.0000	0.0 N	300.0000	100.0000	700.0000	1.5000
AK1292	10.0000	3.0000	2.0000	0.7000	1000.0000	0.7000	300.0000	100.0000	700.0000	1.5000
AK1293	3.0000	3.0000	1.5000	0.5000	1000.0000	0.5000	0.0 L	50.0000	700.0000	1.5000
AK1281	7.0000	1.5000	0.7000	0.5000	1500.0000	1.0000	0.0 N	30.0000	700.0000	1.0000
AK1277	5.0000	1.5000	1.5000	0.7000	1500.0000	1.0000	0.0 N	20.0000	700.0000	1.0000
AK1278	7.0000	2.0000	1.5000	0.7000	1500.0000	1.0000	0.0 N	30.0000	700.0000	1.0000
AK1279	7.0000	1.5000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	0.0 L
AK1280	5.0000	1.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	50.0000	700.0000	1.0000
AK1086	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 L
AK1420	15.0000	1.5000	0.7000	0.5000	1500.0000	1.0000	0.0 N	150.0000	500.0000	1.0000
AK1085	7.0000	1.5000	1.5000	0.5000	2000.0000	0.0 L	0.0 N	50.0000	300.0000	1.5000
AK1084	7.0000	1.5000	0.7000	0.5000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.0000
AK1424	15.0000	1.5000	1.0000	0.5000	700.0000	1.0000	1500.0000	300.0000	300.0000	0.0 L
AK1423	5.0000	1.5000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	200.0000	300.0000	0.0 L
AK1422	10.0000	1.5000	0.7000	0.5000	1500.0000	1.5000	300.0000	30.0000	500.0000	1.5000
AK1421	7.0000	1.5000	0.7000	0.3000	2000.0000	0.0 L	200.0000	200.0000	300.0000	1.0000
AK1419	10.0000	1.5000	1.0000	0.5000	1500.0000	0.5000	200.0000	50.0000	500.0000	1.5000
AK1425	7.0000	1.5000	1.0000	0.7000	1000.0000	0.0 L	300.0000	200.0000	300.0000	1.0000
AK1426	7.0000	1.0000	1.0000	0.5000	700.0000	0.0 L	300.0000	150.0000	300.0000	1.0000
AK1417	10.0000	1.5000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	50.0000	500.0000	0.0 L
AK1427	3.0000	0.7000	0.7000	0.3000	500.0000	0.0 N	0.0 L	30.0000	300.0000	1.5000
AK1406	5.0000	1.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	30.0000	300.0000	0.0 N
AK1407	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 L	0.0 N	15.0000	300.0000	1.0000
AK1408	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	50.0000	300.0000	1.0000
AK1387	1.0000	0.5000	0.7000	0.1000	300.0000	0.0 L	0.0 N	0.0 N	300.0000	1.0000
AK1388	10.0000	1.5000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	50.0000	700.0000	1.0000
AK1389	10.0000	1.5000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	15.0000	500.0000	1.0000
AK1405	3.0000	1.5000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	1.0000
AK1391	3.0000	1.5000	1.0000	0.2000	500.0000	0.5000	0.0 N	0.0 L	300.0000	1.5000
AK1392	3.0000	1.5000	1.5000	0.3000	700.0000	0.0 N	0.0 N	10.0000	300.0000	1.5000
AK1390	3.0000	1.0000	0.7000	0.2000	300.0000	0.0 N	0.0 N	0.0 N	300.0000	1.0000
AK1404	5.0000	1.0000	1.5000	0.3000	1000.0000	0.5000	0.0 L	20.0000	300.0000	1.0000
AK1401	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 L	50.0000	300.0000	1.5000
AK1402	7.0000	1.5000	1.5000	0.3000	1000.0000	1.5000	300.0000	30.0000	500.0000	1.0000
AK1403	7.0000	1.5000	1.0000	0.3000	1000.0000	1.5000	300.0000	20.0000	300.0000	1.0000
AK1399	3.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
AK1398	3.0000	1.0000	1.5000	0.3000	700.0000	0.0 L	0.0 N	30.0000	300.0000	1.5000
AK1397	3.0000	1.0000	1.5000	0.2000	700.0000	0.0 L	0.0 N	30.0000	500.0000	1.5000
AK1393	5.0000	1.5000	1.5000	0.3000	700.0000	0.0 L	0.0 N	10.0000	300.0000	1.5000
AK1400	3.0000	0.7000	1.0000	0.2000	700.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	HQ PPM	NB PPM	NI PPM	PB PPM	SB PPM
57 AKI1418	0.0	20.0000	150.0000	50.0000	0.0	0.0	10.0000	70.0000	30.0000	0.0
2 AKI1282	0.0	30.0000	300.0000	70.0000	0.0	0.0	10.0000	150.0000	30.0000	0.0
3 AKI1283	0.0	30.0000	150.0000	70.0000	0.0	0.0	10.0000	150.0000	700.0000	0.0
4 AKI1284	0.0	20.0000	300.0000	70.0000	0.0	0.0	10.0000	150.0000	20.0000	0.0
5 AKI1285	0.0	15.0000	50.0000	30.0000	0.0	0.0	10.0000	30.0000	30.0000	0.0
6 AKI1286	0.0	30.0000	150.0000	300.0000	0.0	0.0	10.0000	100.0000	100.0000	0.0
7 AKI1287	0.0	20.0000	300.0000	50.0000	20.0000	0.0	10.0000	100.0000	30.0000	0.0
8 AKI1288	0.0	20.0000	150.0000	50.0000	0.0	0.0	10.0000	50.0000	30.0000	0.0
9 AKI1289	0.0	30.0000	300.0000	70.0000	20.0000	0.0	10.0000	150.0000	30.0000	0.0
AKI1291	0.0	15.0000	150.0000	100.0000	0.0	0.0	10.0000	100.0000	70.0000	0.0
AKI1290	0.0	15.0000	300.0000	50.0000	0.0	0.0	10.0000	70.0000	20.0000	0.0
AKI1292	0.0	30.0000	300.0000	100.0000	0.0	0.0	10.0000	150.0000	30.0000	0.0
AKI1293	0.0	20.0000	300.0000	30.0000	20.0000	0.0	10.0000	100.0000	30.0000	0.0
AKI1281	0.0	50.0000	100.0000	70.0000	0.0	0.0	10.0000	150.0000	70.0000	0.0
AKI1277	0.0	15.0000	70.0000	30.0000	0.0	0.0	10.0000	50.0000	100.0000	0.0
AKI1278	0.0	15.0000	70.0000	50.0000	0.0	0.0	10.0000	50.0000	100.0000	0.0
AKI1279	0.0	15.0000	150.0000	30.0000	0.0	0.0	10.0000	50.0000	20.0000	0.0
AKI1280	0.0	15.0000	150.0000	30.0000	0.0	0.0	10.0000	50.0000	15.0000	0.0
AKI1086	0.0	10.0000	20.0000	15.0000	0.0	0.0	0.0	30.0000	15.0000	0.0
AKI1420	0.0	70.0000	150.0000	70.0000	0.0	0.0	10.0000	150.0000	50.0000	0.0
AKI1085	0.0	30.0000	50.0000	100.0000	0.0	0.0	10.0000	70.0000	70.0000	0.0
AKI1084	0.0	20.0000	30.0000	70.0000	0.0	0.0	10.0000	30.0000	30.0000	0.0
AKI1424	0.0	20.0000	30.0000	300.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
AKI1423	0.0	15.0000	50.0000	30.0000	0.0	0.0	10.0000	30.0000	50.0000	0.0
AKI1422	0.0	70.0000	150.0000	200.0000	0.0	0.0	10.0000	150.0000	70.0000	0.0
AKI1421	0.0	50.0000	70.0000	150.0000	0.0	0.0	0.0	100.0000	50.0000	0.0
AKI1419	0.0	30.0000	70.0000	150.0000	0.0	0.0	10.0000	100.0000	70.0000	0.0
AKI1425	0.0	50.0000	70.0000	200.0000	0.0	0.0	10.0000	30.0000	30.0000	0.0
AKI1426	0.0	20.0000	50.0000	150.0000	0.0	0.0	10.0000	30.0000	30.0000	0.0
AKI1417	0.0	30.0000	100.0000	100.0000	0.0	0.0	10.0000	70.0000	70.0000	0.0
AKI1427	0.0	10.0000	20.0000	70.0000	0.0	0.0	0.0	30.0000	30.0000	0.0
AKI1406	0.0	15.0000	70.0000	70.0000	0.0	0.0	0.0	30.0000	30.0000	0.0
AKI1407	0.0	10.0000	50.0000	30.0000	0.0	0.0	0.0	15.0000	70.0000	0.0
AKI1408	0.0	15.0000	50.0000	50.0000	0.0	0.0	10.0000	50.0000	30.0000	0.0
AKI1387	0.0	0.0	0.0	7.0000	0.0	0.0	0.0	7.0000	20.0000	0.0
AKI1388	0.0	30.0000	50.0000	70.0000	0.0	10.0000	10.0000	50.0000	30.0000	0.0
AKI1389	0.0	20.0000	70.0000	50.0000	30.0000	0.0	10.0000	20.0000	30.0000	0.0
AKI1405	0.0	10.0000	30.0000	30.0000	0.0	0.0	10.0000	20.0000	30.0000	0.0
AKI1391	0.0	7.0000	30.0000	20.0000	0.0	0.0	10.0000	0.0	50.0000	0.0
AKI1392	0.0	7.0000	50.0000	10.0000	0.0	0.0	10.0000	10.0000	30.0000	0.0
AKI1390	0.0	0.0	20.0000	7.0000	70.0000	0.0	0.0	0.0	10.0000	0.0
AKI1404	0.0	15.0000	20.0000	100.0000	20.0000	0.0	0.0	15.0000	30.0000	0.0
AKI1401	0.0	10.0000	30.0000	70.0000	30.0000	0.0	0.0	15.0000	30.0000	0.0
AKI1402	0.0	20.0000	70.0000	150.0000	0.0	5.0000	10.0000	20.0000	70.0000	0.0
AKI1403	0.0	30.0000	70.0000	200.0000	0.0	0.0	10.0000	20.0000	70.0000	0.0
AKI1399	0.0	10.0000	30.0000	70.0000	0.0	0.0	0.0	15.0000	70.0000	0.0
AKI1398	0.0	7.0000	30.0000	70.0000	0.0	0.0	0.0	15.0000	50.0000	0.0
AKI1397	0.0	5.0000	30.0000	50.0000	20.0000	0.0	0.0	15.0000	50.0000	0.0
AKI1393	0.0	10.0000	30.0000	70.0000	0.0	0.0	10.0000	15.0000	70.0000	0.0
AKI1400	0.0	0.0	15.0000	30.0000	0.0	0.0	0.0	7.0000	30.0000	0.0

