UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

GEOCHEMICAL MAPS OF SELECTED ELEMENTS AND RESULTS OF SPECTROGRAPHIC ANALYSES FOR HEAVY-MINERAL CONCENTRATES FROM THE WESTERN HALF OF THE TALKEETNA MOUNTAINS QUADRANGLE, ALASKA

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Open-File Report 77-530

1977

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INTRODUCTION

During the summer of 1975 a geochemical reconnaissance study was made in the western half of the Talkeetna Mountains 1:250,000-scale quadrangle, Alaska, as part of the Alaska Mineral Resource Assessment Program (AMRAP). This report includes analytical results for nonmagnetic heavy-mineral concentrates from stream sediment collected at 304 sites (table 1), sample location map (fig. 1), and geochemical maps with frequency histograms of Ag, As, Au, Cu, Mo, Pb, Sn, W, and Zn (figs. 1-5). Analytical data for 295 stream sediment and 200 rock samples collected in the Talkeetna Mountains quadrangle are available in U.S. Geological Survey Open-File Report (Miller and others, 1977).

SAMPLING

The geochemical sampling was done by a U.S. Geological Survey field party consisting of G. C. Curtin, R. C. Karlson, L. Garmezy, and S. P. Johnson. All sampling was done using a helicopter.

Stream sediments from which the heavy minerals were concentrated were collected from the active channel of streams draining areas ranging from 5 to 10 km^2. The sediment in most of these streams, ranges in size from fine to coarse sand, pebbles, and cobbles, and is composed mainly of detrital material that has been mechanically introduced into a stream from bedrock, glacial debris, and colluvium. The composition of the sediment approximates that of the weathering rock within a drainage basin.

The heavy minerals in the stream sediment can reflect the presence of outcropping or subcropping mineralized rock with the drainage basin upstream from the sample site and are especially useful for determining the distribution of heavy metals and resistate heavy minerals.

SAMPLE PREPARATION

The heavy-mineral concentrates were preliminarily prepared in the field by panning to remove the bulk of the light minerals. The panned samples were sieved through a 20-mesh (0.8 mm) stainless steel screen in the laboratory. The minus 20 mesh fraction was separated with bromoform into two fractions: (1) a light-mineral fraction having a specific gravity of 2.86 or less and (2) a heavy-mineral fraction having a specific gravity of greater than 2.86. The heavy-mineral fraction was saved and separated magnetically. Magnetite was first removed from the sample using a hand magnet. The remaining fraction was then passed through a Frantz Isodynamic Separator until a nonmagnetic fraction was obtained at a setting of 0.6 amperes. This fraction mainly contains muscovite, sphene, zircon, apatite, rutile, anatase, and tourmaline. Ore minerals such as sulfides and gold also occur in this fraction. The nonmagnetic heavy-mineral fraction was ground to a minus 150 mesh and then analyzed by a 30 element semiquantitative spectrographic method (Grimes and Marranzino, 1968). These analytical results are listed in table 1. The remainder of the heavy minerals were saved for future analysis.

DISCUSSION

The copper and molybdenum map (fig. 3) for the heavy-mineral concentrates outlines several areas of interest. The area of greatest interest is that of Iron Creek (T. 25 and 26 N., R. 2-4 E.). Iron Creek has been prospected since the early 1900's (Capps, 1919). The copper here occurs as fillings and replacement along shear zones a few feet thick in andesite-greenstones, which are amygdaloidal lava flows and some coarser-grained intrusives (Capps, 1940). Capps (1940) describes the ore as consisting of abundant copper carbonates and bornite near the surface. Beneath these surface minerals are the primary minerals pyrite, arsenopyrite, chalcopyrite, and specular hematite.

The areas where anomalous values of Cu and Mo occur in the heavy-mineral concentrates seem to be primarily confined to these andesite-greenstones. Varying amounts of Pb and Ag (figs. 2 and 4) are associated with the anomalous Cu and Mo values. Anomalous amounts of Pb and Ag suggest the presence of argentiferous galena, a mineral that has been found in other areas within the quadrangle (Berg and Cobb, 1967).

A silver-lead lode along a southern tributary to Gold Creek (T. 31 N., R. 1 W.) about 11 kilometers east of the Gold Creek Station on the Alaska Railroad is described by Berg and Cobb (1967). Here a vertical dike composed of quartz and feldspar with disseminated blebs of argentiferous galena cuts Cretaceous sediments. Anomalous Cu and Mo in the heavy-mineral concentrates near this lode suggest that the lode also contains Cu and Mo minerals.