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
95 AKI1418	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200
AKI1282	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0400
AKI1283	20.0000	15.0000	200.0000	300.0000	0.0 N	20.0000	700.0000	300.0000	0.0200L
AKI1284	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0800
AKI1285	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1286	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	300.0000	70.0000	0.0200L
AKI1287	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKI1289	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKI1288	20.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
AKI1291	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1290	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	200.0000	0.0400
AKI1292	20.0000	10.0000	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0800
AKI1293	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0600
AKI1281	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
AKI1277	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKI1278	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
AKI1279	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000	100.0000	0.0400L
AKI1280	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
AKI1086	10.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	200.0000	70.0000	0.0200L
AKI1420	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
AKI1085	10.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.1000
AKI1084	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1424	15.0000	10.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI1423	10.0000	0.0 L	200.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
AKI1422	15.0000	10.0000	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1421	15.0000	0.0 L	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200
AKI1419	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
AKI1425	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0400
AKI1426	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	300.0000	0.2000
AKI1417	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0600
AKI1427	7.0000	0.0 N	200.0000	70.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
AKI1406	15.0000	0.0 N	200.0000	100.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
AKI1407	15.0000	0.0 N	150.0000	70.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
AKI1408	15.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
AKI1387	0.0 L	0.0 L	150.0000	15.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
AKI1388	15.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
AKI1389	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
AKI1405	15.0000	0.0 N	200.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1391	10.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
AKI1392	15.0000	0.0 N	300.0000	100.0000	0.0 N	20.0000	0.0 N	100.0000	0.0200L
AKI1390	5.0000	0.0 L	150.0000	30.0000	0.0 N	15.0000	0.0 N	200.0000	0.0200L
AKI1404	10.0000	15.0000	200.0000	100.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
AKI1401	15.0000	10.0000	200.0000	100.0000	0.0 N	50.0000	0.0 N	300.0000	0.0200L
AKI1402	15.0000	30.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0600
AKI1403	15.0000	15.0000	150.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200
AKI1399	15.0000	15.0000	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1398	10.0000	15.0000	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1397	15.0000	15.0000	300.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
AKI1393	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
AKI1400	7.0000	15.0000	150.0000	70.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
1001 AKI1394	2.0000	0.7000	0.7000	0.3000	300.0000	0.0 N	0.0 N	0.0 L	300.0000	1.0000
2 AKI1395	3.0000	1.0000	1.5000	0.3000	300.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
3 AKI1396	3.0000	1.0000	1.5000	0.3000	300.0000	0.0 N	0.0 N	0.0 N	300.0000	0.0 L
4 AKI1383	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	20.0000	300.0000	1.0000
5 AKI1382	7.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	20.0000	300.0000	0.0 L
6 AKI1384	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	15.0000	300.0000	0.0 N
7 AKI1381	7.0000	1.5000	1.5000	0.3000	1500.0000	0.7000	0.0 N	20.0000	300.0000	0.0 L
8 AKI1380	10.0000	2.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	300.0000	0.0 L
9 AKI1379	5.0000	2.0000	2.0000	0.3000	700.0000	0.0 N	0.0 N	15.0000	300.0000	0.0 L
10 AKI1386	7.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	20.0000	300.0000	0.0 L
1 AKI1385	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	15.0000	500.0000	0.0 L
2 AKI1534	15.0000	2.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	15.0000	500.0000	0.0 L
3 AKI1533	15.0000	2.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 L	100.0000	700.0000	0.0 L
4 AKI1535	15.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 L	15.0000	700.0000	1.5000
5 AKI1532	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	700.0000	1.0000
6 AKI1531	15.0000	3.0000	5.0000	0.7000	2000.0000	0.0 N	0.0 N	30.0000	700.0000	1.0000
7 AKI1529	5.0000	1.5000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	20.0000	500.0000	3.0000
8 AKI1530	15.0000	2.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	2.0000
9 AKI1525	15.0000	1.5000	1.5000	0.5000	500.0000	0.0 L	0.0 N	15.0000	500.0000	0.0 N
10 AKI1526	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	20.0000	300.0000	3.0000
1 AKI1528	10.0000	1.5000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	30.0000	300.0000	5.0000
2 AKI1527	7.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	20.0000	700.0000	3.0000
3 AKI1523	15.0000	2.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	15.0000	700.0000	1.5000
4 AKI1524	15.0000	3.0000	1.5000	0.7000	3000.0000	0.0 L	0.0 L	20.0000	700.0000	5.0000
5 AKI1522	10.0000	2.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	15.0000	200.0000	1.5000
6 AKI1500	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	20.0000	500.0000	1.5000
7 AKI1499	15.0000	2.0000	1.5000	0.7000	1500.0000	1.5000	0.0 L	50.0000	300.0000	2.0000
8 AKI1496	15.0000	3.0000	3.0000	0.7000	1500.0000	3.0000	500.0000	50.0000	500.0000	1.5000
9 AKI1495	2.0000	2.0000	1.5000	0.7000	1500.0000	1.5000	300.0000	50.0000	500.0000	1.5000
10 AKI1497	10.0000	1.0000	1.0000	0.5000	1500.0000	0.7000	0.0 N	20.0000	300.0000	3.0000
1 AKI1498	10.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	15.0000	300.0000	2.0000
2 AKI1599	5.0000	1.5000	2.0000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	300.0000	2.0000
3 AKI1600	3.0000	1.0000	1.0000	0.3000	1000.0000	0.7000	0.0 N	10.0000	300.0000	2.0000
4 AKI1487	15.0000	2.0000	2.0000	0.7000	1500.0000	1.0000	0.0 L	20.0000	700.0000	3.0000
5 AKI1488	3.0000	1.5000	2.0000	0.5000	1500.0000	0.0 L	0.0 L	10.0000	700.0000	1.5000
6 AKI1491	5.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	3.0000
7 AKI1492	3.0000	1.0000	1.0000	0.3000	1000.0000	0.5000	0.0 N	0.0 L	300.0000	2.0000
8 AKI1489	7.0000	1.5000	1.5000	0.5000	1500.0000	1.0000	0.0 N	10.0000	300.0000	1.5000
9 AKI1494	7.0000	2.0000	1.5000	0.7000	1500.0000	1.0000	0.0 L	15.0000	700.0000	3.0000
10 AKI1493	5.0000	2.0000	1.5000	0.7000	1500.0000	1.0000	0.0 L	100.0000	700.0000	2.0000
1 AKI1490	15.0000	3.0000	2.0000	0.7000	1500.0000	0.7000	0.0 L	50.0000	700.0000	2.0000
2 AKI4822	7.0000	2.0000	1.5000	0.5000	1500.0000	0.7000	0.0 N	0.0 L	700.0000	1.5000
3 AKI4821	15.0000	3.0000	1.5000	0.7000	1500.0000	1.0000	0.0 N	0.0 L	500.0000	1.0000
4 AKI4819	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
5 AKI4820	5.0000	1.5000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
6 AKI4934	3.0000	0.7000	0.7000	0.2000	700.0000	0.5000	0.0 N	0.0 N	300.0000	1.0000
7 AKI4935	5.0000	1.5000	1.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	1.0000
8 AKI4823	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	2.0000
9 AKI4825	10.0000	2.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	500.0000	3.0000
10 AKI4826	7.0000	2.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
100/ AKI394	0.0 N	0.0 L	15.0000	5.0000	50.0000	0.0 L	0.0 L	0.0 L	30.0000	0.0 N
1 AKI395	0.0 N	5.0000	20.0000	30.0000	20.0000	0.0 N	0.0 L	10.0000	100.0000	0.0 N
3 AKI396	0.0 N	5.0000	20.0000	30.0000	0.0 N	0.0 N	0.0 L	10.0000	50.0000	0.0 N
4 AKI383	0.0 N	15.0000	50.0000	20.0000	0.0 L	0.0 L	10.0000	15.0000	30.0000	0.0 N
5 AKI382	0.0 N	20.0000	50.0000	70.0000	0.0 N	0.0 L	10.0000	30.0000	15.0000	0.0 N
6 AKI384	0.0 N	20.0000	20.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	30.0000	0.0 N
7 AKI381	0.0 N	20.0000	100.0000	100.0000	0.0 N	0.0 L	0.0 L	50.0000	100.0000	0.0 N
8 AKI380	0.0 N	20.0000	50.0000	70.0000	0.0 L	0.0 L	0.0 L	30.0000	30.0000	0.0 N
9 AKI379	0.0 N	15.0000	50.0000	30.0000	0.0 L	0.0 L	0.0 L	20.0000	50.0000	0.0 N
101/ AKI386	0.0 N	30.0000	70.0000	100.0000	0.0 L	5.0000	10.0000	30.0000	30.0000	0.0 N
1 AKI385	0.0 N	30.0000	30.0000	150.0000	0.0 N	5.0000	10.0000	30.0000	30.0000	0.0 N
2 AKI534	0.0 N	30.0000	10.0000	70.0000	0.0 N	0.0 L	10.0000	15.0000	10.0000	0.0 N
3 AKI533	0.0 N	30.0000	10.0000	70.0000	0.0 N	0.0 L	0.0 L	15.0000	10.0000	0.0 N
4 AKI535	0.0 N	70.0000	70.0000	200.0000	0.0 L	0.0 L	0.0 L	150.0000	20.0000	0.0 N
5 AKI532	0.0 N	50.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000	20.0000	0.0 N
6 AKI531	0.0 N	30.0000	30.0000	70.0000	0.0 N	0.0 L	10.0000	30.0000	15.0000	0.0 N
7 AKI529	0.0 N	15.0000	30.0000	15.0000	0.0 N	5.0000	0.0 L	30.0000	15.0000	0.0 N
8 AKI530	0.0 N	30.0000	30.0000	50.0000	300.0000	0.0 L	0.0 L	15.0000	15.0000	0.0 N
9 AKI525	10.0000	30.0000	100.0000	30.0000	50.0000	0.0 N	10.0000	30.0000	70.0000	0.0 N
102/ AKI526	0.0 N	15.0000	10.0000	30.0000	0.0 L	7.0000	0.0 L	30.0000	30.0000	0.0 N
1 AKI528	0.0 N	20.0000	20.0000	30.0000	0.0 L	0.0 L	0.0 L	15.0000	30.0000	0.0 N
2 AKI527	0.0 N	20.0000	20.0000	15.0000	20.0000	0.0 L	10.0000	15.0000	30.0000	0.0 N
3 AKI523	0.0 N	30.0000	50.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
4 AKI524	0.0 N	30.0000	50.0000	50.0000	70.0000	0.0 L	10.0000	30.0000	70.0000	0.0 N
5 AKI522	0.0 N	30.0000	30.0000	20.0000	20.0000	0.0 L	0.0 L	20.0000	30.0000	0.0 N
6 AKI500	0.0 N	30.0000	30.0000	30.0000	30.0000	0.0 L	10.0000	150.0000	150.0000	0.0 N
7 AKI499	10.0000	30.0000	70.0000	300.0000	30.0000	0.0 L	10.0000	20.0000	30.0000	0.0 N
8 AKI496	10.0000	150.0000	150.0000	500.0000	50.0000	0.0 L	10.0000	150.0000	150.0000	0.0 N
9 AKI495	0.0 L	100.0000	100.0000	300.0000	0.0 L	7.0000	10.0000	150.0000	300.0000	0.0 N
103/ AKI497	0.0 N	15.0000	15.0000	30.0000	150.0000	0.0 L	10.0000	15.0000	100.0000	0.0 N
1 AKI498	0.0 N	20.0000	20.0000	10.0000	100.0000	0.0 L	10.0000	15.0000	50.0000	0.0 N
2 AKI599	0.0 N	20.0000	20.0000	15.0000	0.0 L	0.0 L	0.0 L	15.0000	50.0000	0.0 N
3 AKI600	0.0 N	10.0000	10.0000	10.0000	20.0000	0.0 L	0.0 L	7.0000	30.0000	0.0 N
4 AKI487	0.0 N	30.0000	70.0000	100.0000	50.0000	5.0000	10.0000	30.0000	30.0000	0.0 N
5 AKI488	0.0 N	15.0000	10.0000	20.0000	0.0 L	0.0 L	10.0000	10.0000	30.0000	0.0 N
6 AKI491	0.0 N	15.0000	15.0000	20.0000	0.0 L	0.0 L	10.0000	10.0000	30.0000	0.0 N
7 AKI492	0.0 N	10.0000	15.0000	10.0000	0.0 L	0.0 L	0.0 L	7.0000	70.0000	0.0 N
8 AKI489	0.0 N	20.0000	30.0000	50.0000	30.0000	0.0 L	10.0000	15.0000	300.0000	0.0 N
9 AKI494	0.0 N	20.0000	50.0000	70.0000	20.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
104/ AKI493	0.0 N	20.0000	30.0000	100.0000	20.0000	0.0 L	10.0000	30.0000	100.0000	0.0 N
1 AKI490	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 L	0.0 L	10.0000	150.0000	0.0 N
2 AK4822	0.0 N	20.0000	70.0000	70.0000	20.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
3 AK4821	0.0 N	50.0000	50.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	100.0000	0.0 N
4 AK4819	0.0 N	10.0000	20.0000	20.0000	0.0 L	0.0 L	15.0000	20.0000	300.0000	0.0 N
5 AK4820	0.0 N	10.0000	30.0000	30.0000	20.0000	0.0 L	10.0000	10.0000	150.0000	0.0 N
6 AK4934	0.0 N	10.0000	15.0000	7.0000	0.0 L	0.0 L	0.0 L	5.0000	70.0000	0.0 N
7 AK4935	0.0 N	15.0000	50.0000	30.0000	0.0 M	0.0 L	10.0000	15.0000	50.0000	0.0 N
8 AK4823	0.0 N	0.0 N	10.0000	20.0000	20.0000	0.0 L	10.0000	5.0000	70.0000	0.0 N
9 AK4825	0.0 N	15.0000	30.0000	20.0000	150.0000	0.0 L	15.0000	5.0000	70.0000	0.0 N
105/ AK4826	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 N	10.0000	15.0000	30.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
100 / AKI394	7.0000	50.0000	150.0000	30.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
2 AKI395	10.0000	30.0000	300.0000	70.0000	0.0 N	15.0000	200.0000	200.0000	0.0200L
3 AKI396	10.0000	0.0 L	300.0000	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
4 AKI383	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5 AKI382	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 M	100.0000	0.0200L
6 AKI384	15.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
7 AKI381	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	300.0000	70.0000	0.0200L
8 AKI380	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
9 AKI379	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
10 / AKI386	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0400
11 AKI385	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.1000
2 AKI334	15.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	0.0 L	150.0000	0.0400
3 AKI533	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
4 AKI535	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	150.0000	0.0400
5 AKI532	20.0000	0.0 N	500.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
6 AKI531	20.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
7 AKI529	10.0000	0.0 N	300.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
8 AKI530	15.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
9 AKI525	10.0000	0.0 L	200.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
10 / AKI526	7.0000	15.0000	300.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
11 AKI528	15.0000	30.0000	300.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
2 AKI527	10.0000	15.0000	500.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
3 AKI523	15.0000	0.0 N	500.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
4 AKI524	20.0000	15.0000	300.0000	300.0000	0.0 N	70.0000	300.0000	150.0000	0.0200L
5 AKI522	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
6 AKI500	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
7 AKI499	15.0000	10.0000	200.0000	200.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
8 AKI496	20.0000	15.0000	500.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
9 AKI495	15.0000	15.0000	300.0000	150.0000	0.0 N	30.0000	0.0 L	500.0000	0.0200L
10 / AKI497	10.0000	10.0000	200.0000	150.0000	0.0 N	70.0000	0.0 N	300.0000	0.0200L
11 AKI498	10.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
2 AKI599	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000	0.0200L
3 AKI600	7.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4 AKI487	15.0000	15.0000	300.0000	200.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
5 AKI488	7.0000	0.0 N	700.0000	100.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
6 AKI491	7.0000	200.0000	300.0000	50.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
7 AKI492	5.0000	0.0 L	300.0000	50.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
8 AKI489	10.0000	0.0 N	300.0000	150.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
9 AKI494	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	700.0000	150.0000	0.0200L
10 / AKI490	15.0000	10.0000	500.0000	150.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
11 AKI482	15.0000	10.0000	300.0000	150.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
2 AKI822	20.0000	0.0 L	300.0000	300.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
3 AKI821	10.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
4 AKI819	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
5 AKI820	15.0000	0.0 L	300.0000	70.0000	0.0 N	10.0000	0.0 N	100.0000	0.0200L
6 AKI934	7.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
7 AKI935	10.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
8 AKI823	7.0000	0.0 L	100.0000	100.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
9 AKI825	15.0000	0.0 N	500.0000	200.0000	0.0 N	70.0000	200.0000	300.0000	0.0200L
10 / AKI826	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
1057 AKAB18	15.0000	3.0000	2.0000	1.0000	2000.0000	0.5000	0.0 N	30.0000	700.0000	1.5000
2 AKAB17	3.0000	0.7000	0.7000	0.2000	1000.0000	0.0 L	0.0 N	0.0 N	150.0000	1.5000
3 AKAB24	5.0000	0.7000	1.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	300.0000	3.0000
4 AKAB27	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	300.0000	3.0000
5 AKAB28	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	3.0000
6 AKAB33	10.0000	2.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 L	1500.0000	1.0000
7 AKAB32	5.0000	1.0000	1.0000	0.3000	1500.0000	0.7000	0.0 N	0.0 L	500.0000	7.0000
8 AKAB31	7.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	2.0000
9 AKAB34	15.0000	2.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	70.0000	300.0000	1.0000
10 AKAB29	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	300.0000	15.0000
11 AKAB30	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	3.0000
12 AKAB53	7.0000	1.5000	2.0000	0.3000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	2.0000
13 AKAB36	5.0000	0.7000	0.7000	0.5000	1000.0000	0.7000	0.0 N	10.0000	700.0000	2.0000
14 AKAB55	7.0000	0.7000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	500.0000	3.0000
15 AKAB54	7.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	300.0000	3.0000
16 AKAB35	15.0000	3.0000	5.0000	0.7000	2000.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
17 AKAB36	10.0000	1.5000	1.5000	0.5000	1500.0000	1.5000	0.0 N	0.0 N	300.0000	1.5000
18 AKAB77	15.0000	2.0000	1.5000	0.7000	1500.0000	0.5000	0.0 N	0.0 L	700.0000	1.5000
19 AKAB78	5.0000	1.0000	0.7000	0.3000	1000.0000	0.7000	0.0 N	0.0 N	200.0000	1.5000
20 AKAB79	15.0000	3.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
21 AKAB74	10.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	2.0000
22 AKAB75	3.0000	0.7000	0.5000	0.3000	500.0000	0.0 L	0.0 N	0.0 N	200.0000	2.0000
23 AKAB76	15.0000	1.0000	0.7000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
24 AKAB57	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	300.0000	2.0000
25 AKAB56	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
26 AKAB37	15.0000	3.0000	3.0000	1.0000	2000.0000	0.0 L	0.0 N	15.0000	700.0000	3.0000
27 AKAB38	15.0000	2.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	1000.0000	2.0000
28 AKAB58	7.0000	1.0000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
29 AKAB59	5.0000	0.7000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	700.0000	2.0000
30 AKAB52	5.0000	0.3000	0.5000	0.1500	1000.0000	0.0 L	0.0 N	0.0 N	300.0000	2.0000
31 AKAB60	10.0000	0.7000	1.0000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	3.0000
32 AKAB51	5.0000	1.0000	0.7000	0.5000	700.0000	0.0 N	0.0 N	0.0 N	300.0000	1.0000
33 AKAB40	15.0000	3.0000	1.5000	1.0000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
34 AKAB41	3.0000	0.7000	0.7000	0.2000	1000.0000	1.5000	0.0 N	0.0 N	150.0000	1.5000
35 AKAB39	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	700.0000	1.5000
36 AKAB50	3.0000	1.0000	1.5000	0.5000	1500.0000	1.5000	0.0 N	10.0000	300.0000	3.0000
37 AKAB49	5.0000	1.5000	1.5000	0.5000	1000.0000	1.0000	0.0 N	0.0 N	300.0000	1.5000
38 AKAB48	5.0000	1.0000	1.0000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	300.0000	3.0000
39 AKAB47	15.0000	2.0000	1.5000	0.7000	2000.0000	0.0 L	0.0 N	10.0000	700.0000	3.0000
40 AKAB46	7.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	300.0000	1.5000
41 AKAB45	15.0000	1.5000	1.5000	0.7000	2000.0000	0.0 L	0.0 N	0.0 L	500.0000	2.0000
42 AKAB44	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	300.0000	1.0000
43 AKAB43	5.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	15.0000	300.0000	3.0000
44 AKAB42	5.0000	1.0000	1.0000	0.5000	1000.0000	0.0 L	0.0 N	50.0000	300.0000	1.5000
45 AKAB61	7.0000	1.0000	1.5000	0.3000	1500.0000	1.5000	0.0 N	0.0 N	300.0000	3.0000
46 AKAB69	5.0000	1.5000	1.5000	0.5000	1000.0000	1.0000	0.0 N	0.0 N	300.0000	1.5000
47 AKAB68	5.0000	0.7000	0.7000	0.3000	1000.0000	0.7000	0.0 N	0.0 N	300.0000	1.5000
48 AKAB67	7.0000	1.5000	1.5000	0.5000	1500.0000	0.7000	0.0 N	150.0000	300.0000	2.0000
49 AKAB62	5.0000	1.0000	0.7000	0.3000	700.0000	1.0000	0.0 N	50.0000	300.0000	1.5000
50 AKAB63	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	20.0000	200.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
1051 AKA818	0.0 N	30.0000	70.0000	50.0000	150.0000	0.0 L	15.0000	20.0000	70.0000	0.0 N
2 AKA817	0.0 N	0.0 L	10.0000	0.0 L	0.0 L	0.0 L	10.0000	10.0000	70.0000	0.0 N
3 AKA824	0.0 N	0.0 L	30.0000	20.0000	30.0000	0.0 L	15.0000	10.0000	70.0000	0.0 N
4 AKA827	0.0 N	7.0000	20.0000	20.0000	20.0000	0.0 L	15.0000	10.0000	50.0000	0.0 N
5 AKA828	0.0 N	20.0000	20.0000	30.0000	30.0000	5.0000	10.0000	15.0000	30.0000	0.0 N
6 AKA833	0.0 N	15.0000	70.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	300.0000	0.0 N
7 AKA832	0.0 N	5.0000	30.0000	15.0000	20.0000	0.0 L	10.0000	10.0000	70.0000	0.0 N
8 AKA831	0.0 N	10.0000	10.0000	15.0000	50.0000	0.0 L	30.0000	10.0000	50.0000	0.0 N
9 AKA834	0.0 N	15.0000	70.0000	30.0000	150.0000	0.0 L	15.0000	30.0000	70.0000	0.0 N
1061 AKA829	0.0 N	10.0000	15.0000	20.0000	100.0000	0.0 L	15.0000	10.0000	50.0000	0.0 N
1 AKA830	0.0 N	10.0000	30.0000	30.0000	70.0000	0.0 L	15.0000	10.0000	150.0000	0.0 N
2 AKA853	0.0 N	7.0000	30.0000	15.0000	20.0000	0.0 L	15.0000	15.0000	50.0000	0.0 N
3 AKA936	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 L	15.0000	15.0000	70.0000	0.0 N
4 AKA855	0.0 N	7.0000	50.0000	20.0000	20.0000	0.0 L	15.0000	15.0000	70.0000	0.0 N
5 AKA854	0.0 N	0.0 L	10.0000	10.0000	200.0000	0.0 L	20.0000	0.0 L	70.0000	0.0 N
6 AKA835	0.0 N	20.0000	15.0000	30.0000	70.0000	0.0 L	15.0000	10.0000	30.0000	0.0 N
7 AKA836	0.0 N	10.0000	10.0000	20.0000	20.0000	0.0 L	15.0000	7.0000	70.0000	0.0 N
8 AKA877	0.0 N	15.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	100.0000	0.0 N
9 AKA788	0.0 N	20.0000	20.0000	20.0000	30.0000	0.0 L	10.0000	15.0000	100.0000	0.0 N
1070 AKA789	0.0 N	30.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000	70.0000	0.0 N
1 AKA784	0.0 N	10.0000	10.0000	20.0000	20.0000	0.0 L	10.0000	15.0000	70.0000	0.0 N
2 AKA785	0.0 N	0.0 L	0.0 L	5.0000	20.0000	0.0 N	0.0 L	0.0 L	70.0000	0.0 N
3 AKA786	0.0 N	10.0000	15.0000	15.0000	30.0000	0.0 L	10.0000	15.0000	50.0000	0.0 N
4 AKA857	0.0 N	0.0 L	10.0000	7.0000	150.0000	0.0 L	15.0000	5.0000	30.0000	0.0 N
5 AKA856	0.0 N	5.0000	10.0000	7.0000	30.0000	0.0 L	15.0000	5.0000	50.0000	0.0 N
6 AKA837	0.0 N	20.0000	50.0000	50.0000	70.0000	0.0 L	20.0000	20.0000	70.0000	0.0 N
7 AKA838	0.0 N	10.0000	100.0000	70.0000	20.0000	0.0 L	10.0000	20.0000	70.0000	0.0 N
8 AKA858	0.0 N	0.0 L	15.0000	15.0000	20.0000	0.0 L	10.0000	5.0000	30.0000	0.0 N
9 AKA859	0.0 N	0.0 L	15.0000	0.0 L	70.0000	0.0 L	15.0000	5.0000	50.0000	0.0 N
1080 AKA852	0.0 N	0.0 L	10.0000	10.0000	20.0000	0.0 L	10.0000	0.0 N	70.0000	0.0 N
1 AKA860	0.0 N	0.0 L	15.0000	50.0000	30.0000	7.0000	15.0000	5.0000	70.0000	0.0 N
2 AKA851	0.0 N	5.0000	70.0000	15.0000	0.0 N	0.0 L	10.0000	10.0000	70.0000	0.0 N
3 AKA840	0.0 N	20.0000	300.0000	15.0000	20.0000	0.0 L	10.0000	30.0000	70.0000	0.0 N
4 AKA841	0.0 N	5.0000	20.0000	10.0000	0.0 L	0.0 L	10.0000	5.0000	300.0000	0.0 N
5 AKA839	0.0 N	20.0000	50.0000	50.0000	0.0 L	0.0 L	10.0000	20.0000	30.0000	0.0 N
6 AKA850	0.0 N	5.0000	10.0000	50.0000	0.0 L	0.0 L	15.0000	5.0000	150.0000	0.0 N
7 AKA849	0.0 N	0.0 L	10.0000	20.0000	0.0 L	0.0 L	15.0000	5.0000	200.0000	0.0 N
8 AKA848	0.0 N	5.0000	10.0000	10.0000	0.0 L	0.0 L	15.0000	10.0000	50.0000	0.0 N
9 AKA847	0.0 N	20.0000	30.0000	20.0000	70.0000	5.0000	15.0000	15.0000	30.0000	0.0 N
1090 AKA846	0.0 N	5.0000	20.0000	15.0000	20.0000	0.0 L	15.0000	15.0000	30.0000	0.0 N
1 AKA845	0.0 N	10.0000	30.0000	30.0000	50.0000	0.0 L	15.0000	15.0000	70.0000	0.0 N
2 AKA844	0.0 N	15.0000	15.0000	30.0000	20.0000	0.0 L	10.0000	7.0000	100.0000	0.0 N
3 AKA843	0.0 N	5.0000	15.0000	30.0000	300.0000	5.0000	15.0000	5.0000	70.0000	0.0 N
4 AKA842	0.0 N	5.0000	20.0000	50.0000	20.0000	0.0 L	15.0000	5.0000	300.0000	0.0 N
5 AKA861	0.0 N	5.0000	30.0000	30.0000	0.0 L	0.0 L	20.0000	7.0000	300.0000	0.0 N
6 AKA869	0.0 N	7.0000	20.0000	30.0000	0.0 N	0.0 L	10.0000	10.0000	150.0000	0.0 N
7 AKA868	0.0 N	7.0000	10.0000	70.0000	0.0 L	15.0000	10.0000	10.0000	150.0000	0.0 N
8 AKA867	0.0 N	7.0000	30.0000	150.0000	0.0 L	0.0 L	10.0000	7.0000	150.0000	0.0 N
9 AKA862	0.0 N	7.0000	30.0000	150.0000	0.0 N	0.0 L	10.0000	10.0000	150.0000	0.0 N
1100 AKA863	0.0 N	0.0 L	10.0000	50.0000	0.0 L	0.0 L	10.0000	0.0 L	100.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
105 / AKA818	30.0000	15.0000	500.0000	300.0000	0.0 N	50.0000	200.0000	500.0000	0.0200L
2 AKA817	0.0 L	10.0000	100.0000	30.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
3 AKA824	7.0000	20.0000	150.0000	50.0000	0.0 N	70.0000	500.0000	100.0000	0.0200L
4 AKA827	15.0000	0.0 L	300.0000	200.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
5 AKA828	15.0000	0.0 L	300.0000	300.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
6 AKA833	20.0000	15.0000	500.0000	150.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
7 AKA832	10.0000	10.0000	200.0000	70.0000	0.0 N	150.0000	0.0 L	300.0000	0.0200L
8 AKA831	10.0000	0.0 L	300.0000	100.0000	0.0 N	150.0000	0.0 L	300.0000	0.0200L
9 AKA834	20.0000	0.0 L	300.0000	300.0000	0.0 N	70.0000	200.0000	500.0000	0.0200L
106 AKA829	15.0000	10.0000	200.0000	150.0000	0.0 N	150.0000	0.0 L	300.0000	0.0200L
1 AKA830	15.0000	15.0000	200.0000	100.0000	0.0 N	70.0000	0.0 L	200.0000	0.0200L
2 AKA853	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	300.0000	150.0000	0.0200L
3 AKA936	15.0000	0.0 L	150.0000	150.0000	0.0 N	30.0000	200.0000	500.0000	0.0200L
4 AKA855	7.0000	10.0000	300.0000	70.0000	0.0 N	50.0000	200.0000	1000.0000	0.0200L
5 AKA854	7.0000	0.0 L	200.0000	150.0000	0.0 N	70.0000	0.0 L	1000.0000	0.0200L
6 AKA835	20.0000	0.0 L	500.0000	300.0000	0.0 N	70.0000	0.0 L	200.0000	0.0200L
7 AKA836	10.0000	0.0 L	200.0000	150.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
8 AKA877	20.0000	0.0 L	300.0000	300.0000	0.0 N	50.0000	0.0 L	100.0000	0.0200L
9 AKA878	7.0000	0.0 L	150.0000	100.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
107 AKA879	20.0000	0.0 L	300.0000	300.0000	0.0 N	30.0000	200.0000	500.0000	0.0200L
1 AKA874	10.0000	0.0 L	200.0000	150.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
2 AKA875	5.0000	10.0000	100.0000	50.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
3 AKA876	15.0000	10.0000	200.0000	150.0000	0.0 N	50.0000	0.0 L	500.0000	0.0200L
4 AKA857	7.0000	10.0000	150.0000	100.0000	0.0 N	70.0000	0.0 L	300.0000	0.0200L
5 AKA856	10.0000	10.0000	200.0000	100.0000	0.0 N	70.0000	0.0 L	300.0000	0.0200L
6 AKA837	20.0000	10.0000	500.0000	300.0000	0.0 N	70.0000	200.0000	700.0000	0.0200L
7 AKA838	15.0000	10.0000	300.0000	100.0000	0.0 N	50.0000	200.0000	200.0000	0.0200L
8 AKA858	15.0000	0.0 L	150.0000	150.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
9 AKA859	15.0000	15.0000	150.0000	30.0000	0.0 N	70.0000	0.0 L	300.0000	0.0200L
108 AKA852	5.0000	15.0000	0.0 L	30.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
1 AKA860	7.0000	30.0000	150.0000	30.0000	0.0 N	70.0000	300.0000	500.0000	0.0200L
2 AKA851	10.0000	10.0000	150.0000	70.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
3 AKA840	20.0000	0.0 L	150.0000	300.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
4 AKA841	5.0000	0.0 L	100.0000	70.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
5 AKA839	20.0000	10.0000	500.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
6 AKA850	10.0000	0.0 L	200.0000	100.0000	0.0 N	50.0000	300.0000	300.0000	0.0200L
7 AKA849	10.0000	10.0000	150.0000	100.0000	0.0 N	50.0000	200.0000	300.0000	0.0200L
8 AKA848	10.0000	0.0 L	200.0000	100.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
9 AKA847	15.0000	0.0 N	500.0000	200.0000	0.0 N	50.0000	0.0 L	300.0000	0.0200L
109 AKA846	10.0000	0.0 L	200.0000	70.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
1 AKA845	15.0000	10.0000	300.0000	100.0000	0.0 N	50.0000	200.0000	300.0000	0.0200L
2 AKA844	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
3 AKA843	10.0000	0.0 L	200.0000	70.0000	0.0 N	70.0000	0.0 L	300.0000	0.0200L
4 AKA842	7.0000	15.0000	150.0000	100.0000	0.0 N	30.0000	300.0000	1000.0000	0.0200L
5 AKA861	10.0000	15.0000	150.0000	150.0000	0.0 N	50.0000	500.0000	300.0000	0.0200L
6 AKA869	10.0000	0.0 L	150.0000	150.0000	0.0 N	10.0000	200.0000	70.0000	0.0200L
7 AKA868	5.0000	0.0 L	150.0000	100.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
8 AKA867	10.0000	20.0000	300.0000	150.0000	0.0 N	50.0000	200.0000	150.0000	0.0200L
9 AKA862	7.0000	30.0000	150.0000	150.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
110 AKA863	5.0000	15.0000	150.0000	70.0000	0.0 N	70.0000	300.0000	500.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
1101AKA864	15.0000	2.0000	1.5000	1.0000	1500.0000	0.7000	0.0	70.0000	500.0000	1.0000
2AKA892	5.0000	0.7000	0.5000	0.3000	500.0000	0.0	0.0	0.0	300.0000	0.0
3AKA891	7.0000	0.7000	0.7000	0.3000	700.0000	0.0	0.0	0.0	500.0000	1.5000
4AKA890	15.0000	1.5000	1.5000	0.5000	1000.0000	0.0	0.0	0.0	700.0000	1.0000
5AKA887	10.0000	1.5000	1.5000	0.7000	1500.0000	0.0	0.0	0.0	700.0000	1.0000
6AKA888	15.0000	2.0000	2.0000	0.5000	1500.0000	0.0	0.0	10.0000	700.0000	1.0000
7AKA889	10.0000	1.5000	1.5000	0.5000	1000.0000	0.0	0.0	0.0	500.0000	1.5000
8AKA872	3.0000	1.0000	1.0000	0.2000	1000.0000	0.0	0.0	0.0	200.0000	1.5000
9AKA870	5.0000	1.5000	1.0000	0.3000	1000.0000	1.5000	0.0	0.0	150.0000	1.5000
1110AKA870	15.0000	3.0000	2.0000	0.7000	1500.0000	0.5000	0.0	0.0	300.0000	2.0000
1AKA873	10.0000	1.0000	1.0000	0.5000	700.0000	0.0	0.0	0.0	200.0000	1.5000
2AKA871	10.0000	2.0000	2.0000	0.7000	1000.0000	0.7000	0.0	0.0	700.0000	2.0000
3AKA876	15.0000	2.0000	3.0000	0.7000	1500.0000	0.5000	0.0	15.0000	700.0000	3.0000
4AKA877	10.0000	1.5000	2.0000	0.5000	1500.0000	0.0	0.0	10.0000	300.0000	3.0000
5AKA875	15.0000	3.0000	5.0000	0.7000	1500.0000	0.5000	0.0	15.0000	700.0000	5.0000
6AKA878	10.0000	1.5000	1.5000	0.5000	2000.0000	0.0	0.0	10.0000	500.0000	3.0000
7AKA879	10.0000	1.5000	1.5000	0.3000	2000.0000	0.0	0.0	0.0	300.0000	3.0000
8AKA880	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0	0.0	0.0	300.0000	5.0000
9AKA883	15.0000	3.0000	2.0000	0.7000	3000.0000	0.0	0.0	15.0000	700.0000	1.5000
1120AKA884	10.0000	2.0000	1.5000	0.5000	1500.0000	0.0	0.0	10.0000	500.0000	1.5000
1AKA882	10.0000	1.5000	1.5000	0.5000	2000.0000	0.0	0.0	10.0000	700.0000	3.0000
2AKA881	10.0000	1.5000	1.5000	0.3000	1500.0000	0.0	0.0	10.0000	700.0000	2.0000
3AKA886	5.0000	1.0000	1.0000	0.3000	1500.0000	0.0	0.0	0.0	300.0000	3.0000
4AKA885	7.0000	1.0000	1.5000	0.3000	1500.0000	0.0	0.0	0.0	300.0000	2.0000
5AKA468	15.0000	1.5000	1.5000	0.7000	2000.0000	0.5000	0.0	10.0000	700.0000	1.0000
6AKA467	3.0000	0.5000	1.0000	0.2000	700.0000	0.0	0.0	0.0	1500.0000	1.5000
7AKA265	5.0000	1.5000	1.5000	0.3000	1500.0000	0.0	0.0	20.0000	700.0000	1.5000
8AKA264	5.0000	1.5000	1.0000	0.5000	700.0000	0.0	0.0	10.0000	700.0000	1.0000
9AKA266	3.0000	1.0000	0.7000	0.3000	500.0000	0.0	0.0	0.0	300.0000	0.0
1130AKA267	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0	0.0	10.0000	700.0000	0.0
1AKA268	3.0000	1.0000	1.0000	0.3000	700.0000	0.0	0.0	10.0000	500.0000	0.0
2AKA260	3.0000	0.3000	0.5000	0.3000	500.0000	0.0	0.0	0.0	700.0000	1.0000
3AKA261	3.0000	0.3000	0.5000	0.2000	300.0000	0.0	0.0	0.0	700.0000	0.0
4AKA262	1.5000	0.3000	0.5000	0.1500	300.0000	0.0	0.0	0.0	700.0000	0.0
5AKA263	2.0000	0.3000	0.7000	0.1500	500.0000	0.0	0.0	0.0	700.0000	1.5000
6AKA269	3.0000	0.5000	0.7000	0.3000	500.0000	0.0	0.0	0.0	700.0000	1.0000
7AKA256	5.0000	0.5000	0.7000	0.2000	1000.0000	0.0	0.0	0.0	700.0000	0.0
8AKA122	2.0000	0.3000	0.7000	0.1500	300.0000	0.5000	0.0	0.0	700.0000	1.0000
9AKA204	2.0000	0.3000	0.7000	0.1500	300.0000	0.0	0.0	0.0	700.0000	1.0000
1140AKA258	3.0000	0.3000	0.5000	0.1500	500.0000	0.0	0.0	0.0	700.0000	1.5000
1AKA259	3.0000	0.7000	1.0000	0.2000	500.0000	0.0	0.0	0.0	700.0000	0.0
2AKA257	3.0000	0.5000	0.7000	0.2000	700.0000	0.0	0.0	0.0	700.0000	1.5000
3AKA123	3.0000	0.3000	0.7000	0.2000	300.0000	0.0	0.0	0.0	700.0000	1.0000
4AKA205	3.0000	0.3000	0.7000	0.1500	300.0000	0.0	0.0	0.0	1000.0000	0.0
5AKA272	1.5000	0.2000	0.5000	0.1500	300.0000	0.0	0.0	0.0	700.0000	1.0000
6AKA273	2.0000	0.3000	0.7000	0.1500	300.0000	0.0	0.0	0.0	700.0000	1.0000
7AKA274	2.0000	0.2000	0.7000	0.1500	500.0000	0.0	0.0	0.0	700.0000	1.0000
8AKA485	2.0000	0.3000	0.7000	0.1500	700.0000	0.5000	0.0	0.0	700.0000	1.5000
9AKA487	3.0000	0.3000	0.7000	0.1500	700.0000	0.0	0.0	0.0	700.0000	2.0000
1150AKA494	7.0000	0.2000	0.1500	0.1500	300.0000	1.0000	0.0	0.0	1000.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MD PPM	NB PPM	NI PPM	PB PPM	SB PPM
1101 AKA864	0.0 N	15.0000	70.0000	150.0000	0.0 L	5.0000	10.0000	15.0000	100.0000	0.0 N
1 AKA892	0.0 N	10.0000	30.0000	30.0000	0.0 N	0.0 L	10.0000	15.0000	30.0000	0.0 N
3 AKA891	0.0 N	10.0000	30.0000	30.0000	20.0000	7.0000	10.0000	10.0000	20.0000	0.0 N
4 AKA890	0.0 N	15.0000	100.0000	70.0000	0.0 L	5.0000	15.0000	30.0000	30.0000	0.0 N
5 AKA887	0.0 N	30.0000	20.0000	70.0000	20.0000	0.0 L	15.0000	30.0000	30.0000	0.0 N
6 AKA888	0.0 N	30.0000	20.0000	50.0000	0.0 L	5.0000	10.0000	30.0000	30.0000	0.0 N
7 AKA889	0.0 N	10.0000	20.0000	50.0000	30.0000	0.0 L	10.0000	10.0000	15.0000	0.0 N
8 AKA872	0.0 N	0.0 L	15.0000	10.0000	0.0 L	0.0 L	0.0 L	5.0000	150.0000	0.0 N
9 AKA874	0.0 N	5.0000	15.0000	10.0000	0.0 L	0.0 L	10.0000	7.0000	150.0000	0.0 N
1110 AKA870	0.0 N	15.0000	70.0000	30.0000	0.0 L	0.0 L	15.0000	15.0000	150.0000	0.0 N
1 AKA873	0.0 N	7.0000	15.0000	10.0000	0.0 L	0.0 L	15.0000	5.0000	30.0000	0.0 N
2 AKA871	0.0 N	10.0000	30.0000	50.0000	30.0000	7.0000	20.0000	15.0000	150.0000	0.0 N
3 AKA876	0.0 N	15.0000	20.0000	70.0000	20.0000	5.0000	15.0000	20.0000	70.0000	0.0 N
4 AKA877	0.0 N	7.0000	30.0000	30.0000	20.0000	0.0 L	15.0000	5.0000	70.0000	0.0 N
5 AKA875	0.0 N	15.0000	20.0000	100.0000	50.0000	0.0 L	15.0000	15.0000	150.0000	0.0 N
6 AKA878	0.0 N	10.0000	30.0000	30.0000	20.0000	5.0000	10.0000	100.0000	100.0000	0.0 N
7 AKA879	0.0 N	10.0000	20.0000	30.0000	20.0000	5.0000	10.0000	15.0000	100.0000	0.0 N
8 AKA880	0.0 N	10.0000	20.0000	30.0000	0.0 L	0.0 L	10.0000	10.0000	70.0000	0.0 N
9 AKA883	0.0 N	30.0000	50.0000	70.0000	0.0 L	5.0000	10.0000	50.0000	100.0000	0.0 N
1120 AKA884	0.0 N	20.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000	50.0000	0.0 N
1 AKA882	0.0 N	15.0000	70.0000	30.0000	20.0000	5.0000	15.0000	20.0000	70.0000	0.0 N
2 AKA881	0.0 N	15.0000	20.0000	50.0000	20.0000	5.0000	10.0000	20.0000	100.0000	0.0 N
3 AKA886	0.0 N	7.0000	20.0000	20.0000	0.0 L	0.0 L	10.0000	20.0000	30.0000	0.0 N
4 AKA885	0.0 N	5.0000	15.0000	10.0000	150.0000	0.0 L	15.0000	0.0 N	50.0000	0.0 N
5 AKA468	0.0 N	15.0000	20.0000	30.0000	0.0 L	5.0000	10.0000	15.0000	30.0000	0.0 N
6 AKA467	0.0 N	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	0.0 L	10.0000	30.0000	0.0 N
7 AKA265	0.0 N	7.0000	30.0000	15.0000	0.0 L	0.0 N	0.0 L	10.0000	10.0000	0.0 N
8 AKA264	0.0 N	5.0000	150.0000	7.0000	0.0 L	0.0 N	10.0000	15.0000	50.0000	0.0 N
9 AKA266	0.0 N	5.0000	100.0000	5.0000	0.0 N	0.0 N	10.0000	30.0000	30.0000	0.0 N
1130 AKA267	0.0 N	10.0000	150.0000	10.0000	0.0 N	0.0 N	10.0000	50.0000	30.0000	0.0 N
1 AKA268	0.0 N	0.0 L	100.0000	7.0000	0.0 N	0.0 N	0.0 L	20.0000	20.0000	0.0 N
2 AKA260	0.0 N	0.0 N	0.0 L	150.0000	0.0 N	0.0 N	0.0 L	0.0 N	50.0000	0.0 N
3 AKA261	0.0 N	0.0 N	0.0 L	5.0000	0.0 N	0.0 N	0.0 L	0.0 N	50.0000	0.0 N
4 AKA262	0.0 N	0.0 N	0.0 L	0.0 L	0.0 N	0.0 N	0.0 L	0.0 N	50.0000	0.0 N
5 AKA263	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	0.0 L	5.0000	30.0000	0.0 N
6 AKA269	0.0 N	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	10.0000	0.0 L	30.0000	0.0 N
7 AKA256	0.0 N	0.0 N	0.0 L	7.0000	20.0000	0.0 L	0.0 L	0.0 L	50.0000	0.0 N
8 AKA122	0.0 N	0.0 N	0.0 L	5.0000	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N
9 AKA204	0.0 N	0.0 N	0.0 L	15.0000	0.0 L	0.0 N	0.0 L	0.0 L	30.0000	0.0 N
1140 AKA258	0.0 N	0.0 N	0.0 L	70.0000	0.0 L	50.0000	0.0 L	5.0000	70.0000	0.0 N
1 AKA259	0.0 N	0.0 N	0.0 L	100.0000	0.0 L	7.0000	0.0 L	0.0 L	100.0000	0.0 N
2 AKA257	0.0 N	0.0 N	0.0 L	10.0000	0.0 L	0.0 L	0.0 L	0.0 L	70.0000	0.0 N
3 AKA123	0.0 N	0.0 N	0.0 L	7.0000	0.0 N	0.0 N	0.0 L	5.0000	30.0000	0.0 N
4 AKA205	0.0 N	0.0 N	0.0 L	5.0000	20.0000	0.0 N	0.0 L	0.0 L	15.0000	0.0 N
5 AKA272	0.0 N	0.0 N	0.0 L	20.0000	0.0 L	0.0 N	0.0 L	0.0 L	30.0000	0.0 N
6 AKA273	0.0 N	0.0 N	0.0 L	30.0000	0.0 L	0.0 L	0.0 L	0.0 L	30.0000	0.0 N
7 AKA274	0.0 N	0.0 N	0.0 L	30.0000	20.0000	0.0 N	0.0 L	0.0 L	100.0000	0.0 N
8 AKA485	0.0 N	0.0 L	0.0 L	30.0000	20.0000	0.0 N	0.0 L	5.0000	30.0000	0.0 N
9 AKA487	0.0 N	0.0 N	0.0 L	20.0000	0.0 L	0.0 N	0.0 L	0.0 L	100.0000	0.0 N
1150 AKA494	0.0 N	0.0 N	0.0 L	70.0000	20.0000	0.0 L	10.0000	0.0 L	50.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
1101 AKA864	15.0000	15.0000	200.0000	300.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
2 AKA892	10.0000	30.0000	150.0000	100.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
3 AKA891	10.0000	15.0000	150.0000	150.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
4 AKA890	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	500.0000	0.0200L
5 AKA887	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	0.0 L	500.0000	0.0200L
6 AKA888	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
7 AKA889	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
8 AKA872	7.0000	0.0 L	150.0000	70.0000	0.0 N	15.0000	200.0000	70.0000	0.0200L
9 AKA874	7.0000	0.0 L	150.0000	70.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
1110 AKA870	15.0000	0.0 L	200.0000	300.0000	0.0 N	30.0000	300.0000	200.0000	0.0200L
1 AKA873	10.0000	0.0 L	150.0000	150.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
2 AKA871	15.0000	15.0000	300.0000	150.0000	0.0 N	50.0000	200.0000	150.0000	0.0200L
3 AKA876	15.0000	0.0 L	300.0000	200.0000	0.0 N	50.0000	200.0000	300.0000	0.0200L
4 AKA877	10.0000	10.0000	300.0000	150.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
5 AKA875	15.0000	10.0000	300.0000	300.0000	0.0 N	70.0000	200.0000	300.0000	0.0200L
6 AKA878	10.0000	15.0000	300.0000	150.0000	0.0 N	30.0000	1000.0000	300.0000	0.0200L
7 AKA879	10.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
8 AKA880	10.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	700.0000	150.0000	0.0200L
9 AKA883	20.0000	0.0 N	300.0000	500.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
1120 AKA884	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	300.0000	300.0000	0.0200L
1 AKA882	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	300.0000	150.0000	0.0200L
2 AKA881	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
3 AKA886	10.0000	0.0 L	200.0000	150.0000	0.0 N	10.0000	0.0 L	300.0000	0.0200L
4 AKA885	10.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
5 AKA468	30.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	300.0000	0.0200L
6 AKA467	5.0000	0.0 N	200.0000	30.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
7 AKA265	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
8 AKA264	15.0000	0.0 N	200.0000	100.0000	0.0 N	15.0000	0.0 N	100.0000	0.0200L
9 AKA266	7.0000	0.0 N	150.0000	50.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
1130 AKA267	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	300.0000	0.0200L
1 AKA268	7.0000	0.0 N	150.0000	50.0000	0.0 N	15.0000	0.0 N	100.0000	0.0200L
2 AKA260	5.0000	0.0 L	100.0000	30.0000	0.0 N	15.0000	0.0 N	300.0000	0.0200L
3 AKA261	0.0 L	0.0 N	0.0 L	30.0000	0.0 N	10.0000	0.0 N	100.0000	0.0200L
4 AKA262	0.0 N	0.0 L	100.0000	30.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
5 AKA263	5.0000	0.0 L	150.0000	30.0000	0.0 N	20.0000	0.0 N	700.0000	0.0200L
6 AKA269	5.0000	0.0 N	100.0000	30.0000	0.0 N	15.0000	0.0 M	150.0000	0.0200L
7 AKA256	7.0000	0.0 N	100.0000	30.0000	0.0 N	30.0000	0.0 L	700.0000	0.0200L
8 AKA122	0.0 L	0.0 N	100.0000	20.0000	0.0 N	10.0000	0.0 M	200.0000	0.0200L
9 AKA204	0.0 N	0.0 N	200.0000	15.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
1140 AKA258	0.0 N	0.0 L	100.0000	30.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
1 AKA259	5.0000	0.0 L	0.0 L	30.0000	0.0 N	15.0000	0.0 M	300.0000	0.0200L
2 AKA257	5.0000	0.0 N	150.0000	30.0000	0.0 N	15.0000	200.0000	300.0000	0.0200L
3 AKA123	0.0 L	0.0 N	0.0 L	20.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
4 AKA205	0.0 L	0.0 L	100.0000	15.0000	0.0 M	10.0000	0.0 M	150.0000	0.0200L
5 AKA212	0.0 L	0.0 L	100.0000	20.0000	0.0 M	10.0000	0.0 M	300.0000	0.0200L
6 AKA273	0.0 N	0.0 M	150.0000	30.0000	0.0 M	15.0000	0.0 M	300.0000	0.0200L
7 AKA274	0.0 N	0.0 N	150.0000	30.0000	0.0 M	15.0000	0.0 N	300.0000	0.0200L
8 AKA485	0.0 N	10.0000	0.0 L	30.0000	0.0 M	15.0000	0.0 L	70.0000	0.0200L
9 AKA487	0.0 N	0.0 L	0.0 L	30.0000	0.0 M	15.0000	0.0 L	300.0000	0.0200L
1150 AKA494	5.0000	20.0000	0.0 N	30.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
115 AKA496	15.0000	0.2000	0.0700	0.1500	2000.0000	30.0000	0.0 N	15.0000	1500.0000	1.5000
115 AKA498	15.0000	0.3000	0.0 L	0.1500	1500.0000	30.0000	0.0 N	15.0000	1500.0000	2.0000
3 AKA193	2.0000	0.2000	0.3000	0.1000	700.0000	0.0 L	0.0 N	0.0 N	700.0000	0.0 L
4 AKA194	3.0000	0.3000	0.5000	0.1500	700.0000	0.0 M	0.0 M	0.0 N	700.0000	1.0000
5 AKA195	1.5000	0.3000	0.5000	0.1500	700.0000	0.0 M	0.0 M	0.0 N	700.0000	0.0 L
6 AKA297	1.5000	0.2000	0.3000	0.1000	300.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
7 AKA298	1.5000	0.5000	0.5000	0.1000	300.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
8 AKA275	3.0000	0.7000	0.7000	0.3000	1000.0000	0.5000	0.0 M	0.0 L	700.0000	1.5000
9 AKA276	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.0000
116 AKA278	5.0000	1.0000	1.5000	0.3000	3000.0000	1.5000	0.0 N	0.0 L	700.0000	1.0000
1 AKA277	5.0000	0.7000	1.5000	0.3000	2000.0000	1.0000	0.0 N	0.0 L	700.0000	1.5000
2 AKA279	3.0000	1.0000	0.7000	0.2000	1500.0000	1.0000	0.0 N	0.0 N	300.0000	0.0 L
3 AKA271	3.0000	0.7000	0.7000	0.2000	500.0000	0.0 N	0.0 N	0.0 N	700.0000	1.0000
4 AKA270	5.0000	0.7000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	500.0000	0.0 L
5 AKA299	3.0000	0.2000	0.5000	0.2000	300.0000	0.0 N	0.0 N	0.0 N	500.0000	1.5000
6 AKA300	3.0000	0.3000	0.7000	0.1500	500.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
7 AKA601	1.5000	0.1500	0.5000	0.1000	300.0000	0.0 M	0.0 M	0.0 N	500.0000	2.0000
8 AKA602	3.0000	0.7000	0.7000	0.1500	1000.0000	0.0 M	0.0 N	0.0 N	700.0000	1.5000
9 AKA603	3.0000	0.7000	0.7000	0.2000	1500.0000	0.0 L	0.0 N	0.0 N	500.0000	1.5000
117 AKA604	5.0000	1.5000	2.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	1.0000
1 AKA296	1.5000	0.3000	0.3000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
2 AKA295	2.0000	0.3000	0.3000	0.2000	300.0000	0.0 N	0.0 M	0.0 N	700.0000	1.5000
3 AKA294	2.0000	0.3000	0.5000	0.1500	500.0000	0.0 N	0.0 N	0.0 N	1000.0000	1.5000
4 AKA292	1.0000	0.1500	0.2000	0.1500	300.0000	0.0 L	0.0 N	0.0 N	500.0000	1.0000
5 AKA291	3.0000	0.7000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
6 AKA293	3.0000	0.7000	0.7000	0.2000	1500.0000	0.7000	0.0 N	0.0 N	700.0000	1.5000
7 AKA105	15.0000	2.0000	3.0000	0.7000	1500.0000	1.0000	0.0 L	30.0000	700.0000	1.5000
8 AKA106	3.0000	0.7000	1.5000	0.3000	1500.0000	0.5000	0.0 N	30.0000	700.0000	1.0000
9 AKA107	5.0000	1.0000	2.0000	0.5000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
118 AKA108	3.0000	1.0000	2.0000	0.5000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
1 AKA109	5.0000	0.7000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	15.0000	700.0000	1.5000
2 AKA110	3.0000	0.7000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
3 AKA111	2.0000	0.7000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 L	700.0000	1.5000
4 AKA112	3.0000	0.7000	1.5000	0.3000	1500.0000	0.0 M	0.0 N	0.0 L	700.0000	1.5000
5 AKA114	3.0000	0.7000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
6 AKA113	3.0000	1.0000	1.5000	0.3000	1500.0000	0.0 L	0.0 M	15.0000	700.0000	1.5000
7 AKA115	5.0000	0.7000	1.5000	0.5000	1500.0000	0.0 N	0.0 L	0.0 L	700.0000	1.5000
8 AKA116	3.0000	0.7000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
9 AKA606	2.0000	0.3000	0.5000	0.1500	300.0000	0.0 L	0.0 M	0.0 L	700.0000	1.5000
119 AKA117	1.0000	0.5000	0.7000	0.0700	300.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
1 AKA118	1.5000	0.3000	0.7000	0.1000	700.0000	0.0 N	0.0 N	0.0 N	700.0000	1.5000
2 AKA119	3.0000	0.5000	1.5000	0.3000	1000.0000	0.0 L	0.0 L	0.0 L	700.0000	1.5000
3 AKA607	5.0000	0.7000	0.7000	0.3000	2000.0000	1.0000	0.0 M	0.0 N	700.0000	1.5000
4 AKA608	5.0000	1.0000	0.7000	0.3000	1500.0000	1.5000	0.0 N	0.0 L	300.0000	1.5000
5 AKA609	7.0000	1.5000	1.5000	0.5000	1500.0000	0.7000	0.0 M	15.0000	700.0000	1.5000
6 AKA612	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 M	0.0 N	0.0 N	700.0000	1.5000
7 AKA613	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 L	0.0 M	0.0 N	300.0000	1.5000
8 AKA610	3.0000	1.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 M	10.0000	500.0000	1.0000
9 AKA611	7.0000	1.5000	1.5000	0.7000	1000.0000	0.5000	0.0 N	10.0000	700.0000	1.5000
120 AKA605	5.0000	1.0000	1.0000	0.5000	1500.0000	0.5000	0.0 M	0.0 L	300.0000	2.0000

TABLE 1

SAMPLE	BI PPM	CD PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
115/ AKA496	0.0 N	0.0 L	0.0 L	150.0000	0.0 N	10.0000	10.0000	0.0 L	10001.0000	0.0 N
2 AKA498	0.0 N	0.0 N	0.0 L	150.0000	0.0 L	7.0000	10.0000	0.0 L	15001.0000	0.0 N
3 AKA193	0.0 N	0.0 N	0.0 L	5.0000	20.0000	0.0 L	0.0 L	0.0 N	150.0000	0.0 N
4 AKA194	0.0 N	0.0 N	0.0 L	20.0000	20.0000	0.0 L	0.0 L	0.0 N	150.0000	0.0 N
5 AKA195	0.0 N	0.0 N	0.0 L	5.0000	0.0 N	0.0 L	0.0 L	0.0 N	70.0000	0.0 N
6 AKA297	0.0 N	0.0 N	0.0 L	5.0000	0.0 N	0.0 N	0.0 L	0.0 N	30.0000	0.0 N
7 AKA298	0.0 N	0.0 N	0.0 L	10.0000	0.0 N	0.0 L	0.0 L	0.0 N	20.0000	0.0 N
8 AKA275	0.0 N	0.0 L	10.0000	70.0000	30.0000	15.0000	15.0000	0.0 N	70.0000	0.0 N
9 AKA276	0.0 N	5.0000	10.0000	150.0000	0.0 N	0.0 L	15.0000	0.0 N	70.0000	0.0 N
116/ AKA278	0.0 N	7.0000	15.0000	30.0000	0.0 L	0.0 L	15.0000	5.0000	300.0000	0.0 N
1 AKA277	0.0 N	0.0 L	10.0000	30.0000	0.0 L	0.0 L	15.0000	0.0 N	300.0000	0.0 N
2 AKA279	0.0 N	0.0 L	10.0000	15.0000	0.0 L	0.0 N	10.0000	0.0 L	150.0000	0.0 N
3 AKA271	0.0 N	0.0 L	0.0 L	0.0 L	20.0000	0.0 L	0.0 L	5.0000	20.0000	0.0 N
4 AKA270	0.0 N	0.0 L	10.0000	10.0000	0.0 N	0.0 L	0.0 L	5.0000	30.0000	0.0 N
5 AKA299	0.0 N	0.0 N	0.0 L	0.0 L	30.0000	0.0 L	0.0 L	0.0 N	10.0000	0.0 N
6 AKA300	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	0.0 L	0.0 N	30.0000	0.0 N
7 AKA601	0.0 N	0.0 N	0.0 L	0.0 L	70.0000	0.0 N	0.0 L	0.0 N	15.0000	0.0 N
8 AKA602	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	0.0 L	0.0 L	0.0 L	30.0000	0.0 N
9 AKA603	10.0000	5.0000	0.0 L	15.0000	0.0 L	0.0 L	10.0000	5.0000	100.0000	0.0 N
117/ AKA604	0.0 N	10.0000	10.0000	20.0000	0.0 L	0.0 L	10.0000	5.0000	150.0000	0.0 N
1 AKA296	0.0 N	0.0 N	0.0 L	0.0 L	30.0000	0.0 N	0.0 L	0.0 N	20.0000	0.0 N
2 AKA295	0.0 N	0.0 N	0.0 L	0.0 L	100.0000	0.0 N	10.0000	0.0 N	20.0000	0.0 N
3 AKA294	0.0 N	0.0 N	10.0000	0.0 L	70.0000	0.0 N	10.0000	0.0 N	20.0000	0.0 N
4 AKA292	0.0 N	0.0 N	0.0 L	0.0 L	0.0 N	0.0 L	0.0 L	10.0000	15.0000	0.0 N
5 AKA291	0.0 N	5.0000	10.0000	10.0000	0.0 N	0.0 L	0.0 L	5.0000	30.0000	0.0 N
6 AKA293	0.0 N	0.0 N	10.0000	20.0000	20.0000	0.0 L	0.0 L	0.0 N	70.0000	0.0 N
7 AKA105	0.0 N	20.0000	20.0000	70.0000	20.0000	0.0 L	15.0000	15.0000	150.0000	0.0 N
8 AKA106	0.0 N	5.0000	15.0000	50.0000	20.0000	0.0 L	20.0000	5.0000	70.0000	0.0 N
9 AKA107	0.0 N	7.0000	15.0000	20.0000	20.0000	0.0 L	15.0000	5.0000	50.0000	0.0 N
118/ AKA108	0.0 N	7.0000	15.0000	30.0000	20.0000	0.0 L	15.0000	5.0000	70.0000	0.0 N
1 AKA109	0.0 N	5.0000	0.0 L	50.0000	0.0 L	0.0 L	0.0 L	5.0000	70.0000	0.0 N
2 AKA110	0.0 N	0.0 L	0.0 L	10.0000	0.0 L	0.0 L	0.0 L	5.0000	50.0000	0.0 N
3 AKA111	0.0 N	0.0 N	0.0 L	10.0000	20.0000	0.0 N	10.0000	0.0 L	30.0000	0.0 N
4 AKA112	0.0 N	0.0 L	0.0 L	7.0000	20.0000	0.0 L	15.0000	5.0000	50.0000	0.0 N
5 AKA114	0.0 N	0.0 L	0.0 L	15.0000	0.0 L	0.0 L	10.0000	0.0 L	70.0000	0.0 N
6 AKA113	0.0 N	5.0000	10.0000	70.0000	20.0000	15.0000	10.0000	0.0 L	100.0000	0.0 N
7 AKA115	0.0 N	5.0000	0.0 L	15.0000	20.0000	5.0000	15.0000	5.0000	70.0000	0.0 N
8 AKA116	0.0 N	0.0 L	0.0 L	15.0000	0.0 L	0.0 L	15.0000	0.0 L	70.0000	0.0 N
9 AKA606	0.0 N	0.0 L	0.0 L	5.0000	0.0 L	0.0 N	0.0 L	5.0000	20.0000	0.0 N
119/ AKA117	0.0 N	0.0 N	50.0000	10.0000	0.0 L	0.0 N	10.0000	5.0000	15.0000	0.0 N
1 AKA118	0.0 N	0.0 N	0.0 L	7.0000	0.0 L	0.0 L	10.0000	0.0 L	30.0000	0.0 N
2 AKA119	0.0 N	0.0 L	0.0 L	15.0000	70.0000	0.0 L	15.0000	5.0000	70.0000	0.0 N
3 AKA607	0.0 N	5.0000	10.0000	70.0000	0.0 L	5.0000	10.0000	0.0 L	150.0000	0.0 N
4 AKA608	0.0 N	7.0000	15.0000	200.0000	0.0 L	0.0 L	0.0 L	7.0000	70.0000	0.0 N
5 AKA609	0.0 N	15.0000	30.0000	20.0000	20.0000	0.0 L	0.0 L	15.0000	100.0000	0.0 N
6 AKA612	0.0 N	7.0000	15.0000	5.0000	150.0000	0.0 N	0.0 L	5.0000	20.0000	0.0 N
7 AKA613	0.0 N	10.0000	15.0000	7.0000	30.0000	0.0 L	0.0 L	5.0000	30.0000	0.0 N
8 AKA610	0.0 N	7.0000	10.0000	30.0000	0.0 L	0.0 L	0.0 L	10.0000	150.0000	0.0 N
9 AKA611	0.0 N	10.0000	15.0000	30.0000	20.0000	0.0 L	10.0000	15.0000	70.0000	0.0 N
120/ AKA605	0.0 N	10.0000	30.0000	15.0000	50.0000	0.0 L	10.0000	10.0000	150.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
115' AKA496	10.0000	500.0000	0.0 N	30.0000	0.0 N	15.0000	700.0000	300.0000	0.0200L
2 AKA498	10.0000	300.0000	0.0 N	20.0000	0.0 N	10.0000	1500.0000	100.0000	0.0200L
3 AKA193	0.0 N	10.0000	0.0 N	20.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
4 AKA194	0.0 L	10.0000	0.0 N	30.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
5 AKA195	0.0 N	0.0 L	0.0 N	20.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
6 AKA297	0.0 L	0.0 N	0.0 L	20.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
7 AKA298	0.0 L	0.0 N	0.0 L	15.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L
8 AKA275	10.0000	10.0000	150.0000	50.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
9 AKA276	10.0000	0.0 L	300.0000	100.0000	0.0 N	20.0000	200.0000	150.0000	0.0200L
116 AKA278	15.0000	10.0000	200.0000	150.0000	0.0 N	20.0000	700.0000	300.0000	0.0200L
1 AKA277	10.0000	0.0 L	200.0000	150.0000	0.0 N	20.0000	700.0000	200.0000	0.0200L
2 AKA279	10.0000	0.0 L	150.0000	70.0000	0.0 N	20.0000	200.0000	100.0000	0.0200L
3 AKA271	7.0000	0.0 N	100.0000	30.0000	0.0 N	20.0000	0.0 N	100.0000	0.0200L
4 AKA270	7.0000	0.0 N	100.0000	30.0000	0.0 N	30.0000	0.0 N	100.0000	0.0200L
5 AKA299	0.0 L	0.0 N	0.0 L	30.0000	0.0 N	30.0000	0.0 N	700.0000	0.0200L
6 AKA300	0.0 L	0.0 N	0.0 L	30.0000	0.0 N	30.0000	0.0 N	300.0000	0.0200L
7 AKA601	0.0 L	0.0 N	0.0 L	15.0000	0.0 N	50.0000	0.0 N	700.0000	0.0200L
8 AKA602	5.0000	0.0 L	150.0000	30.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
9 AKA603	7.0000	10.0000	150.0000	30.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
117 AKA604	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	300.0000	100.0000	0.0200L
1 AKA296	0.0 L	0.0 N	0.0 L	30.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
2 AKA295	0.0 L	0.0 N	0.0 L	20.0000	0.0 N	15.0000	0.0 N	300.0000	0.0200L
3 AKA294	0.0 L	0.0 L	100.0000	30.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
4 AKA292	0.0 N	0.0 N	0.0 N	20.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
5 AKA291	10.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
6 AKA293	5.0000	0.0 L	100.0000	30.0000	0.0 N	20.0000	200.0000	300.0000	0.0200L
7 AKA105	20.0000	0.0 L	500.0000	150.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
8 AKA106	10.0000	0.0 N	300.0000	150.0000	0.0 N	30.0000	300.0000	70.0000	0.0200L
9 AKA107	15.0000	0.0 N	300.0000	150.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
118 AKA108	15.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	200.0000	70.0000	0.0200L
1 AKA109	15.0000	0.0 L	300.0000	100.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
2 AKA110	15.0000	0.0 L	300.0000	100.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
3 AKA111	15.0000	0.0 L	300.0000	50.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4 AKA112	15.0000	0.0 L	300.0000	70.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
5 AKA114	15.0000	0.0 L	300.0000	50.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
6 AKA113	10.0000	0.0 L	300.0000	70.0000	0.0 N	20.0000	300.0000	100.0000	0.0200L
7 AKA115	15.0000	0.0 L	300.0000	70.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
8 AKA116	15.0000	0.0 L	300.0000	50.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
9 AKA606	5.0000	0.0 L	100.0000	20.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
119 AKA117	5.0000	0.0 L	0.0 L	20.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
1 AKA118	5.0000	0.0 N	150.0000	20.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
2 AKA119	7.0000	0.0 N	200.0000	30.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
3 AKA607	10.0000	10.0000	150.0000	70.0000	0.0 N	20.0000	1500.0000	150.0000	0.0200L
4 AKA608	10.0000	0.0 L	150.0000	100.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
5 AKA609	15.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
6 AKA612	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 N	200.0000	0.0200L
7 AKA613	10.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
8 AKA610	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
9 AKA611	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
120 AKA605	10.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
120/AKA617	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	0.0 L
2AKA620	3.0000	1.5000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	500.0000	1.5000
3AKA619	3.0000	1.0000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	10.0000	300.0000	1.5000
4AKA618	3.0000	1.0000	0.7000	0.3000	500.0000	0.0 N	0.0 N	10.0000	300.0000	1.5000
5AKA637	5.0000	1.5000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	10.0000	300.0000	0.0 L
6AKA616	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0 L	300.0000	1.0000
7AKA636	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
8AKA632	3.0000	1.0000	0.7000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
9AKA615	1.5000	0.7000	1.5000	0.3000	700.0000	0.0 N	0.0 N	0.0 L	300.0000	0.0 L
121/0AKA614	7.0000	1.5000	2.0000	0.3000	1500.0000	0.0 L	0.0 N	10.0000	700.0000	0.0 L
1AKA635	3.0000	0.7000	0.7000	0.2000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	1.5000
2AKA634	5.0000	1.0000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 N	300.0000	1.0000
3AKA633	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	300.0000	1.0000
4AKA284	7.0000	1.5000	2.0000	0.7000	1500.0000	0.5000	0.0 N	10.0000	700.0000	1.5000
5AK1002	7.0000	1.0000	0.5000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	700.0000	1.5000
6AKA280	3.0000	0.7000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
7AKA281	3.0000	0.7000	1.0000	0.5000	700.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
8AK1001	3.0000	0.5000	0.1500	0.3000	1500.0000	0.7000	700.0000	20.0000	300.0000	1.5000
9AKA282	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	700.0000	0.0 L
122/0AKA283	7.0000	1.5000	1.5000	0.7000	1500.0000	1.5000	0.0 N	30.0000	700.0000	1.5000
1AKA289	5.0000	1.0000	1.5000	0.3000	1000.0000	1.5000	0.0 N	70.0000	300.0000	1.5000
2AKA290	5.0000	0.7000	0.7000	0.3000	700.0000	0.0 L	0.0 N	0.0 L	700.0000	1.5000
3AKA288	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	10.0000	200.0000	2.0000
4AKA287	5.0000	1.0000	1.5000	0.3000	1500.0000	0.5000	0.0 N	15.0000	300.0000	3.0000
5AKA286	5.0000	1.0000	1.0000	0.5000	1500.0000	0.5000	0.0 N	50.0000	300.0000	2.0000
6AKA285	5.0000	1.5000	3.0000	0.5000	1000.0000	0.0 L	0.0 N	0.0 N	300.0000	2.0000
7AKA865	10.0000	3.0000	3.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
8AKA866	5.0000	1.5000	1.5000	0.3000	1000.0000	0.7000	0.0 N	150.0000	300.0000	3.0000
9AKA631	5.0000	0.7000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
123/0AKA630	3.0000	0.7000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
1AKA623	7.0000	1.5000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	500.0000	1.5000
2AKA622	3.0000	1.0000	1.5000	0.3000	1500.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
3AKA627	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	10.0000	300.0000	1.5000
4AKA624	7.0000	1.5000	2.0000	0.7000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
5AKA625	5.0000	1.0000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
6AKA626	7.0000	1.5000	2.0000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	0.0 L
7AKA629	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	300.0000	1.5000
8AKA628	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
9AKA621	3.0000	1.0000	1.5000	0.3000	1000.0000	0.0 L	0.0 N	0.0 L	300.0000	1.5000
124/0AKA438	15.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	100.0000	1000.0000	1.0000
1AKA439	10.0000	1.5000	0.1500	1.0000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
2AKA440	15.0000	1.5000	0.2000	1.0000	1500.0000	0.0 L	0.0 N	70.0000	1500.0000	1.5000
3AKA441	15.0000	1.5000	0.3000	1.0000	1500.0000	0.5000	0.0 N	100.0000	1500.0000	1.5000
4AKA442	15.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	1500.0000	1.0000
5AKA443	15.0000	2.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	30.0000	1000.0000	0.0 L
6AKA444	15.0000	3.0000	1.5000	1.0000	1500.0000	0.0 L	0.0 N	30.0000	1000.0000	1.0000
7AKA445	15.0000	1.5000	1.5000	0.7000	1000.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
8AKA446	15.0000	1.5000	0.7000	1.0000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
9AKA447	15.0000	1.5000	0.7000	1.0000	1500.0000	0.0 L	0.0 N	50.0000	1500.0000	1.0000
125/0AKA448	3.0000	0.3000	0.7000	0.3000	300.0000	0.0 N	0.0 N	30.0000	1500.0000	1.5000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
1201AKA617	0.0 N	15.0000	20.0000	20.0000	0.0 N	0.0 L	0.0 L	15.0000	30.0000	0.0 N
2AKA620	0.0 N	7.0000	15.0000	5.0000	0.0 L	0.0 N	10.0000	7.0000	50.0000	0.0 N
3AKA619	0.0 N	7.0000	15.0000	5.0000	20.0000	0.0 N	0.0 L	10.0000	30.0000	0.0 N
4AKA618	0.0 N	5.0000	15.0000	0.0 L	0.0 N	0.0 N	0.0 L	7.0000	30.0000	0.0 N
5AKA637	0.0 N	10.0000	10.0000	30.0000	0.0 L	0.0 N	10.0000	0.0 L	10.0000	0.0 N
6AKA616	0.0 N	7.0000	15.0000	30.0000	0.0 L	0.0 L	10.0000	5.0000	20.0000	0.0 N
7AKA636	0.0 N	5.0000	10.0000	5.0000	100.0000	0.0 N	10.0000	5.0000	20.0000	0.0 N
8AKA632	0.0 N	0.0 L	10.0000	5.0000	20.0000	0.0 N	0.0 L	7.0000	15.0000	0.0 N
9AKA615	0.0 N	10.0000	15.0000	20.0000	0.0 L	0.0 L	0.0 L	15.0000	10.0000	0.0 N
1210AKA614	0.0 N	15.0000	10.0000	30.0000	0.0 L	0.0 L	0.0 L	5.0000	20.0000	0.0 N
1AKA635	0.0 N	5.0000	20.0000	7.0000	0.0 N	0.0 L	10.0000	7.0000	30.0000	0.0 N
2AKA634	0.0 N	15.0000	15.0000	30.0000	20.0000	0.0 L	0.0 L	15.0000	50.0000	0.0 N
3AKA633	0.0 N	7.0000	10.0000	15.0000	0.0 L	0.0 L	10.0000	7.0000	30.0000	0.0 N
4AKA624	0.0 N	15.0000	15.0000	50.0000	0.0 L	0.0 L	0.0 L	15.0000	50.0000	0.0 N
5AKI002	0.0 N	5.0000	15.0000	20.0000	0.0 L	5.0000	10.0000	0.0 L	70.0000	0.0 N
6AKA280	0.0 N	0.0 L	0.0 L	7.0000	30.0000	0.0 N	15.0000	0.0 L	70.0000	0.0 N
7AKA281	0.0 N	0.0 N	10.0000	5.0000	0.0 L	0.0 N	10.0000	0.0 L	20.0000	0.0 N
8AKI001	0.0 N	5.0000	15.0000	30.0000	0.0 L	0.0 L	10.0000	0.0 L	70.0000	0.0 N
9AKA282	0.0 N	0.0 N	0.0 L	0.0 L	0.0 N	0.0 N	10.0000	0.0 L	30.0000	0.0 N
1220AKA283	0.0 N	15.0000	70.0000	300.0000	20.0000	0.0 L	10.0000	15.0000	150.0000	0.0 N
1AKA289	0.0 L	20.0000	30.0000	300.0000	0.0 L	0.0 L	10.0000	30.0000	150.0000	0.0 N
2AKA290	0.0 L	7.0000	15.0000	15.0000	0.0 L	0.0 L	10.0000	10.0000	30.0000	0.0 N
3AKA288	0.0 N	7.0000	15.0000	30.0000	20.0000	0.0 L	15.0000	15.0000	50.0000	0.0 N
4AKA287	0.0 N	10.0000	20.0000	70.0000	30.0000	0.0 L	15.0000	15.0000	70.0000	0.0 N
5AKA286	0.0 N	10.0000	20.0000	150.0000	0.0 L	5.0000	15.0000	15.0000	70.0000	0.0 N
6AKA285	0.0 N	7.0000	15.0000	20.0000	0.0 L	0.0 N	10.0000	15.0000	70.0000	0.0 N
7AKA865	0.0 N	10.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	15.0000	70.0000	0.0 N
8AKA866	0.0 N	5.0000	30.0000	150.0000	0.0 L	0.0 L	0.0 L	15.0000	100.0000	0.0 N
9AKA631	0.0 N	0.0 L	10.0000	7.0000	30.0000	0.0 L	10.0000	5.0000	30.0000	0.0 N
1230AKA630	0.0 N	7.0000	15.0000	7.0000	0.0 L	0.0 N	15.0000	0.0 L	20.0000	0.0 N
1AKA623	0.0 N	10.0000	15.0000	30.0000	20.0000	7.0000	10.0000	7.0000	70.0000	0.0 N
2AKA622	0.0 N	7.0000	15.0000	20.0000	0.0 L	0.0 L	10.0000	5.0000	20.0000	0.0 N
3AKA627	0.0 N	10.0000	15.0000	30.0000	30.0000	0.0 L	10.0000	15.0000	30.0000	0.0 N
4AKA624	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	15.0000	20.0000	0.0 N
5AKA625	0.0 N	10.0000	20.0000	30.0000	20.0000	5.0000	10.0000	15.0000	70.0000	0.0 N
6AKA626	0.0 N	15.0000	10.0000	30.0000	0.0 L	0.0 L	10.0000	7.0000	0.0 L	0.0 N
7AKA629	0.0 N	0.0 L	10.0000	15.0000	30.0000	0.0 N	10.0000	0.0 L	15.0000	0.0 N
8AKA628	0.0 N	10.0000	15.0000	20.0000	0.0 L	0.0 L	10.0000	7.0000	70.0000	0.0 N
9AKA621	0.0 N	10.0000	15.0000	15.0000	0.0 L	7.0000	10.0000	5.0000	15.0000	0.0 N
1240AKA438	0.0 N	30.0000	100.0000	70.0000	30.0000	0.0 L	15.0000	70.0000	30.0000	0.0 N
1AKA439	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 L	15.0000	150.0000	20.0000	0.0 N
2AKA440	0.0 N	50.0000	150.0000	70.0000	150.0000	5.0000	15.0000	150.0000	20.0000	0.0 N
3AKA441	0.0 N	70.0000	200.0000	150.0000	70.0000	5.0000	15.0000	150.0000	50.0000	0.0 N
4AKA442	0.0 N	20.0000	70.0000	70.0000	30.0000	0.0 L	15.0000	30.0000	30.0000	0.0 N
5AKA443	0.0 N	30.0000	100.0000	70.0000	20.0000	0.0 L	15.0000	50.0000	30.0000	0.0 N
6AKA444	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	15.0000	30.0000	30.0000	0.0 N
7AKA445	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	20.0000	20.0000	0.0 N
8AKA446	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	150.0000	30.0000	0.0 N
9AKA447	0.0 N	50.0000	150.0000	70.0000	20.0000	0.0 L	10.0000	150.0000	15.0000	0.0 N
1250AKA448	0.0 N	0.0 L	10.0000	0.0 L	20.0000	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
1201AKA617	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
1AKA620	10.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
3AKA619	10.0000	0.0 L	200.0000	100.0000	0.0 N	15.0000	0.0 L	300.0000	0.0200L
4AKA618	7.0000	0.0 N	200.0000	100.0000	0.0 N	10.0000	0.0 N	150.0000	0.0200L
5AKA637	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
6AKA616	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000	0.0200L
7AKA636	10.0000	0.0 N	150.0000	50.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
8AKA632	7.0000	0.0 N	100.0000	50.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
9AKA615	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
1210AKA614	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
1AKA635	7.0000	0.0 L	150.0000	50.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
2AKA634	15.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
3AKA633	10.0000	0.0 L	150.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
4AKA284	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000	0.0200L
5AKI002	15.0000	0.0 N	150.0000	100.0000	0.0 N	20.0000	0.0 N	150.0000	0.0200L
6AKA280	15.0000	0.0 N	200.0000	70.0000	0.0 N	30.0000	0.0 L	150.0000	0.0200L
7AKA281	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	150.0000	0.0200L
8AKA281	10.0000	0.0 N	0.0 N	30.0000	0.0 N	20.0000	0.0 N	70.0000	0.0200L
9AKA282	10.0000	0.0 N	150.0000	100.0000	0.0 N	15.0000	0.0 N	100.0000	0.0200L
1220AKA283	15.0000	15.0000	300.0000	150.0000	0.0 N	20.0000	300.0000	200.0000	0.0200L
1AKA289	15.0000	30.0000	300.0000	150.0000	0.0 N	15.0000	300.0000	70.0000	0.0200L
2AKA290	15.0000	0.0 L	200.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
3AKA288	10.0000	0.0 L	300.0000	150.0000	0.0 N	30.0000	200.0000	100.0000	0.0200L
4AKA287	15.0000	15.0000	300.0000	150.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
5AKA286	10.0000	15.0000	200.0000	100.0000	0.0 N	30.0000	200.0000	200.0000	0.0200L
6AKA285	15.0000	0.0 L	500.0000	150.0000	0.0 N	20.0000	200.0000	70.0000	0.0200L
7AKA865	15.0000	0.0 N	500.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
8AKA866	7.0000	30.0000	200.0000	150.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
9AKA631	15.0000	0.0 L	150.0000	70.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
1230AKA630	10.0000	0.0 L	200.0000	70.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
1AKA623	20.0000	10.0000	150.0000	150.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
2AKA622	15.0000	10.0000	200.0000	150.0000	0.0 M	15.0000	0.0 L	200.0000	0.0200L
3AKA627	15.0000	0.0 L	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
4AKA624	15.0000	0.0 L	300.0000	200.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
5AKA625	15.0000	10.0000	300.0000	150.0000	0.0 N	50.0000	0.0 L	100.0000	0.0200L
6AKA626	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
7AKA629	10.0000	0.0 L	300.0000	70.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
8AKA628	15.0000	0.0 L	300.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000	0.0200L
9AKA621	15.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 L	200.0000	0.0200L
1240AKA438	30.0000	0.0 N	500.0000	300.0000	0.0 N	50.0000	0.0 L	200.0000	0.0200L
1AKA439	20.0000	0.0 N	0.0 L	300.0000	0.0 N	30.0000	200.0000	300.0000	0.0200L
2AKA440	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	200.0000	150.0000	0.0200L
3AKA441	20.0000	0.0 N	100.0000	300.0000	0.0 N	50.0000	300.0000	300.0000	0.0200L
4AKA442	30.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
5AKA443	20.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000	0.0200L
6AKA444	15.0000	0.0 N	700.0000	500.0000	0.0 N	20.0000	0.0 L	70.0000	0.0200L
7AKA445	15.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 L	300.0000	0.0200L
8AKA446	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	200.0000	0.0800
9AKA447	0.0 L	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000	200.0000	0.0400
1250AKA448	15.0000	0.0 N	200.0000	30.0000	0.0 N	50.0000	0.0 N	1000.0000	0.0200L

TABLE 1

SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
1251 AKA449	15.0000	1.0000	1.5000	0.7000	700.0000	0.0 L	0.0 N	15.0000	1000.0000	0.0 L
2 AKA450	10.0000	0.7000	1.0000	0.5000	700.0000	0.0 L	0.0 N	0.0 L	1500.0000	1.0000
3 AK1824	7.0000	1.5000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	20.0000	500.0000	1.0000
4 AK1825	10.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	30.0000	700.0000	1.5000
5 AK1826	7.0000	1.5000	2.0000	0.7000	1500.0000	0.0 L	0.0 L	50.0000	700.0000	2.0000
6 AKA451	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 N	0.0 N	10.0000	1500.0000	1.5000
7 AKA452	3.0000	0.7000	1.0000	0.3000	300.0000	0.0 L	0.0 N	0.0 N	1000.0000	1.0000
8 AKA453	5.0000	1.0000	1.5000	0.3000	500.0000	0.0 L	0.0 N	0.0 N	1000.0000	1.5000
9 AKA454	5.0000	0.7000	1.5000	0.5000	700.0000	0.0 L	0.0 N	0.0 N	1000.0000	1.5000
1260 AKA455	3.0000	0.7000	0.7000	0.2000	1000.0000	0.0 L	0.0 N	15.0000	700.0000	2.0000
1 AKA456	10.0000	0.7000	0.7000	0.5000	2000.0000	0.0 N	0.0 N	30.0000	1000.0000	3.0000
2 AKA457	10.0000	0.7000	0.5000	0.5000	2000.0000	0.0 N	0.0 N	30.0000	1000.0000	3.0000
3 AKA458	3.0000	0.7000	0.3000	0.3000	700.0000	0.0 N	0.0 N	10.0000	1000.0000	1.5000
4 AKA459	5.0000	0.7000	0.3000	0.5000	1000.0000	0.0 N	0.0 N	10.0000	700.0000	2.0000
5 AKA460	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	150.0000	1500.0000	1.5000
6 AKA461	1.5000	0.3000	0.3000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	700.0000	1.0000
7 AKA462	3.0000	0.3000	0.1500	0.2000	500.0000	2.0000	0.0 N	10.0000	700.0000	1.5000
8 AKA464	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	30.0000	700.0000	1.5000
9 AKA465	7.0000	0.7000	0.7000	0.7000	700.0000	0.0 N	0.0 N	10.0000	1500.0000	1.5000
1270 AKA466	3.0000	0.3000	0.7000	0.1500	300.0000	0.0 N	0.0 N	0.0 L	1000.0000	1.0000

TABLE 1

SAMPLE	BI PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	SB PPM
1257 AKA449	0.0 N	10.0000	70.0000	5.0000	20.0000	0.0 N	0.0 L	15.0000	15.0000	0.0 N
2 AKA450	0.0 N	10.0000	20.0000	30.0000	20.0000	0.0 N	10.0000	10.0000	50.0000	0.0 N
3 AKI824	0.0 N	20.0000	70.0000	10.0000	0.0 N	0.0 L	10.0000	20.0000	100.0000	0.0 L
4 AKI825	0.0 N	30.0000	70.0000	10.0000	20.0000	0.0 L	10.0000	30.0000	100.0000	0.0 L
5 AKI826	0.0 N	30.0000	50.0000	10.0000	20.0000	0.0 L	10.0000	20.0000	70.0000	0.0 L
6 AKA451	0.0 N	0.0 L	10.0000	7.0000	20.0000	0.0 N	10.0000	5.0000	15.0000	0.0 N
7 AKA452	0.0 N	0.0 L	10.0000	10.0000	0.0 N	0.0 L	0.0 L	10.0000	30.0000	0.0 N
8 AKA453	0.0 N	5.0000	20.0000	30.0000	0.0 N	0.0 N	0.0 L	10.0000	10.0000	0.0 N
9 AKA454	0.0 N	5.0000	30.0000	7.0000	0.0 L	0.0 N	10.0000	10.0000	20.0000	0.0 N
1260 AKA455	0.0 N	0.0 L	15.0000	10.0000	20.0000	0.0 L	10.0000	5.0000	70.0000	0.0 N
1 AKA456	0.0 N	7.0000	20.0000	15.0000	50.0000	7.0000	10.0000	15.0000	20.0000	0.0 N
2 AKA457	0.0 N	5.0000	20.0000	15.0000	50.0000	7.0000	10.0000	15.0000	30.0000	0.0 N
3 AKA458	0.0 N	0.0 N	10.0000	100.0000	0.0 L	0.0 L	0.0 L	10.0000	10.0000	0.0 N
4 AKA459	0.0 N	0.0 L	20.0000	0.0 L	20.0000	0.0 L	10.0000	0.0 M	15.0000	0.0 N
5 AKA460	0.0 N	15.0000	100.0000	30.0000	20.0000	0.0 N	10.0000	30.0000	20.0000	0.0 N
6 AKA461	0.0 N	0.0 N	10.0000	0.0 L	0.0 L	0.0 N	0.0 L	0.0 N	10.0000	0.0 N
7 AKA462	0.0 N	0.0 L	10.0000	5.0000	20.0000	0.0 L	10.0000	0.0 L	30.0000	0.0 N
8 AKA464	0.0 N	5.0000	100.0000	7.0000	20.0000	0.0 N	10.0000	20.0000	0.0 L	0.0 N
9 AKA465	0.0 N	0.0 L	10.0000	0.0 L	20.0000	0.0 N	10.0000	10.0000	10.0000	0.0 N
1270 AKA466	0.0 N	0.0 N	0.0 L	0.0 L	0.0 L	0.0 N	0.0 L	10.0000	10.0000	0.0 N

TABLE 1

SAMPLE	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
1251 AKA449	10.0000	0.0 L	300.0000	150.0000	0.0 N	20.0000	0.0 N	200.0000	0.0200L
1252 AKA450	7.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	200.0000	0.0200L
1253 AKA451	15.0000	15.0000	300.0000	200.0000	0.0 N	15.0000	200.0000	100.0000	0.0200L
1254 AKA452	30.0000	15.0000	300.0000	200.0000	0.0 N	20.0000	300.0000	150.0000	0.0200L
1255 AKA453	30.0000	20.0000	500.0000	200.0000	0.0 N	20.0000	300.0000	200.0000	0.0200L
1256 AKA454	5.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
1257 AKA455	7.0000	0.0 L	150.0000	70.0000	0.0 N	10.0000	0.0 N	200.0000	0.0200L
1258 AKA456	7.0000	0.0 L	300.0000	150.0000	0.0 N	15.0000	0.0 N	200.0000	0.0200L
1259 AKA457	15.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
1260 AKA458	10.0000	0.0 L	150.0000	70.0000	0.0 N	30.0000	0.0 L	200.0000	0.0200L
1261 AKA459	20.0000	0.0 N	200.0000	70.0000	0.0 N	50.0000	200.0000	300.0000	0.0200L
1262 AKA460	10.0000	0.0 N	100.0000	70.0000	0.0 N	30.0000	0.0 L	300.0000	0.0200L
1263 AKA461	15.0000	0.0 L	200.0000	100.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
1264 AKA462	5.0000	0.0 N	100.0000	30.0000	0.0 N	15.0000	0.0 L	500.0000	0.0200L
1265 AKA463	7.0000	0.0 N	0.0 L	30.0000	0.0 N	30.0000	0.0 L	500.0000	0.0600
1266 AKA464	15.0000	0.0 N	200.0000	100.0000	0.0 N	20.0000	0.0 L	200.0000	0.0200L
1267 AKA465	15.0000	0.0 N	200.0000	70.0000	0.0 N	20.0000	0.0 N	300.0000	0.0200L
1270 AKA466	5.0000	0.0 N	150.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000	0.0200L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E-02	5.6E-02	0	0	0.0	0.0
5.6E-02	8.3E-02	0	0	0.0	0.0
8.3E-02	1.2E-01	0	0	0.0	0.0
1.2E-01	1.8E-01	0	0	0.0	0.0
1.8E-01	2.6E-01	0	0	0.0	0.0
2.6E-01	3.8E-01	2	2	0.16	0.16
3.8E-01	5.6E-01	0	2	0.0	0.16
5.6E-01	8.3E-01	5	7	0.39	0.55
8.3E-01	1.2E 00	7	14	0.55	1.10
1.2E 00	1.8E 00	20	34	1.57	2.68
1.8E 00	2.6E 00	22	56	1.73	4.41
2.6E 00	3.8E 00	279	335	21.97	26.38
3.8E 00	5.6E 00	266	601	20.94	47.32
5.6E 00	8.3E 00	214	815	16.85	64.17
8.3E 00	1.2E 01	241	1056	18.98	83.15
1.2E 01	1.8E 01	204	1260	16.06	99.21
1.8E 01	2.6E 01	10	1270	0.79	100.00

HISTOGRAM FOR COLUMN 1 (FE PCT)

1.0E 00 X
1.5E 00 XX
2.0E 00 XX
3.0E 00 XXXXXXXXXXXXXXXXXXXX
5.0E 00 XXXXXXXXXXXXXXXXXXXX
7.0E 00 XXXXXXXXXXXXXXXXXXXX
1.0E 01 XXXXXXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXX
2.0E 01 X

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	1270
0.0	0.0			0.0	0.0	

MAXIMUM = 2.00000E 01
MINIMUM = 3.00000E-01
GEOMETRIC MEAN = 6.15155E 00
GEOMETRIC DEVIATION = 1.90248E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
1.8E-02	2.6E-02	0	0	0.0	0.0
2.6E-02	3.8E-02	0	0	0.0	0.0
3.8E-02	5.6E-02	0	0	0.0	0.0
5.6E-02	8.3E-02	5	5	0.39	0.39
8.3E-02	1.2E-01	0	5	0.0	0.39
1.2E-01	1.8E-01	3	8	0.24	0.63
1.8E-01	2.6E-01	9	17	0.71	1.34
2.6E-01	3.8E-01	45	62	3.54	4.88
3.8E-01	5.6E-01	22	84	1.73	6.61
5.6E-01	8.3E-01	177	261	13.94	20.55
8.3E-01	1.2E 00	304	565	23.94	44.49
1.2E 00	1.8E 00	402	967	31.65	76.14
1.8E 00	2.6E 00	137	1104	10.79	86.93
2.6E 00	3.8E 00	121	1225	9.53	96.46
3.8E 00	5.6E 00	31	1256	2.44	98.90
5.6E 00	8.3E 00	14	1270	1.10	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

2.0E-01 X
3.0E-01 XXXX
5.0E-01 XX
7.0E-01 XXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXXXXXXXXXXXXXXXXXX
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 00 XXXXXXXXXXXXXXXX
3.0E 00 XXXXXXXXXXXXXXXX
5.0E 00 XX
7.0E 00 X

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	1270
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 00
MINIMUM = 7.00000E-02
GEOMETRIC MEAN = 1.26843E 00
GEOMETRIC DEVIATION = 1.88177E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E-02	5.6E-02	0	0	0.0	0.0
5.6E-02	8.3E-02	1	1	0.08	0.08
8.3E-02	1.2E-01	0	1	0.0	0.08
1.2E-01	1.8E-01	27	28	2.13	2.20
1.8E-01	2.6E-01	21	49	1.65	3.86
2.6E-01	3.8E-01	58	107	4.57	8.43
3.8E-01	5.6E-01	97	204	7.64	16.06
5.6E-01	8.3E-01	316	520	24.88	40.94
8.3E-01	1.2E 00	194	714	15.28	56.22
1.2E 00	1.8E 00	356	1070	28.03	84.25
1.8E 00	2.6E 00	122	1192	9.61	93.86
2.6E 00	3.8E 00	52	1244	4.09	97.95
3.8E 00	5.6E 00	18	1262	1.42	99.37
5.6E 00	8.3E 00	4	1266	0.31	99.69
8.3E 00	1.2E 01	1	1267	0.08	99.76
1.2E 01	1.8E 01	1	1268	0.08	99.84

HISTOGRAM FOR COLUMN 3 (CA PCT)

1.5E-01 XX
2.0E-01 XX
3.0E-01 XXXX
5.0E-01 XXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXXXXXXXXXX
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 00 XXXXXXXXXXXX
3.0E 00 XXXX
5.0E 00 X
7.0E 00
1.0E 01
1.5E 01

N	L	H	8	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	1268
0.0	0.16	0	0	0.0	0.0	0.0

MAXIMUM = 1.50000E 01
MINIMUM = 7.00000E-02
GEOMETRIC MEAN = 9.92426E-01 GEOMETRIC DEVIATION = 1.97143E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
1.8E-03	2.6E-03	0	0	0.0	0.0
2.6E-03	3.8E-03	0	0	0.0	0.0
3.8E-03	5.6E-03	0	0	0.0	0.0
5.6E-03	8.3E-03	0	0	0.0	0.0
8.3E-03	1.2E-02	0	0	0.0	0.0
1.2E-02	1.8E-02	0	0	0.0	0.0
1.8E-02	2.6E-02	0	0	0.0	0.0
2.6E-02	3.8E-02	0	0	0.0	0.0
3.8E-02	5.6E-02	2	2	0.16	0.16
5.6E-02	8.3E-02	6	8	0.47	0.63
8.3E-02	1.2E-01	11	19	0.87	1.50
1.2E-01	1.8E-01	35	54	2.76	4.25
1.8E-01	2.6E-01	67	121	5.28	9.53
2.6E-01	3.8E-01	352	473	27.72	37.24
3.8E-01	5.6E-01	356	829	28.03	65.28
5.6E-01	8.3E-01	393	1222	30.94	96.22
8.3E-01	1.2E 00	48	1270	3.78	100.00

HISTOGRAM FOR COLUMN 4 (TI PCT)

1.0E-01 X
1.5E-01 XXX
2.0E-01 XXXXX
3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXX

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	1270
0.0	0.0	0	0	0.0	0.0	

MAXIMUM = 1.00000E 00
MINIMUM = 5.00000E-02
GEOMETRIC MEAN = 4.43667E-01
GEOMETRIC DEVIATION = 1.64014E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	1	1	0.08	0.08
8.3E 01 -	1.2E 02	1	2	0.08	0.16
1.2E 02 -	1.8E 02	4	6	0.31	0.47
1.8E 02 -	2.6E 02	6	12	0.47	0.94
2.6E 02 -	3.8E 02	70	82	5.51	6.46
3.8E 02 -	5.6E 02	87	169	6.85	13.31
5.6E 02 -	8.3E 02	250	419	19.69	32.99
8.3E 02 -	1.2E 03	330	749	25.98	58.98
1.2E 03 -	1.8E 03	424	1173	33.39	92.36
1.8E 03 -	2.6E 03	66	1239	5.20	97.56
2.6E 03 -	3.8E 03	24	1263	1.89	99.45
3.8E 03 -	5.6E 03	7	1270	0.55	100.00

HISTOGRAM FOR COLUMN 5 (MN PPM)

3.0E 02 XXXXX
5.0E 02 XXXXXX
7.0E 02 XXXXXXXXXXXXXXXXXXXX
1.0E 03 XXXXXXXXXXXXXXXXXXXX
1.5E 03 XXXXXXXXXXXXXXXXXXXX
2.0E 03 XXXX
3.0E 03 XX
5.0E 03 X

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	1270
0.0	0.0			0.0	0.0	

MAXIMUM = 5.0000E 03
MINIMUM = 7.0000E 01
GEOMETRIC MEAN = 9.99331E 02
GEOMETRIC DEVIATION = 1.70706E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
3.8E-01	5.6E-01	129	129	10.16	10.16
5.6E-01	8.3E-01	108	237	8.50	18.66
8.3E-01	1.2E 00	93	330	7.32	25.98
1.2E 00	1.8E 00	92	422	7.24	33.23
1.8E 00	2.6E 00	10	432	0.79	34.02
2.6E 00	3.8E 00	15	447	1.18	35.20
3.8E 00	5.6E 00	5	452	0.39	35.59
5.6E 00	8.3E 00	6	458	0.47	36.06
8.3E 00	1.2E 01	0	458	0.0	36.06
1.2E 01	1.8E 01	4	462	0.31	36.38
1.8E 01	2.6E 01	0	462	0.0	36.38
2.6E 01	3.8E 01	3	465	0.24	36.61
3.8E 01	5.6E 01	1	466	0.08	36.69

HISTOGRAM FOR COLUMN 6 (AG PPM)

5.0E-01 XXXXXXXXXXXX

7.0E-01 XXXXXXXXXXXX

1.0E 00 XXXXXXXX

1.5E 00 XXXXXXXX

2.0E 00 X

3.0E 00 X

5.0E 00

7.0E 00

1.0E 01

1.5E 01

2.0E 01

3.0E 01

5.0E 01

N	L	H	B	T	G	ANALYTICAL VALUES
261	543	0	0	0	0	466
20.55	42.76			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 9.52757E-01

GEOMETRIC DEVIATION = 2.01317E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
1.8E 02 -	2.6E 02	38	38	2.99	2.99
2.6E 02 -	3.8E 02	35	73	2.76	5.75
3.8E 02 -	5.6E 02	14	87	1.10	6.85
5.6E 02 -	8.3E 02	12	99	0.94	7.80
8.3E 02 -	1.2E 03	1	100	0.08	7.87
1.2E 03 -	1.8E 03	4	104	0.31	8.19
1.8E 03 -	2.6E 03	0	104	0.0	8.19
2.6E 03 -	3.8E 03	5	109	0.39	8.58
3.8E 03 -	5.6E 03	0	109	0.0	8.58
5.6E 03 -	8.3E 03	1	110	0.08	8.66

HISTOGRAM FOR COLUMN 7 (AS PPM)

2.0E 02 XXX

3.0E 02 XXX

5.0E 02 X

7.0E 02 X

1.0E 03

1.5E 03

2.0E 03

3.0E 03

5.0E 03

7.0E 03

ANALYTICAL
VALUES
110

T 0.0
G 0.0

B 0

H 0

L 103

N 1057

83.23 8.11

MAXIMUM = 7.00000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.73864E 02

GEOMETRIC DEVIATION = 2.11856E 00

FREQUENCY TABLE FOR COLUMN 8 (8 PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
8.3E 00 -	1.2E 01	134	134	10.55	10.55
1.2E 01 -	1.8E 01	76	210	5.98	16.54
1.8E 01 -	2.6E 01	106	316	8.35	24.88
2.6E 01 -	3.8E 01	200	516	15.75	40.63
3.8E 01 -	5.6E 01	118	634	9.29	49.92
5.6E 01 -	8.3E 01	114	748	8.98	58.90
8.3E 01 -	1.2E 02	62	810	4.88	63.78
1.2E 02 -	1.8E 02	67	877	5.28	69.06
1.8E 02 -	2.6E 02	35	912	2.76	71.81
2.6E 02 -	3.8E 02	22	934	1.73	73.54
3.8E 02 -	5.6E 02	7	941	0.55	74.09
5.6E 02 -	8.3E 02	1	942	0.08	74.17
8.3E 02 -	1.2E 03	2	944	0.16	74.33
1.2E 03 -	1.8E 03	1	945	0.08	74.41
1.8E 03 -	2.6E 03	4	949	0.31	74.72

HISTOGRAM FOR COLUMN 8 (8 PPM)

1.0E 01	XXXXXXXXXX
1.5E 01	XXXXXX
2.0E 01	XXXXXXXXXX
3.0E 01	XXXXXXXXXXXXXXXXXX
5.0E 01	XXXXXXXXXX
7.0E 01	XXXXXXXXXX
1.0E 02	XXXXX
1.5E 02	XXXXX
2.0E 02	XXX
3.0E 02	XX
5.0E 02	X
7.0E 02	
1.0E 03	
1.5E 03	
2.0E 03	

N	L	H	B	T	G	ANALYTICAL VALUES
180	141	0	0	0	0	949
14.17	11.10			0.0	0.0	

MAXIMUM = 2.00000E 03 GEOMETRIC MEAN = 3.96170E 01
 MINIMUM = 1.00000E 01 GEOMETRIC DEVIATION = 2.70372E 00

FREQUENCY TABLE FOR COLUMN 9 (8A PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	0	0	0.0	0.0
8.3E 01 -	1.2E 02	3	3	0.24	0.24
1.2E 02 -	1.8E 02	16	19	1.26	1.50
1.8E 02 -	2.6E 02	14	33	1.10	2.60
2.6E 02 -	3.8E 02	309	342	24.33	26.93
3.8E 02 -	5.6E 02	166	508	13.07	40.00
5.6E 02 -	8.3E 02	565	1073	44.49	84.49
8.3E 02 -	1.2E 03	102	1175	8.03	92.52
1.2E 03 -	1.8E 03	88	1263	6.93	99.45
1.8E 03 -	2.6E 03	1	1264	0.08	99.53
2.6E 03 -	3.8E 03	5	1269	0.39	99.92

HISTOGRAM FOR COLUMN 9 (8A PPM)

1.5E 02 X
2.0E 02 X
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXXXXXXXXXXXXXXX
7.0E 02 XX
1.0E 03 XXXXXXXX
1.5E 03 XXXXXXXX
2.0E 03
3.0E 03

ANALYTICAL VALUES		T	G
N	L	H	B
0	1	0	0
0.0	0.08	0.0	0.0

MAXIMUM = 3.00000E 03
MINIMUM = 1.00000E 02
GEOMETRIC MEAN = 5.72919E 02
GEOMETRIC DEVIATION = 1.66935E 00

FREQUENCY TABLE FOR COLUMN 10 (BE PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER - UPPER					
8.3E-01 - 1.2E 00	291	291	22.91	22.91	22.91
1.2E 00 - 1.8E 00	398	689	31.34	54.25	54.25
1.8E 00 - 2.6E 00	109	798	8.58	62.83	62.83
2.6E 00 - 3.8E 00	100	898	7.87	70.71	70.71
3.8E 00 - 5.6E 00	22	920	1.73	72.44	72.44
5.6E 00 - 8.3E 00	7	927	0.55	72.99	72.99
8.3E 00 - 1.2E 01	3	930	0.24	73.23	73.23
1.2E 01 - 1.8E 01	2	932	0.16	73.39	73.39
1.8E 01 - 2.6E 01	1	933	0.08	73.46	73.46

HISTOGRAM FOR COLUMN 10 (BE PPM)

1.0E 00 XXXXXXXXXXXXXXXXXXXXXXXX
 1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXX
 2.0E 00 XXXXXXXXXXXXXXXX
 3.0E 00 XXXXXXXX
 5.0E 00 XX
 7.0E 00 X

ANALYTICAL VALUES		T	G
N	L	H	B
73	264	0	0
5.75	20.79	0.0	0.0

MAXIMUM = 2.00000E 01
 MINIMUM = 1.00000E 00
 GEOMETRIC MEAN = 1.55372E 00
 GEOMETRIC DEVIATION = 1.55255E 00

FREQUENCY TABLE FOR COLUMN 11 (BI PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E 00	1.2E 01	5	5	0.39	0.39
1.2E 01	1.8E 01	2	7	0.16	0.55
1.8E 01	2.6E 01	5	12	0.39	0.94
2.6E 01	3.8E 01	3	15	0.24	1.18
3.8E 01	5.6E 01	2	17	0.16	1.34
5.6E 01	8.3E 01	1	18	0.08	1.42

HISTOGRAM FOR COLUMN 11 (BI PPM)

N	L	H	B	T	G	ANALYTICAL VALUES
1240	12	0	0	0	0	18
97.64	0.94			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.02914E 01

GEOMETRIC DEVIATION = 1.83871E 00

FREQUENCY TABLE FOR COLUMN 12 (CO PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00	5.6E 00	79	79	6.22	6.22
5.6E 00	8.3E 00	60	139	4.72	10.94
8.3E 00	1.2E 01	141	280	11.10	22.05
1.2E 01	1.8E 01	196	476	15.43	37.48
1.8E 01	2.6E 01	241	717	18.98	56.46
2.6E 01	3.8E 01	274	991	21.57	78.03
3.8E 01	5.6E 01	73	1064	5.75	83.78
5.6E 01	8.3E 01	45	1109	3.54	87.32
8.3E 01	1.2E 02	9	1118	0.71	88.03
1.2E 02	1.8E 02	2	1120	0.16	88.19

HISTOGRAM FOR COLUMN 12 (CO PPM)

5.0E 00 XXXXX
7.0E 00 XXXX
1.0E 01 XXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXX
5.0E 01 XXXXX
7.0E 01 XXXX
1.0E 02 X
1.5E 02

ANALYTICAL
VALUES
1120

G 0.0
T 0.0
O 0.0

B 0

H 0

L 86
5.04 6.77

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.87215E 01

GEOMETRIC DEVIATION = 1.95952E 00

FREQUENCY TABLE FOR COLUMN 13 (CR PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	1	1	0.08	0.08
8.3E 00 -	1.2E 01	83	84	6.54	6.61
1.2E 01 -	1.8E 01	91	175	7.17	13.78
1.8E 01 -	2.6E 01	74	249	5.83	19.61
2.6E 01 -	3.8E 01	172	421	13.54	33.15
3.8E 01 -	5.6E 01	87	508	6.85	40.00
5.6E 01 -	8.3E 01	121	629	9.53	49.53
8.3E 01 -	1.2E 02	92	721	7.24	56.77
1.2E 02 -	1.8E 02	357	1078	28.11	84.88
1.8E 02 -	2.6E 02	32	1110	2.52	87.40
2.6E 02 -	3.8E 02	59	1169	4.65	92.05
3.8E 02 -	5.6E 02	9	1178	0.71	92.76
5.6E 02 -	8.3E 02	13	1191	1.02	93.78

HISTOGRAM FOR COLUMN 13 (CR PPM)

1.0E 01 XXXXXXXX
1.5E 01 XXXXXXXX
2.0E 01 XXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXX
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 02 XXX
3.0E 02 XXXXX
5.0E 02 X
7.0E 02 X

N	L	H	B	T	G	ANALYTICAL VALUES
1	78	0	0	0	0	1191
0.08	6.14			0.0	0.0	

MAXIMUM = 7.00000E 02
MINIMUM = 7.00000E 00
GEOMETRIC MEAN = 6.43651E 01
GEOMETRIC DEVIATION = 2.79935E 00

FREQUENCY TABLE FOR COLUMN 14 (CU PPM)

LIMITS	FREQ	FREQ CUM	PERCENT	
			FREQ	PERCENT
LOWER - UPPER				
3.8E 00 - 5.6E 00	38	38	2.99	2.99
5.6E 00 - 8.3E 00	32	70	2.52	5.51
8.3E 00 - 1.2E 01	51	121	4.02	9.53
1.2E 01 - 1.8E 01	58	179	4.57	14.09
1.8E 01 - 2.6E 01	85	264	6.69	20.79
2.6E 01 - 3.8E 01	216	480	17.01	37.80
3.8E 01 - 5.6E 01	184	664	14.49	52.28
5.6E 01 - 8.3E 01	346	1010	27.24	79.53
8.3E 01 - 1.2E 02	78	1088	6.14	85.67
1.2E 02 - 1.8E 02	87	1175	6.85	92.52
1.8E 02 - 2.6E 02	28	1203	2.20	94.72
2.6E 02 - 3.8E 02	18	1221	1.42	96.14
3.8E 02 - 5.6E 02	3	1224	0.24	96.38
5.6E 02 - 8.3E 02	2	1226	0.16	96.54
8.3E 02 - 1.2E 03	0	1226	0.0	96.54
1.2E 03 - 1.8E 03	1	1227	0.08	96.61

HISTOGRAM FOR COLUMN 14 (CU PPM)

5.0E 00	XXX
7.0E 00	XXX
1.0E 01	XXXX
1.5E 01	XXXXX
2.0E 01	XXXXXXX
3.0E 01	XXXXXXXXXXXXXXXXXXXX
5.0E 01	XXXXXXXXXXXXXXXXXXXX
7.0E 01	XXXXXXXXXXXXXXXXXXXX
1.0E 02	XXXXXX
1.5E 02	XXXXXXX
2.0E 02	XX
3.0E 02	X
5.0E 02	
7.0E 02	
1.0E 03	
1.5E 03	

MAXIMUM = 1.50000E 03
 MINIMUM = 5.00000E 00
 GEOMETRIC MEAN = 4.46768E 01
 GEOMETRIC DEVIATION = 2.45629E 00

N	L	H	B	T	G	ANALYTICAL VALUES
1	42	0	0	0	0	
0.08	3.31			0.0	0.0	

FREQUENCY TABLE FOR COLUMN 15 (LA PPM)

LIMITS		FREQ		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM
1.8E 01 -	2.6E 01	244	244	19.21	19.21
2.6E 01 -	3.8E 01	109	353	8.58	27.80
3.8E 01 -	5.6E 01	38	391	2.99	30.79
5.6E 01 -	8.3E 01	26	417	2.05	32.83
8.3E 01 -	1.2E 02	15	432	1.18	34.02
1.2E 02 -	1.8E 02	17	449	1.34	35.35
1.8E 02 -	2.6E 02	1	450	0.08	35.43
2.6E 02 -	3.8E 02	4	454	0.31	35.75

HISTOGRAM FOR COLUMN 15 (LA PPM)

2.0E 01 XXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXX

5.0E 01 XXX

7.0E 01 XX

1.0E 02 X

1.5E 02 X

2.0E 02

3.0E 02

N	L	H	B	T	G	ANALYTICAL VALUES
354	462	0	0	0	0	454
27.87	36.38			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 2.99339E 01

GEOMETRIC DEVIATION = 1.80993E 00

FREQUENCY TABLE FOR COLUMN 16 (MO PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER -	UPPER				
3.8E 00 -	5.6E 00	88	88	6.93	6.93
5.6E 00 -	8.3E 00	42	130	3.31	10.24
8.3E 00 -	1.2E 01	19	149	1.50	11.73
1.2E 01 -	1.8E 01	17	166	1.34	13.07
1.8E 01 -	2.6E 01	4	170	0.31	13.39
2.6E 01 -	3.8E 01	3	173	0.24	13.62
3.8E 01 -	5.6E 01	7	180	0.55	14.17
5.6E 01 -	8.3E 01	4	184	0.31	14.49

HISTOGRAM FOR COLUMN 16 (MO PPM)

5.0E 00 XXXXXXXX

7.0E 00 XXX

1.0E 01 X

1.5E 01 X

2.0E 01

3.0E 01

5.0E 01 X

7.0E 01

N	L	H	B	T	G	ANALYTICAL VALUES
198	888	0	0	0	0	184
15.59	69.92			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 7.87441E 00

GEOMETRIC DEVIATION = 1.92700E 00

FREQUENCY TABLE FOR COLUMN 17 (NB PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER		CUM	CUM	FREQ	FREQ CUM
8.3E 00 -	1.2E 01	878	878	69.13	69.13
1.2E 01 -	1.8E 01	133	1011	10.47	79.61
1.8E 01 -	2.6E 01	15	1026	1.18	80.79
2.6E 01 -	3.8E 01	6	1032	0.47	81.26

HISTOGRAM FOR COLUMN 17 (NB PPM)

1.0E 01 XXX

1.5E 01 XXXXXXXXXX

2.0E 01 X

3.0E 01

ANALYTICAL		VALUES	
N	L	H	B
0	238	0	0
0.0	18.74		

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.07073E 01

GEOMETRIC DEVIATION = 1.19380E 00

FREQUENCY TABLE FOR COLUMN 18 (NI PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00	5.6E 00	64	64	5.04	5.04
5.6E 00	8.3E 00	31	95	2.44	7.49
8.3E 00	1.2E 01	87	182	6.86	14.34
1.2E 01	1.8E 01	179	361	14.11	28.45
1.8E 01	2.6E 01	83	444	6.54	34.99
2.6E 01	3.8E 01	161	605	12.69	47.68
3.8E 01	5.6E 01	83	688	6.54	54.22
5.6E 01	8.3E 01	170	858	13.40	67.61
8.3E 01	1.2E 02	148	1006	11.66	79.28
1.2E 02	1.8E 02	157	1163	12.37	91.65
1.8E 02	2.6E 02	14	1177	1.10	92.75
2.6E 02	3.8E 02	2	1179	0.16	92.91

HISTOGRAM FOR COLUMN 18 (NI PPM)

5.0E 00 XXXXX
 7.0E 00 XX
 1.0E 01 XXXXXXX
 1.5E 01 XXXXXXXXXXXXXXX
 2.0E 01 XXXXXXX
 3.0E 01 XXXXXXXXXXXXXXX
 5.0E 01 XXXXXXX
 7.0E 01 XXXXXXXXXXXXXXX
 1.0E 02 XXXXXXXXXXXXXXX
 1.5E 02 XXXXXXXXXXXXXXX
 2.0E 02 X
 3.0E 02

ANALYTICAL
 VALUES
 0
 1179
 0.0

N 34
 L 56
 H 0
 2.68 4.41
 B 0
 T 0
 0.0

MAXIMUM = 3.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 3.66213E 01

GEOMETRIC DEVIATION = 2.80837E 00

FREQUENCY TABLE FOR COLUMN 19 (PB PPM)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
8.3E 00	1.2E 01	44	44	3.46	3.46	3.46	3.46
1.2E 01	1.8E 01	84	128	6.61	10.08	10.08	10.08
1.8E 01	2.6E 01	141	269	11.10	21.18	21.18	21.18
2.6E 01	3.8E 01	347	616	27.32	48.50	48.50	48.50
3.8E 01	5.6E 01	154	770	12.13	60.63	60.63	60.63
5.6E 01	8.3E 01	226	996	17.80	78.43	78.43	78.43
8.3E 01	1.2E 02	81	1077	6.38	84.80	84.80	84.80
1.2E 02	1.8E 02	93	1170	7.32	92.13	92.13	92.13
1.8E 02	2.6E 02	22	1192	1.73	93.86	93.86	93.86
2.6E 02	3.8E 02	29	1221	2.28	96.14	96.14	96.14
3.8E 02	5.6E 02	11	1232	0.87	97.01	97.01	97.01
5.6E 02	8.3E 02	10	1242	0.79	97.80	97.80	97.80
8.3E 02	1.2E 03	6	1248	0.47	98.27	98.27	98.27
1.2E 03	1.8E 03	2	1250	0.16	98.43	98.43	98.43
1.8E 03	2.6E 03	0	1250	0.0	98.43	98.43	98.43
2.6E 03	3.8E 03	0	1250	0.0	98.43	98.43	98.43
3.8E 03	5.6E 03	0	1250	0.0	98.43	98.43	98.43
5.6E 03	8.3E 03	1	1251	0.08	98.50	98.50	98.50
8.3E 03	1.2E 04	1	1252	0.08	98.58	98.58	98.58
1.2E 04	1.8E 04	1	1253	0.08	98.66	98.66	98.66

HISTOGRAM FOR COLUMN 19 (PB PPM)

1.0E 01 XXX
 1.5E 01 XXXXXXX
 2.0E 01 XXXXXXXXXXXX
 3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 5.0E 01 XXXXXXXXXXXXXXX
 7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
 1.0E 02 XXXXX
 1.5E 02 XXXXXXX
 2.0E 02 XX
 3.0E 02 XX
 5.0E 02 X
 7.0E 02 X
 1.0E 03
 1.5E 03
 2.0E 03
 3.0E 03
 5.0E 03

121

ANALYTICAL
VALUES
1253

T 0.0
0.0

B 0

H 0

L 1.18

N 0.16
2

MAXIMUM = 1.50010E 04

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 4.73064E 01

GEOMETRIC DEVIATION = 2.49274E 00

FREQUENCY TABLE FOR COLUMN 20 (SB PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
8.3E 01 -	1.2E 02	1	1	0.08	0.08
1.2E 02 -	1.8E 02	2	3	0.16	0.24

HISTOGRAM FOR COLUMN 20 (SB PPM)

N	L	H	B	T	G	ANALYTICAL VALUES
1244	22	0	0	0	0	3
98.03	1.73			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 1.31037E 02

GEOMETRIC DEVIATION = 1.26375E 00

FREQUENCY TABLE FOR COLUMN 21 (SC PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
3.8E 00 -	5.6E 00	50	50	3.94	3.94
5.6E 00 -	8.3E 00	88	138	6.93	10.87
8.3E 00 -	1.2E 01	204	342	16.06	26.93
1.2E 01 -	1.8E 01	667	1009	52.52	79.45
1.8E 01 -	2.6E 01	156	1165	12.28	91.73
2.6E 01 -	3.8E 01	50	1215	3.94	95.67

HISTOGRAM FOR COLUMN 21 (SC PPM)

```

5.0E 00 XXXX
7.0E 00 XXXXXXXX
1.0E 01 XXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXX
3.0E 01 XXXX

```

N	L	H	B	T	G	ANALYTICAL VALUES
16	39	0	0	0	0	1215
1.26	3.07			0.0	0.0	

MAXIMUM = 3.00000E 01
 MINIMUM = 5.00000E 00
 GEOMETRIC MEAN = 1.35288E 01
 GEOMETRIC DEVIATION = 1.45319E 00

FREQUENCY TABLE FOR COLUMN 22 (SN PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
8.3E 00 -	1.2E 01	93	93	7.33	7.33
1.2E 01 -	1.8E 01	88	181	6.93	14.26
1.8E 01 -	2.6E 01	17	198	1.34	15.60
2.6E 01 -	3.8E 01	29	227	2.29	17.89
3.8E 01 -	5.6E 01	3	230	0.24	18.12
5.6E 01 -	8.3E 01	5	235	0.39	18.52
8.3E 01 -	1.2E 02	2	237	0.16	18.68
1.2E 02 -	1.8E 02	1	238	0.08	18.75
1.8E 02 -	2.6E 02	3	241	0.24	18.99
2.6E 02 -	3.8E 02	2	243	0.16	19.15
3.8E 02 -	5.6E 02	1	244	0.08	19.23
5.6E 02 -	8.3E 02	0	244	0.0	19.23
8.3E 02 -	1.2E 03	1	245	0.08	19.31

HISTOGRAM FOR COLUMN 22 (SN PPM)

1.0E 01 XXXXXXX

1.5E 01 XXXXXXX

2.0E 01 X

3.0E 01 XX

5.0E 01

7.0E 01

1.0E 02

1.5E 02

2.0E 02

3.0E 02

5.0E 02

7.0E 02

1.0E 03

ANALYTICAL
VALUES
245

N	L	H	B	T	G
760	264	0	0	0	0
59.89	20.80			0.0	0.0

MAXIMUM = 1.00000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.66894E 01

GEOMETRIC DEVIATION = 2.04313E 00

FREQUENCY TABLE FOR COLUMN 23 (SR PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
8.3E 01	- 1.2E 02	147	147	11.57	11.57
1.2E 02	- 1.8E 02	291	438	22.91	34.49
1.8E 02	- 2.6E 02	289	727	22.76	57.24
2.6E 02	- 3.8E 02	353	1080	27.80	85.04
3.8E 02	- 5.6E 02	84	1164	6.61	91.65
5.6E 02	- 8.3E 02	38	1202	2.99	94.65
8.3E 02	- 1.2E 03	3	1205	0.24	94.88

HISTOGRAM FOR COLUMN 23 (SR PPM)

1.0E 02 XXXXXXXXXXXX
 1.5E 02 XXXXXXXXXXXXXXXXXXXX
 2.0E 02 XXXXXXXXXXXXXXXXXXXX
 3.0E 02 XXXXXXXXXXXXXXXXXXXX
 5.0E 02 XXXXXX
 7.0E 02 XXX
 1.0E 03

N	L	H	B	T	G	ANALYTICAL VALUES
14	51	0	0	0	0	1205
1.10	4.02			0.0	0.0	

MAXIMUM = 1.00000E 03
 MINIMUM = 1.00000E 02
 GEOMETRIC MEAN = 2.14933E 02
 GEOMETRIC DEVIATION = 1.62043E 00

FREQUENCY TABLE FOR COLUMN 24 (V PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	15	15	1.18	1.18
1.8E 01 -	2.6E 01	30	45	2.36	3.54
2.6E 01 -	3.8E 01	71	116	5.59	9.13
3.8E 01 -	5.6E 01	31	147	2.44	11.57
5.6E 01 -	8.3E 01	87	234	6.85	18.43
8.3E 01 -	1.2E 02	151	385	11.89	30.31
1.2E 02 -	1.8E 02	452	837	35.59	65.91
1.8E 02 -	2.6E 02	272	1109	21.42	87.32
2.6E 02 -	3.8E 02	148	1257	11.65	98.98
3.8E 02 -	5.6E 02	11	1268	0.87	99.84
5.6E 02 -	8.3E 02	2	1270	0.16	100.00

HISTOGRAM FOR COLUMN 24 (V PPM)

```

1.5E 01 X
2.0E 01 XX
3.0E 01 XXXXX
5.0E 01 XX
7.0E 01 XXXXXX
1.0E 02 XXXXXXXXXXXXX
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E 02 XXXXXXXXXXXXXXX
5.0E 02 X
7.0E 02

```

ANALYTICAL
VALUES
1270

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

MAXIMUM = 7.00000E 02
 MINIMUM = 1.50000E 01
 GEOMETRIC MEAN = 1.30812E 02
 GEOMETRIC DEVIATION = 1.97345E 00

FREQUENCY TABLE FOR COLUMN 25 (W PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
3.8E 01 -	5.6E 01	5	5	0.39	0.39
5.6E 01 -	8.3E 01	1	6	0.08	0.47

HISTOGRAM FOR COLUMN 25 (W PPM)

N	L	H	B	T	G	ANALYTICAL
1252	12	0	0	0	0	VALUES
98.58	0.94			0.0	0.0	6

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 5.28839E 01

GEOMETRIC DEVIATION = 1.14721E 00

FREQUENCY TABLE FOR COLUMN 26 (Y PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER - UPPER					
8.3E 00 -	1.2E 01	166	166	13.07	13.07
1.2E 01 -	1.8E 01	470	636	37.01	50.08
1.8E 01 -	2.6E 01	327	963	25.75	75.83
2.6E 01 -	3.8E 01	210	1173	16.54	92.36
3.8E 01 -	5.6E 01	49	1222	3.86	96.22
5.6E 01 -	8.3E 01	38	1260	2.99	99.21
8.3E 01 -	1.2E 02	3	1263	0.24	99.45
1.2E 02 -	1.8E 02	7	1270	0.55	100.00

HISTOGRAM FOR COLUMN 26 (Y PPM)

```

1.0E 01 XXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXX
7.0E 01 XXX
1.0E 02
1.5E 02 X

```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	1270
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 02
 MINIMUM = 1.00000E 01
 GEOMETRIC MEAN = 1.91690E 01
 GEOMETRIC DEVIATION = 1.61089E 00

FREQUENCY TABLE FOR COLUMN 27 (ZN PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
1.8E 02	2.6E 02	223	223	17.56	17.56
2.6E 02	3.8E 02	144	367	11.34	28.90
3.8E 02	5.6E 02	22	389	1.73	30.63
5.6E 02	8.3E 02	34	423	2.68	33.31
8.3E 02	1.2E 03	9	432	0.71	34.02
1.2E 03	1.8E 03	7	439	0.55	34.57
1.8E 03	2.6E 03	2	441	0.16	34.72
2.6E 03	3.8E 03	4	445	0.31	35.04

HISTOGRAM FOR COLUMN 27 (ZN PPM)

2.0E 02 XXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXX

5.0E 02 XX

7.0E 02 XXX

1.0E 03 X

1.5E 03 X

2.0E 03

3.0E 03

N	L	H	B	T	G	ANALYTICAL VALUES
155	670	0	0	0	0	445
12.20	52.76			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 2.89856E 02

GEOMETRIC DEVIATION = 1.70404E 00

FREQUENCY TABLE FOR COLUMN 28 (ZR PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	CUM	FREQ	FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	1	1	0.08	0.08
2.6E 01 -	3.8E 01	4	5	0.31	0.39
3.8E 01 -	5.6E 01	8	13	0.63	1.02
5.6E 01 -	8.3E 01	374	387	29.45	30.47
8.3E 01 -	1.2E 02	305	692	24.02	54.49
1.2E 02 -	1.8E 02	208	900	16.38	70.87
1.8E 02 -	2.6E 02	158	1058	12.44	83.31
2.6E 02 -	3.8E 02	159	1217	12.52	95.83
3.8E 02 -	5.6E 02	30	1247	2.36	98.19
5.6E 02 -	8.3E 02	15	1262	1.18	99.37
8.3E 02 -	1.2E 03	8	1270	0.63	100.00

HISTOGRAM FOR COLUMN 28 (ZR PPM)

5.0E 01 X

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXX

5.0E 02 XX

7.0E 02 X

1.0E 03 X

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

ANALYTICAL
VALUES
1270

MAXIMUM = 1.00000E 03

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 1.28542E 02

GEOMETRIC DEVIATION = 1.82213E 00

FREQUENCY TABLE FOR COLUMN 29 (AU PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT CUM
LOWER	UPPER				
1.8E-02	2.6E-02	15	15	1.18	1.18
2.6E-02	3.8E-02	0	15	0.0	1.18
3.8E-02	5.6E-02	28	43	2.20	3.39
5.6E-02	8.3E-02	35	78	2.76	6.14
8.3E-02	1.2E-01	33	111	2.60	8.74
1.2E-01	1.8E-01	1	112	0.08	8.82
1.8E-01	2.6E-01	14	126	1.10	9.92
2.6E-01	3.8E-01	2	128	0.16	10.08
3.8E-01	5.6E-01	6	134	0.47	10.55
5.6E-01	8.3E-01	3	137	0.24	10.79
8.3E-01	1.2E 00	3	140	0.24	11.02

HISTOGRAM FOR COLUMN 29 (AU PPM)

2.0E-02 X

3.0E-02

5.0E-02 XX

7.0E-02 XXX

1.0E-01 XXX

1.5E-01

2.0E-01 X

3.0E-01

5.0E-01

7.0E-01

1.0E 00

N	L	H	B	T	G	ANALYTICAL VALUES
0	1130	0	0	0	0	140
0.0	88.98			0.0	0.0	

MAXIMUM = 1.10000E 00

MINIMUM = 2.00000E-02

GEOMETRIC MEAN = 8.11079E-02

GEOMETRIC DEVIATION = 2.46025E 00

A470 STATISTICAL SUMMARY

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	0	1270
MG PCT	0	0	0	0	0	0	1270
CA PCT	0	2	0	0	0	0	1268
TI PCT	0	0	0	0	0	0	1270
MN PPM	0	0	0	0	0	0	1270
AG PPM	261	543	0	0	0	0	466
AS PPM	1057	103	0	0	0	0	110
B PPM	180	141	0	0	0	0	949
BA PPM	0	1	0	0	0	0	1269
BE PPM	73	264	0	0	0	0	933
BI PPM	1240	12	0	0	0	0	18
CD PPM	64	86	0	0	0	0	1120
CR PPM	1	78	0	0	0	0	1191
CU PPM	1	42	0	0	0	0	1227
LA PPM	354	462	0	0	0	0	454
MO PPM	198	888	0	0	0	0	184
NB PPM	0	238	0	0	0	0	1032
NI PPM	34	56	0	0	0	0	1179
PI PPM	2	15	0	0	0	0	1253
SB PPM	1244	22	0	0	0	0	3
SC PPM	16	39	0	0	0	0	1215
SN PPM	760	264	0	0	0	0	245
SR PPM	14	51	0	0	0	0	1205
V PPM	0	0	0	0	0	0	1270
W PPM	1252	12	0	0	0	0	6
Y PPM	0	0	0	0	0	0	1270
ZN PPM	155	670	0	0	0	0	445
ZR PPM	0	0	0	0	0	0	1270
AU PPM	0	1130	0	0	0	0	140

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	6.151548	1.90	1270 SAMPLES AND 1270 ANALYTICAL VALUES.
MG PCT	1.268431	1.88	1270 SAMPLES AND 1270 ANALYTICAL VALUES.
CA PCT	0.987104	2.00	2 NOT DETECTED, LESS THAN, OR TRACE VALUES.
TI PCT	0.443667	1.64	1270 SAMPLES AND 1270 ANALYTICAL VALUES.
MN PPM	999.328369	1.71	1270 SAMPLES AND 1270 ANALYTICAL VALUES.
AG PPM	0.245884	3.72	804 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AS PPM	*****	*****	1160 NOT DETECTED, LESS THAN, OR TRACE VALUES.
B PPM	21.629120	4.02	321 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BA PPM	571.305664	1.69	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BE PPM	1.190760	1.82	337 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BI PPM	*****	*****	1252 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CD PPM	14.792079	2.48	150 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CR PPM	52.445023	3.60	79 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CU PPM	40.630280	2.77	43 NOT DETECTED, LESS THAN, OR TRACE VALUES.
LA PPM	*****	*****	816 NOT DETECTED, LESS THAN, OR TRACE VALUES.
MO PPM	0.778240	4.26	1086 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NB PPM	9.959774	1.25	238 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NI PPM	30.104691	3.42	90 NOT DETECTED, LESS THAN, OR TRACE VALUES.
PB PPM	45.983582	2.56	17 NOT DETECTED, LESS THAN, OR TRACE VALUES.
SB PPM	*****	*****	1266 NOT DETECTED, LESS THAN, OR TRACE VALUES.
SC PPM	12.727986	1.59	55 NOT DETECTED, LESS THAN, OR TRACE VALUES.
SN PPM	*****	*****	1024 NOT DETECTED, LESS THAN, OR TRACE VALUES.
SR PPM	202.323303	1.71	65 NOT DETECTED, LESS THAN, OR TRACE VALUES.

1268 REPORTED VALUES.

466 REPORTED VALUES.
110 REPORTED VALUES.
949 REPORTED VALUES.1269 REPORTED VALUES.
933 REPORTED VALUES.18 REPORTED VALUES.
1120 REPORTED VALUES.
1191 REPORTED VALUES.1227 REPORTED VALUES.
454 REPORTED VALUES.
184 REPORTED VALUES.1032 REPORTED VALUES.
1180 REPORTED VALUES.
1253 REPORTED VALUES.3 REPORTED VALUES.
1215 REPORTED VALUES.
245 REPORTED VALUES.

1205 REPORTED VALUES.

V PPM	130.811249	1.97	1270 SAMPLES AND 1270 ANALYTICAL VALUES.	6 REPORTED VALUES. NO COMPUTATIONS.
W PPM	*****	*****	1264 NOT DETECTED, LESS THAN, OR TRACE VALUES.	
Y PPM	19.168930	1.61	1270 SAMPLES AND 1270 ANALYTICAL VALUES.	
ZN PPM	*****	*****	825 NOT DETECTED, LESS THAN, OR TRACE VALUES.	445 REPORTED VALUES. NO COMPUTATIONS.
ZR PPM	128.541489	1.82	1270 SAMPLES AND 1270 ANALYTICAL VALUES.	
AU PPM	0.000483	18.73	1130 NOT DETECTED, LESS THAN, OR TRACE VALUES.	140 REPORTED VALUES.

Table 2.--Analyses of unmineralized granitic rock samples

(Map number refers to locality shown on plate 4)

MAP NO.	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM	PLUTON
G 1	AK1757	3.0000	1.0000	2.0000	0.3000	700.0000	0.0	0.0	0.0	1500.0000	2.0000	MOUNT ESTELLE
2	AK1760	3.0000	3.0000	3.0000	0.5000	700.0000	0.0	0.0	150.0000	1500.0000	3.0000	
3	AK1762	2.0000	2.0000	1.5000	0.3000	700.0000	0.0	0.0	100.0000	700.0000	3.0000	
4	AK1756	3.0000	1.5000	2.0000	0.2000	700.0000	0.0	0.0	50.0000	1500.0000	3.0000	
5	AK1764	2.0000	1.5000	1.5000	0.3000	700.0000	0.0	0.0	20.0000	700.0000	2.0000	
6	AK1763	2.0000	1.5000	1.5000	0.3000	500.0000	0.0	0.0	0.0	700.0000	1.5000	
7	AKA949	3.0000	1.0000	3.0000	0.3000	700.0000	0.0	0.0	0.0	1000.0000	0.0	
8	AKA950	3.0000	1.0000	3.0000	0.3000	1000.0000	0.0	0.0	0.0	1000.0000	0.0	
9	AKA951	3.0000	1.0000	2.0000	0.3000	700.0000	0.0	0.0	10.0000	700.0000	0.0	
10	AKA952	3.0000	1.0000	3.0000	0.3000	1000.0000	0.0	0.0	0.0	1000.0000	0.0	
11	AKA947	3.0000	1.0000	3.0000	0.3000	700.0000	0.0	0.0	0.0	1000.0000	1.5000	
12	AKA948	3.0000	1.0000	3.0000	0.3000	700.0000	0.0	0.0	0.0	1000.0000	0.0	
13	AK1818	1.0000	0.0700	0.1000	0.0700	100.0000	0.0	0.0	10.0000	200.0000	1.0000	
14	AK1509	1.5000	0.0500	0.3000	0.0700	100.0000	0.0	0.0	0.0	700.0000	0.0	
15	AK1737	1.5000	1.0000	2.0000	0.2000	500.0000	0.0	0.0	10.0000	700.0000	1.5000	
16	AKA989	0.7000	0.0200	0.7000	0.0500	150.0000	0.0	0.0	10.0000	200.0000	5.0000	
17	AKA991	1.0000	0.0200	0.7000	0.0700	200.0000	0.0	0.0	0.0	200.0000	5.0000	
18	AKA992	2.0000	0.2000	1.0000	0.1500	500.0000	0.0	0.0	0.0	1500.0000	5.0000	
19	AKA994	0.1500	0.0300	0.1500	0.1000	300.0000	0.0	0.0	0.0	100.0000	2.0000	
20	AKA993	0.7000	0.0500	0.7000	0.1000	150.0000	0.0	0.0	0.0	300.0000	5.0000	
21	AKA960	3.0000	0.5000	2.0000	0.2000	700.0000	0.0	0.0	0.0	1500.0000	3.0000	
22	AK1806	1.0000	0.2000	1.0000	0.0700	500.0000	0.0	0.0	0.0	1000.0000	2.0000	
23	AK1813	0.7000	0.1000	0.5000	0.0700	200.0000	0.0	0.0	0.0	1500.0000	5.0000	
24	AKA958	1.5000	0.0	0.5000	0.1000	300.0000	0.0	0.0	0.0	1500.0000	1.5000	
25	AKA957	1.0000	0.1500	0.7000	0.1000	200.0000	0.0	0.0	0.0	1000.0000	3.0000	
26	AKA053	2.0000	0.3000	1.0000	0.1500	500.0000	0.0	0.0	0.0	1500.0000	2.0000	
27	AK1766	1.0000	0.1500	0.7000	0.1000	300.0000	0.0	0.0	0.0	1500.0000	2.0000	
28	AK1815	0.7000	0.1500	1.0000	0.1000	150.0000	0.0	0.0	0.0	1500.0000	2.0000	
29	AK1767	0.7000	0.0700	0.5000	0.0500	150.0000	0.0	0.0	0.0	500.0000	1.5000	
30	AK1768	1.5000	0.2000	1.0000	0.1000	300.0000	0.0	0.0	0.0	1500.0000	2.0000	
31	AK1798	0.7000	0.0700	0.7000	0.0700	300.0000	0.0	0.0	0.0	1500.0000	0.0	
32	AK1736	2.0000	0.5000	1.5000	0.3000	500.0000	0.0	0.0	10.0000	700.0000	5.0000	
33	AK1814	2.0000	0.5000	2.0000	0.2000	500.0000	0.0	0.0	0.0	1000.0000	2.0000	
34	AK1735	2.0000	0.7000	2.0000	0.2000	500.0000	0.0	0.0	30.0000	1500.0000	3.0000	
35	AKA955	7.0000	2.0000	5.0000	0.7000	1000.0000	0.0	0.0	0.0	1000.0000	0.0	
36	AK1816	3.0000	1.0000	3.0000	0.5000	700.0000	0.0	0.0	10.0000	1500.0000	0.0	
37	AK1807	5.0000	1.5000	5.0000	0.5000	1500.0000	0.0	0.0	0.0	1500.0000	0.0	
38	AKA963	5.0000	2.0000	1.0000	0.5000	700.0000	0.0	0.0	0.0	300.0000	0.0	
39	AK1714	2.0000	0.7000	1.5000	0.3000	700.0000	0.0	0.0	0.0	1500.0000	3.0000	
40	AK1817	7.0000	3.0000	5.0000	0.7000	1500.0000	0.0	0.0	0.0	1000.0000	0.0	
41	AK1761	5.0000	2.0000	7.0000	0.5000	1500.0000	0.0	0.0	0.0	500.0000	0.0	
42	AK1819	5.0000	1.5000	3.0000	0.5000	1000.0000	0.0	0.0	30.0000	1000.0000	0.0	
43	AK1715	5.0000	2.0000	3.0000	0.5000	1000.0000	0.0	0.0	0.0	2000.0000	0.0	
44	K68222	5.0000	0.1500	3.0000	0.5000	1000.0000	0.0	0.0	0.0	700.0000	2.0000	
45	K68220	5.0000	0.1500	3.0000	0.5000	1000.0000	0.0	0.0	0.0	1000.0000	1.5000	
46	AK1501	5.0000	3.0000	3.0000	0.5000	1000.0000	0.0	0.0	70.0000	1500.0000	2.0000	
47	AK1804	7.0000	5.0000	5.0000	0.7000	1500.0000	0.0	0.0	0.0	1500.0000	0.0	
48	AK1793	7.0000	5.0000	5.0000	0.7000	1000.0000	0.0	0.0	0.0	2000.0000	0.0	
49	AK1778	1.0000	0.1500	0.7000	0.1500	200.0000	0.0	0.0	0.0	700.0000	3.0000	
50	AK1777	1.5000	0.3000	1.0000	0.1500	200.0000	0.0	0.0	0.0	1000.0000	2.0000	

TABLE 2 -P.2

MAP NO.	SAMPLE	PI PPM	CO PPM	CU PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM	
6	1 AKI757	0.0	N	10.0000	70.0000	10.0000	50.0000	0.0	N	15.0000	20.0000	MOUNT ESTELLE PLUTON
	2 AKI760	0.0	N	20.0000	30.0000	70.0000	50.0000	0.0	N	100.0000	15.0000	
	3 AKI762	0.0	N	20.0000	10.0000	20.0000	30.0000	0.0	L	50.0000	20.0000	
	4 AKI756	0.0	N	7.0000	70.0000	2.0000	30.0000	0.0	N	10.0000	20.0000	
	5 AKI764	0.0	N	7.0000	70.0000	7.0000	30.0000	0.0	N	10.0000	15.0000	
	6 AKI763	0.0	N	7.0000	30.0000	5.0000	70.0000	0.0	N	0.0	20.0000	
	7 AKI949	0.0	N	10.0000	70.0000	0.0	30.0000	0.0	N	10.0000	10.0000	
	8 AKI950	0.0	N	10.0000	50.0000	30.0000	50.0000	0.0	N	10.0000	15.0000	
	9 AKI951	0.0	N	10.0000	30.0000	0.0	50.0000	0.0	N	7.0000	10.0000	
	10 AKI952	0.0	N	10.0000	70.0000	7.0000	30.0000	0.0	N	10.0000	15.0000	
	11 AKI947	0.0	N	10.0000	70.0000	0.0	0.0	10.0000		15.0000	15.0000	
	12 AKI948	0.0	N	10.0000	50.0000	10.0000	0.0	0.0	N	10.0000	20.0000	
6	13 AKI818	0.0	N	0.0	10.0000	0.0	30.0000	0.0	N	5.0000	0.0	N
	14 AKI509	0.0	N	0.0	10.0000	10.0000	0.0	0.0	N	0.0	10.0000	
	15 AKI737	0.0	N	0.0	10.0000	0.0	0.0	0.0	N	15.0000	10.0000	
	16 AKI989	0.0	N	0.0	0.0	0.0	0.0	0.0	N	0.0	15.0000	
	17 AKI991	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	20.0000	20.0000	
	18 AKI992	0.0	N	0.0	0.0	0.0	50.0000	3.0000	N	15.0000	15.0000	
	19 AKI994	0.0	N	0.0	0.0	0.0	30.0000	0.0	L	15.0000	30.0000	
	20 AKI993	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	0.0	20.0000	
	21 AKI960	0.0	N	5.0000	7.0000	0.0	30.0000	0.0	N	0.0	20.0000	
	22 AKI806	0.0	N	0.0	1.5000	0.0	0.0	0.0	N	7.0000	20.0000	
	23 AKI813	0.0	N	0.0	0.0	0.0	0.0	0.0	N	10.0000	20.0000	
	24 AKI958	0.0	N	0.0	0.0	0.0	30.0000	0.0	L	7.0000	20.0000	
	25 AKI957	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	0.0	10.0000	
	26 AKI053	0.0	N	0.0	0.0	0.0	30.0000	0.0	N	10.0000	10.0000	
	27 AKI766	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	5.0000	0.0	N
	28 AKI815	0.0	N	0.0	0.0	0.0	0.0	0.0	N	0.0	10.0000	
	29 AKI767	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	10.0000	10.0000	
	30 AKI768	0.0	N	0.0	0.0	0.0	0.0	0.0	N	0.0	10.0000	
	31 AKI798	0.0	N	0.0	0.0	0.0	0.0	0.0	N	0.0	30.0000	
6	32 AKI736	0.0	N	0.0	10.0000	0.0	50.0000	0.0	N	0.0	15.0000	CHILLIAN RIVER PLUTON
	33 AKI814	0.0	N	5.0000	15.0000	0.0	50.0000	0.0	N	0.0	20.0000	
	34 AKI735	0.0	N	5.0000	15.0000	0.0	50.0000	0.0	N	7.0000	20.0000	
	35 AKI955	0.0	N	20.0000	7.0000	10.0000	30.0000	0.0	N	10.0000	10.0000	
	36 AKI816	0.0	N	15.0000	30.0000	5.0000	50.0000	0.0	N	7.0000	20.0000	
6	37 AKI807	0.0	N	20.0000	20.0000	30.0000	0.0	0.0	N	15.0000	10.0000	
	38 AKI963	0.0	N	15.0000	20.0000	5.0000	0.0	0.0	N	0.0	20.0000	
	39 AKI714	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	10.0000	15.0000	
	40 AKI817	0.0	N	20.0000	100.0000	7.0000	0.0	10.0000		20.0000	0.0	N
	41 AKI761	0.0	N	20.0000	15.0000	50.0000	0.0	0.0	N	10.0000	0.0	N
6	42 AKI819	0.0	N	15.0000	70.0000	0.0	0.0	0.0	N	20.0000	7.0000	HARTMAN RIVER PLUTONS
	43 AKI715	0.0	N	20.0000	150.0000	15.0000	30.0000	0.0	N	10.0000	0.0	L
	44 R68222	0.0	N	20.0000	20.0000	70.0000	30.0000	0.0	N	15.0000	10.0000	
	45 R68220	0.0	N	15.0000	20.0000	100.0000	0.0	0.0	N	7.0000	30.0000	
	46 AKI501	0.0	N	20.0000	300.0000	100.0000	30.0000	0.0	N	10.0000	10.0000	
	47 AKI804	0.0	N	50.0000	300.0000	70.0000	70.0000	0.0	N	15.0000	15.0000	
	48 AKI793	0.0	N	30.0000	500.0000	50.0000	50.0000	0.0	N	70.0000	15.0000	
6	49 AKI778	0.0	N	0.0	0.0	0.0	30.0000	0.0	N	10.0000	15.0000	TIERED PLUTON BATHOLITH
	50 AKI777	0.0	N	0.0	0.0	0.0	50.0000	0.0	N	0.0	10.0000	

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TABLE 2 - p.4

MAP NO.	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
G 51	AK1776	2.0000	0.3000	1.5000	0.1500	500.0000	0.0	0.0	10.0000	1500.0000	3.0000
G 52	AK1799	2.0000	1.0000	2.0000	0.3000	500.0000	0.0	0.0	0.0	1500.0000	0.0
G 53	AK1794	2.0000	0.5000	1.5000	0.2000	500.0000	0.0	0.0	0.0	1500.0000	1.5000
54	AKA941	3.0000	1.0000	0.2000	0.2000	500.0000	0.0	0.0	0.0	1000.0000	0.0
55	AK1803	2.0000	1.0000	2.0000	0.2000	700.0000	0.0	0.0	0.0	1500.0000	0.0

GRANDDORR
OF THE
STONY RIVER

TABLE 2 - P.5

SAMPLE	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM
G 51 AKI776	0.0 N	0.0 N	0.0 L	7.0000	0.0 L	30.0000	0.0 N	10.0000	0.0 L	20.0000
G 52 AKI799	0.0 N	0.0 N	7.0000	30.0000	0.0 N	30.0000	0.0 N	0.0 L	7.0000	7.0000
53 AKI794	0.0 N	0.0 N	0.0 L	10.0000	0.0 L	0.0 N	0.0 N	0.0 L	0.0 N	10.0000
54 AKA941	0.0 N	0.0 N	0.0 L	30.0000	0.0 L	0.0 N	0.0 N	0.0 L	10.0000	7.0000
55 AKI803	0.0 N	0.0 N	10.0000	20.0000	0.0 L	0.0 L	0.0 N	10.0000	7.0000	7.0000

GRANDDORITE
OF THE
STONY RIVER

TABLE 2 - P.6

SAMPLE	SR PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
Q 5/ AKI776	0.0	7.0000	0.0	200.0000	15.0000	0.0	50.0000	0.0	200.0000	0.0200L
Q 52 AKI799	0.0	10.0000	0.0	700.0000	70.0000	0.0	20.0000	0.0	150.0000	0.0200L
53 AKI794	0.0	5.0000	0.0	700.0000	15.0000	0.0	10.0000	0.0	150.0000	0.0200L
54 AKI941	0.0	10.0000	0.0	500.0000	70.0000	0.0	15.0000	0.0	150.0000	0.0200L
55 AKI803	0.0	10.0000	0.0	500.0000	70.0000	0.0	20.0000	0.0	150.0000	0.0200L

GRANDIDRITE
OF THE
STONY RIVER

Table 3.--Analyses of mineralized at and bedrock samples

(Map number refers to locality shown on plate 4)

MAP NO.	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
S 1	AKI723	15.0000	0.0700	2.0000	0.0700	5000.0000	20.0000	0.0 L	30.0000	150.0000	7.0000
2	AKI722	20.0000	0.0 L	0.0 L	0.0300	700.0000	300.0000	10000.0000G	15.0000	100.0000	2.0000
3	AKI711	1.5000	0.0700	0.7000	0.1500	70.0000	0.0 N	0.0 L	0.0 L	150.0000	3.0000
4	AKA912	3.0000	0.7000	0.0700	0.3000	70.0000	15.0000	10000.0000G	150.0000	300.0000	1.5000
5	AKA910	10.0000	1.5000	0.3000	0.5000	700.0000	15.0000	0.0 N	20.0000	700.0000	1.5000
6	AKA916	3.0000	1.5000	0.7000	0.3000	300.0000	0.7000	0.0 N	0.0 L	300.0000	0.0 L
7	AKA559	10.0000	0.7000	0.7000	0.3000	100.0000	300.0000	0.0 L	30.0000	0.0 L	3.0000
8	AKA560	10.0000	0.7000	0.1500	0.5000	100.0000	30.0000	10000.0000G	70.0000	500.0000	1.0000
9	AKA567	5.0000	1.0000	0.1500	0.3000	150.0000	150.0000	500.0000	2000.0000G	200.0000	1.0000
10	AKA568	15.0000	1.5000	0.3000	0.5000	300.0000	20.0000	7000.0000	2000.0000G	300.0000	1.5000
11	AKA584	20.0000	0.7000	0.1500	0.2000	300.0000	70.0000	0.0 L	0.0 L	500.0000	0.0 L
12	AKA586	20.0000	0.0300	0.0 L	0.0 L	1500.0000	150.0000	1500.0000	0.0 L	0.0 L	0.0 N
13	AKA587	15.0000	3.0000	1.5000	0.7000	2000.0000	50.0000	700.0000	10.0000	100.0000	1.5000
14	AKA588	20.0000G	0.7000	1.5000	0.0070	5000.0000G	150.0000	5000.0000	0.0 N	0.0 L	1.0000
15	AKA591	20.0000G	0.7000	0.0700	0.0100	3000.0000	1000.0000	3000.0000	10.0000	0.0 L	1.0000
16	AKA592	3.0000	0.5000	0.0 L	0.0500	1500.0000	300.0000	1500.0000	30.0000	0.0 L	0.0 L
17	AKI502	1.5000	0.5000	0.7000	0.1500	150.0000	3.0000	0.0 N	0.0 N	300.0000	0.0 N
18	AKI505	3.0000	0.7000	0.7000	0.1500	700.0000	30.0000	1000.0000	1500.0000	500.0000	1.0000
19	AKI504	15.0000	0.3000	0.7000	0.1000	300.0000	100.0000	700.0000	700.0000	150.0000	1.5000
20	AKA006	10.0000	0.7000	0.0 L	0.1500	5000.0000	150.0000	0.0 N	0.0 L	5000.0000G	1.0000
21	AKA049	3.0000	0.1000	0.0 L	0.0700	2000.0000	150.0000	0.0 N	0.0 N	200.0000	0.0 L
22	AKA012	3.0000	0.1500	0.0 L	0.0700	1500.0000	70.0000	0.0 N	15.0000	2000.0000	2.0000
23	AKI827	3.0000	0.7000	0.0 L	0.0700	1000.0000	30.0000	0.0 N	0.0 N	3000.0000	1.5000
24	AKA525	3.0000	0.0700	0.0 L	0.0300	100.0000	15.0000	0.0 N	0.0 L	300.0000	1.0000
25	AKA527	15.0000	0.2000	0.0 L	0.0700	200.0000	10.0000	300.0000	0.0 L	500.0000	1.5000
26	AKA530	1.0000	0.2000	0.0 L	0.1500	200.0000	0.0 N	0.0 N	0.0 N	1500.0000	1.0000
27	AKA573	20.0000	0.5000	0.0 L	0.0300	2000.0000	200.0000	1000.0000	100.0000	100.0000	1.5000
28	AKA574	15.0000	1.5000	0.1500	0.3000	1000.0000	100.0000	10000.0000G	2000.0000G	500.0000	1.5000
29	AKA575	3.0000	0.2000	1.5000	0.0700	1000.0000	30.0000	0.0 N	70.0000	500.0000	0.0 L
30	AKA898	10.0000	0.1500	0.0 L	0.0300	1500.0000	7.0000	1000.0000	10.0000	0.0 L	3.0000
E 1	AKI738	7.0000	1.5000	0.1500	0.2000	700.0000	30.0000	300.0000	15.0000	300.0000	1.5000
2	AKI739	1.5000	0.0700	0.7000	0.1500	300.0000	30.0000	3000.0000	30.0000	0.0 L	1.0000
3	AKI746	10.0000	1.5000	2.0000	0.5000	3000.0000	7.0000	10000.0000G	30.0000	0.0 L	3.0000
4	AKI752	15.0000	0.7000	3.0000	0.1000	500.0000	70.0000	10000.0000G	15.0000	0.0 L	1.0000
5	AKI755	20.0000	1.0000	1.5000	0.1000	500.0000	70.0000	7000.0000	10.0000	0.0 L	1.0000
6	AKI701	20.0000G	1.5000	0.7000	0.3000	1500.0000	100.0000	10000.0000G	300.0000	500.0000	1.0000
7	AKI702	20.0000G	1.0000	1.5000	0.2000	3000.0000	100.0000	10000.0000G	500.0000	150.0000	1.0000
8	AKI703	20.0000	3.0000	0.3000	0.7000	200.0000	50.0000	10000.0000G	2000.0000G	150.0000	7.0000
9	AKI705	20.0000G	1.0000	0.1500	0.3000	70.0000	70.0000	10000.0000G	2000.0000G	100.0000	2.0000
10	AKI706	15.0000	5.0000	20.0000	0.0700	5000.0000G	15.0000	1500.0000	150.0000	0.0 L	2.0000
H 1	AKA400	15.0000	1.5000	0.2000	0.3000	70.0000	2.0000	300.0000	2000.0000G	0.0 L	1.0000
2	AKA981	20.0000G	0.3000	0.0700	0.1500	70.0000	5.0000	10000.0000G	2000.0000G	100.0000	0.0
3	AKI683	20.0000G	0.1500	0.0700	0.0300	70.0000	10.0000	10000.0000G	1000.0000	0.0 L	0.0
4	AKA388	20.0000G	0.1500	0.0 L	0.0300	70.0000	70.0000	10000.0000G	1500.0000	0.0 L	0.0
5	AKA389	3.0000	0.2000	0.0 L	0.0700	70.0000	3.0000	1000.0000	30.0000	700.0000	1.5000
6	AKA399	20.0000	0.3000	0.0700	0.0300	100.0000	3.0000	10000.0000G	2000.0000	0.0 L	0.0
7	AKA971	20.0000G	0.7000	0.0700	0.1500	150.0000	15.0000	10000.0000G	2000.0000G	100.0000	0.0
8	AMG452	0.2000	0.0 L	0.7000	0.0300	50.0000	3.0000	300.0000	30.0000	100.0000	0.0
9	AMG455	0.7000	7000.0000	0.7000	0.0500	100.0000	1.5000	3000.0000	70.0000	200.0000	1.0000
10	AKI707	0.7000	0.7000	1.5000	0.0700	150.0000	7.0000	3000.0000	0.0 N	0.0 L	0.0

AREA OF THE STYX RIVER BATHOLITH

MOUNT ESTELLE PLUTON

HARTMAN RIVER - SOUTH FORK RIVER PLUTON

TABLE 3 - p.2

MRP NO	SAMPLE	BI PPM	CD PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM
S	AKI723	0.0 N	20.0000	500.0000G	0.0 N	0.0 L	150.0000	0.0 L	5.0000	30.0000	0.0 L	15000.0000
3	AKI722	70.0000	0.0 N	0.0 N	0.0 N	0.0 L	15000.0000	0.0 L	7.0000	15.0000	0.0 L	20000.0000G
4	AKI711	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	15.0000	0.0 L	2000.0000G	15.0000	5.0000	15.0000
5	AKA910	0.0 N	0.0 N	0.0 N	0.0 L	50.0000	7000.0000	20.0000	0.0 L	0.0 L	10.0000	0.0 N
6	AKA916	0.0 N	0.0 N	0.0 N	7.0000	30.0000	3000.0000	0.0 L	0.0 L	0.0 L	15.0000	50.0000
7	AKA559	100.0000	0.0 N	0.0 N	0.0 N	70.0000	20000.0000G	0.0 N	0.0 N	10.0000	0.0 L	150.0000
8	AKA560	30.0000	0.0 N	0.0 N	200.0000	70.0000	15000.0000	0.0 N	0.0 L	10.0000	20.0000	70.0000
9	AKA567	30.0000	0.0 N	0.0 N	10.0000	30.0000	20000.0000G	0.0 N	0.0 L	0.0 L	0.0 L	70.0000
10	AKA568	0.0 N	0.0 N	0.0 N	20.0000	70.0000	15000.0000	0.0 L	5.0000	0.0 L	15.0000	10.0000
11	AKA584	0.0 N	100.0000H	150.0000	100.0000	150.0000	20000.0000G	0.0 N	0.0 L	10.0000	0.0 L	30.0000
12	AKA586	0.0 N	150.0000	0.0 N	0.0 N	10.0000	500.0000	0.0 N	0.0 L	10.0000	0.0 L	15000.0000
13	AKA587	0.0 N	0.0 N	0.0 N	50.0000	100.0000	20000.0000	0.0 L	0.0 L	15.0000	20.0000	70.0000
14	AKA588	0.0 N	200.0000	0.0 N	0.0 N	10.0000	700.0000	0.0 N	7.0000	10.0000	0.0 N	20000.0000G
15	AKA591	0.0 N	500.0000G	7.0000	7.0000	10.0000	1000.0000	0.0 N	5.0000	10.0000	5.0000	15000.0000
16	AKA592	0.0 N	300.0000	0.0 L	0.0 L	0.0 L	300.0000	0.0 N	0.0 N	0.0 L	0.0 L	20000.0000G
17	AKI502	30.0000	0.0 N	0.0 N	0.0 L	15.0000	700.0000	0.0 N	0.0 N	0.0 L	0.0 L	10.0000
18	AKI505	30.0000	0.0 N	15.0000	15.0000	10.0000	3000.0000	0.0 N	0.0 L	10.0000	10.0000	700.0000
19	AKI504	0.0 N	0.0 N	0.0 N	5.0000	10.0000	20000.0000G	150.0000	0.0 L	15.0000	5.0000	50.0000
20	AKA006	0.0 N	300.0000	0.0 N	0.0 N	10.0000	3000.0000	0.0 N	0.0 L	15.0000	5.0000	20000.0000
21	AKA049	0.0 N	20.0000	0.0 N	0.0 N	0.0 L	300.0000	0.0 N	0.0 L	10.0000	0.0 N	20000.0000
22	AKA012	0.0 N	0.0 N	150.0000	0.0 L	10.0000	700.0000	0.0 N	0.0 L	15.0000	7.0000	20000.0000G
23	AKI827	0.0 N	70.0000	0.0 N	7.0000	10.0000	300.0000	0.0 N	300.0000	10.0000	5.0000	150.0000
24	AKA525	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	150.0000	0.0 N	10.0000	10.0000	10.0000	7000.0000
25	AKA527	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	100.0000	0.0 N	0.0 L	10.0000	0.0 L	1000.0000
26	AKA530	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	20000.0000G	0.0 N	10.0000	10.0000	5.0000	300.0000
27	AKA573	0.0 N	100.0000H	150.0000	150.0000	10.0000	20000.0000G	20.0000	5.0000	10.0000	5.0000	150.0000
28	AKA574	70.0000	0.0 N	20.0000	0.0 L	30.0000	20000.0000G	20.0000	5.0000	10.0000	7.0000	3000.0000
29	AKA575	50.0000	0.0 N	0.0 N	0.0 L	0.0 L	300.0000	20.0000	0.0 L	15.0000	5.0000	15000.0000
30	AKA988	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	150.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000
F	AKI738	30.0000	0.0 N	0.0 N	10.0000	30.0000	10000.0000	0.0 L	7.0000	10.0000	30.0000	3000.0000
2	AKI739	70.0000	0.0 N	0.0 N	30.0000	15.0000	15.0000	0.0 L	0.0 L	0.0 L	30.0000	15000.0000
3	AKI746	0.0 L	0.0 N	70.0000	0.0 N	150.0000	200.0000	30.0000	70.0000	15.0000	30.0000	1000.0000
4	AKI752	30.0000	0.0 N	0.0 N	300.0000	70.0000	20000.0000G	150.0000	5.0000	15.0000	100.0000	300.0000
5	AKI755	30.0000	20.0000	0.0 N	150.0000	70.0000	20000.0000G	20.0000	5.0000	15.0000	100.0000	300.0000
6	AKI701	500.0000	0.0 N	0.0 N	150.0000	70.0000	20000.0000	100.0000	7.0000	10.0000	150.0000	200.0000
7	AKI702	1000.0000	0.0 N	0.0 N	200.0000	30.0000	15000.0000	0.0 L	7.0000	10.0000	150.0000	500.0000
8	AKI703	0.0 N	0.0 N	0.0 N	20.0000	150.0000	15000.0000	20.0000	0.0 L	10.0000	30.0000	20.0000
9	AKI705	300.0000	0.0 N	0.0 N	70.0000	70.0000	15000.0000	0.0 N	0.0 L	10.0000	30.0000	70.0000
10	AKI706	0.0 N	0.0 N	0.0 N	0.0 N	20.0000	70.0000	0.0 N	0.0 L	10.0000	15.0000	15000.0000
H	AKA400	0.0 N	0.0 N	0.0 N	10.0000	100.0000	1500.0000	0.0 N	0.0 L	10.0000	70.0000	0.0 N
2	AKA981	300.0000	0.0 N	0.0 N	1500.0000	30.0000	1500.0000	0.0 L	15.0000	10.0000	300.0000	15.0000
3	AKI683	1000.0000	0.0 N	0.0 N	1500.0000	20.0000	7000.0000	0.0 N	5.0000	10.0000	150.0000	0.0 L
4	AKA388	300.0000	0.0 N	0.0 N	200.0000	10.0000	20000.0000G	0.0 N	7.0000	10.0000	150.0000	15.0000
5	AKA389	10.0000	200.0000	0.0 N	0.0 N	0.0 L	300.0000	0.0 L	0.0 N	10.0000	0.0 L	70.0000
6	AKA399	700.0000	0.0 N	0.0 N	3000.0000	10.0000	700.0000	0.0 N	7.0000	10.0000	300.0000	0.0 L
7	AKA371	700.0000	0.0 N	0.0 N	2000.0000	50.0000	5000.0000	0.0 N	5.0000	0.0 L	700.0000	500.0000
8	AKG452	0.0 L	0.0 N	0.0 N	0.0 N	10.0000	70.0000	150.0000	0.0 N	0.0 L	0.0 L	70.0000
9	AKG455	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	30.0000	150.0000	0.0 N	0.0 L	15.0000	100.0000
10	AKI707	0.0 L	0.0 N	0.0 N	0.0 L	30.0000	15.0000	0.0 N	1500.0000	0.0 L	30.0000	100.0000

AREA OF THE STYX RIVER BATHOLITH

MOUNT ESTELLE PLUTON

HARTMAN RIVER - S. FORK KUSKOKWIM RIVER AREA

TABLE 3 - P.3

MAP NO.	SAMPLE	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
S-1	AK1723	0.0 L	0.0 N	300.0000	0.0 L	10.0000	0.0 N	100.0000	10000.0000	300.0000	0.0200L
	AK1722	2000.0000	0.0 N	1000.0000	0.0 L	10.0000	0.0 N	30.0000	10000.0000G	150.0000	0.3000
	AK1711	0.0 N	0.0 N	15.0000	0.0 L	10.0000	0.0 N	70.0000	0.0 L	300.0000	0.1000
	AKA912	0.0 N	10.0000	700.0000	0.0 N	70.0000	0.0 M	10.0000	300.0000	50.0000	0.0200L
	AKA910	0.0 N	15.0000	70.0000	150.0000	150.0000	0.0 M	10.0000	300.0000	200.0000	0.0200L
	AKA916	0.0 N	10.0000	15.0000	200.0000	70.0000	0.0 M	0.0 L	300.0000	70.0000	0.0200L
	AKA559	0.0 N	7.0000	200.0000	100.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000	0.0200L
	AKA560	0.0 N	10.0000	200.0000	0.0 L	30.0000	0.0 N	10.0000	0.0 L	100.0000	0.0200L
	AKA567	0.0 N	10.0000	300.0000	0.0 L	100.0000	0.0 N	10.0000	0.0 L	70.0000	0.0200L
	AKA568	0.0 N	10.0000	1000.0000G	150.0000	150.0000	0.0 N	10.0000	500.0000	70.0000	0.0200L
	AKA584	0.0 N	7.0000	50.0000	150.0000	70.0000	0.0 N	10.0000	1500.0000	70.0000	0.0200L
	AKA586	0.0 N	0.0 N	300.0000	0.0 L	15.0000	0.0 N	0.0 N	10000.0000G	0.0 N	0.0400
	AKA587	0.0 N	20.0000	30.0000	100.0000	15.0000	0.0 N	20.0000	700.0000	150.0000	0.0200L
	AKA588	100.0000	0.0 N	70.0000	0.0 L	15.0000	0.0 N	10.0000	10000.0000G	20.0000	0.1000
	AKA591	0.0 L	0.0 N	700.0000	0.0 L	15.0000	0.0 N	0.0 N	10000.0000G	0.0 L	0.5000
	AKA592	150.0000	0.0 N	100.0000	0.0 L	15.0000	0.0 N	0.0 N	10000.0000G	0.0 L	0.1000
	AK1502	0.0 N	0.0 L	15.0000	150.0000	30.0000	0.0 N	0.0 L	10000.0000G	0.0 N	0.2000
	AK1505	0.0 N	0.0 L	50.0000	0.0 L	30.0000	0.0 N	15.0000	0.0 N	70.0000	0.0200L
	AK1504	0.0 N	0.0 N	200.0000	0.0 L	20.0000	0.0 N	70.0000	500.0000	50.0000	0.0800
	AKA006	0.0 N	7.0000	1000.0000	0.0 L	15.0000	0.0 N	30.0000	10000.0000G	150.0000	0.0200L
	AKA049	0.0 N	0.0 N	1000.0000G	0.0 N	15.0000	0.0 N	15.0000	3000.0000	200.0000	0.0200L
	AKA012	0.0 N	7.0000	200.0000	0.0 N	15.0000	0.0 N	15.0000	700.0000	200.0000	0.0200
	AK1827	0.0 L	7.0000	70.0000	0.0 N	15.0000	0.0 N	20.0000	10000.0000G	150.0000	0.0200L
	AKA525	0.0 N	0.0 N	0.0 L	0.0 L	15.0000	0.0 N	10.0000	10000.0000G	50.0000	0.0200L
	AKA527	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	10.0000	700.0000	70.0000	0.0200L
	AKA530	0.0 N	0.0 N	0.0 L	0.0 L	15.0000	0.0 N	0.0 L	10000.0000	0.0 L	0.2000
	AKA573	0.0 N	0.0 N	1000.0000	0.0 L	15.0000	0.0 N	10.0000	5000.0000	70.0000	0.0200L
	AKA574	0.0 N	15.0000	700.0000	150.0000	100.0000	0.0 N	10.0000	300.0000	70.0000	0.0200L
	AKA575	0.0 N	0.0 N	30.0000	100.0000	15.0000	0.0 N	20.0000	500.0000	70.0000	0.0200L
	AKA598	0.0 N	0.0 N	1000.0000G	0.0 N	15.0000	0.0 N	30.0000	7000.0000	70.0000	0.0200L
E-	AK1738	0.0 N	7.0000	15.0000	150.0000	50.0000	0.0 N	15.0000	300.0000	70.0000	22.0000
	AK1739	300.0000	0.0 N	0.0 N	0.0 L	30.0000	0.0 N	0.0 L	200.0000	0.0 L	60.0000
	AK1746	5000.0000	15.0000	30.0000	100.0000	150.0000	0.0 N	10.0000	700.0000	70.0000	0.7000
	AK1752	0.0 N	7.0000	300.0000	100.0000	150.0000	0.0 N	70.0000	3000.0000	50.0000	12.4000
	AK1755	0.0 N	15.0000	1000.0000	150.0000	150.0000	0.0 N	30.0000	5000.0000	20.0000	12.8000
	AK1701	1000.0000	10.0000	30.0000	150.0000	150.0000	0.0 N	10.0000	1500.0000	70.0000	16.0000
	AK1702	3000.0000	5.0000	30.0000	150.0000	30.0000	0.0 N	15.0000	300.0000	0.0 L	11.0000
	AK1703	100.0000	30.0000	50.0000	100.0000	300.0000	50.0000	15.0000	0.0 L	200.0000	0.0200L
	AK1705	300.0000	15.0000	150.0000	0.0 L	150.0000	0.0 N	15.0000	300.0000	30.0000	8.6000
	AK1706	7000.0000	0.0 L	0.0 N	1000.0000	30.0000	0.0 N	15.0000	7000.0000	0.0 L	0.0200L
H-	AKA400	0.0 N	15.0000	15.0000	0.0 L	150.0000	0.0 N	10.0000	0.0 N	100.0000	0.0200L
	AKA981	1500.0000	5.0000	0.0 N	0.0 N	50.0000	0.0 N	10.0000	200.0000	30.0000	0.3000
	AK1683	150.0000	5.0000	0.0 N	0.0 L	30.0000	0.0 N	20.0000	0.0 L	10.0000	0.1000
	AKA388	0.0 N	0.0 N	30.0000	0.0 N	15.0000	0.0 N	0.0 L	1000.0000	0.0 N	0.9000
	AKA389	0.0 N	0.0 N	150.0000	0.0 N	15.0000	0.0 N	0.0 L	7000.0000	70.0000	0.0200L
	AKA399	150.0000	0.0 N	0.0 L	0.0 N	15.0000	0.0 N	0.0 L	0.0 L	30.0000	0.2000
	AKA971	0.0 N	7.0000	0.0 N	0.0 L	70.0000	0.0 N	15.0000	0.0 L	30.0000	1.0000
	AMG452	10000.0000G	0.0 N	15.0000	0.0 L	20.0000	0.0 N	10.0000	300.0000	50.0000	0.2900
	AMG455	10000.0000G	0.0 N	0.0 N	100.0000	15.0000	0.0 N	10.0000	0.0 N	50.0000	0.4500
	AK1707	0.0 L	0.0 N	0.0 N	0.0 L	20.0000	300.0000	0.0 L	0.0 N	0.0 L	3.2000

MOUNT ESTELLE PLUTON

HARTMAN RIVER -
5. FORK RUSKONIA
RIVER AREA

TABLE 3 - P.4

MAP. SAMPLE NO.	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	B PPM	BA PPM	BE PPM
H 11 AKI728	20.0000	5.0000	1.0000	0.7000	700.0000	30.0000	500.0000	2000.0000G	0.0 L	1.5000
12 AKI730	20.0000G	1.5000	0.5000	0.3000	200.0000	50.0000	0.0 N	2000.0000G	100.0000	1.5000
13 AKI230	2.0000	0.0500	0.1000	0.0150	70.0000	0.7000	0.0 L	0.0 N	0.0 L	0.0
14 AKI161	10.0000	0.0200	0.0500	0.0 L	200.0000	100.0000	0.0 N	0.0 L	0.0 L	0.0
15 AKI169	20.0000G	0.0500	0.0 L	0.0100	70.0000	30.0000	0.0 N	0.0 N	100.0000	0.0
16 AKI796	15.0000	1.0000	2.0000	0.0700	5000.0000G	3000.0000	7000.0000	15.0000	0.0 L	0.0

HARTMAN RIVER -
FORK KUSKAWUM
RIVER BRIDGE

TABLE 3 - P.5

MRP No.	SAMPLE	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM	PB PPM
H-11	AK1728	0.0 N	0.0 N	0.0 N	70.0000	20000.0000G	0.0 N	700.0000	15.0000	30.0000	15.0000
12	AK1730	0.0 N	0.0 N	0.0 N	30.0000	20000.0000G	0.0 N	15.0000	15.0000	30.0000	0.0 L
13	AKA230	0.0 N	0.0 N	5.0000	0.0 L	10.0000	0.0 N	2000.0000G	0.0 L	15.0000	0.0 N
14	AKA161	1000.0000G	500.0000G	30.0000	10.0000	700.0000	0.0 N	0.0 L	10.0000	5.0000	1500.0000
15	AKA169	300.0000H	0.0 N	100.0000	10.0000	15000.0000	0.0 N	30.0000	0.0 L	15.0000	0.0 L
16	AK1796	300.0000	300.0000	0.0 N	0.0 L	15000.0000	0.0 N	0.0 N	0.0 L	0.0 N	10000.0000G

HARTMAN RIVER
S. FORK MISSOURI
RIVER AREA

TABLE 3 - P.6

MAP NO	SAMPLE	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU PPM
12	AKI728	0.0 L	70.0000	300.0000	0.0 L	700.0000	50.0000	30.0000	0.0 L	300.0000	0.1000
13	AKI730	0.0 N	15.0000	700.0000	0.0 L	300.0000	50.0000	70.0000	0.0 N	150.0000	0.7000
14	AKA230	0.0 N	0.0 N	15.0000	0.0 N	15.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0200L
15	AKA161	150.0000	0.0 N	0.0 N	0.0 N	15.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.2000
16	AKA169	0.0 N	0.0 N	0.0 N	0.0 L	15.0000	0.0 N	0.0 N	10000.0000G	0.0 N	12.0000
17	AKI796	10000.0000G	0.0 L	15.0000	100.0000	15.0000	0.0 N	10.0000	200.0000	0.0 L	0.0200L