A series of anomalous Au, Ag, and Pb values (figs. 2 and 4), and scattered high Cu, Mo, Sn, and W values (figs. 3 and 5) trending northeast between Chunilna Creek and the Susitna River (T. 29-31, N., R. 1 and 2 W.) includes the known occurrences at Gold Creek. The close association of Au, Ag, and Pb throughout this zone is rather striking. Lode deposits in the Portage Creek area in T. 32 N., R. 1 E. (Capps and Short, 1926; Richter, 1963) to the northeast are along the extension of the strike of this zone.

The Mint ore body, which is included in the Portage Creek lodes, is a highly altered andesite dike intruding Cretaceous slates and phyllites (Capps and Short, 1926). The lode is about 25 feet wide and consists of quartz-sulfide veinlets in a breccia zone associated with the dike rock. The ore minerals within these veinlets include pyragerite, arsenopyrite, with lesser miagerite, pyrite, galena, and tennantite (Berg and Cobb, 1967; Capps and Short, 1926).

Molybdenite and chalcopyrite occurrences, also in the Portage Creek area, are associated with a quartz monzonite stock intruding Cretaceous greywacke and slate (Richter, 1963).

Two other anomalous areas within the western part of the Talkeetna Mountains quadrangle merit mentioning. These areas are: (1) an area near the Talkeetna River in the central part of the quadrangle (T. 28 N., R. 4 and 5 E.), and (2) the area west of the Bald Mountain (T. 26 N., R. 4 W.) near the west boundary of the quadrangle.

The area near the Talkeetna River is described by Rose (1967) as being vein Cu mineralization in andesite-greenstone which appear identical to the greenstones in the Iron Creek area. The heavy-mineral concentrates collected in the Falls Creek area in 1975 indicated anomalous Cu at only sample site 127 (fig. 2). However, the heavy-mineral concentrates at another site (114) contained anomalous amounts of Ag and Au (fig. 2). A sample of greenstone taken from Ocher Creek, a tributary to Little Falls Creek, contained 1.26 ppm Au and 9.5 ppm Ag (Anderson, 1969). These greenstones are a likely source of the anomalous Au and Ag values found in the heavy-mineral concentrate samples.

A single site west of Bald Mountain is anomalous in Au, Ag, Mo, and Pb (figs. 2, 3, and 4). The elemental association seen at this site resembles the element association in the heavy-mineral concentrates from the Gold Creek area, and the mineralization may be similar.

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TABLE 1.--Semiquantitative spectrographic results for nonmagnetic heavy-mineral concentrates collected in the Talkeetna Mountains quadrangle, Alaska.

[Iron, Mg, Ca, Ti values in percent. All other values in ppm. Lower sensitivity limits shown above element symbol in column headings. L = undetermined amount present below lower sensitivity limit; N = element was looked for but not found; G = undetermined amount present above value shown. Gl = reference sample.]

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
///////////																						
Gl	//////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	L	L	100	L	L	L	1
1	632	5	2	7	.7	1000	N	N	N	70	200	L	N	N	50	100	70	50	N	L	50	2
2	633	3	1.5	10	Gl	1000	N	N	N	20	200	L	N	N	10	20	20	150	N	L	10	3
3	634	7	3	7	1	1000	N	N	N	30	200	L	N	N	30	150	500	50	N	L	50	4
4	635	3	1	10	Gl	1000	N	N	N	50	100	L	N	N	10	100	20	200	L	L	10	5
5	636	7	3	10	1	1000	N	N	N	100	50	L	N	N	20	100	150	50	N	L	50	6
6	637	7	3	7	Gl	2000	N	N	N	20	100	L	N	N	20	50	20	150	N	L	L	7
7	638	2	.7	10	Gl	700	N	N	N	30	100	L	N	N	10	20	30	1000	N	L	L	8
8	639	2	1	10	Gl	1000	N	N	N	15	50	L	N	N	20	50	150	300	L	L	L	9
9	640	3	1.5	10	Gl	1000	N	N	N	30	70	L	N	N	10	20	50	300	N	L	L	10
10	641	3	2	10	Gl	1000	N	N	N	10	50	L	N	N	L	50	50	300	L	L	L	11
11	642	.5	.15	10	Gl	1000	N	N	N	L	L	L	N	N	L	20	30	500	N	L	L	12
12	643	3	2	10	Gl	1500	N	N	N	50	500	L	N	N	L	20	50	200	N	L	L	13
13	644	2	.7	10	Gl	1000	N	N	N	L	L	L	N	N	L	L	70	500	L	L	L	14
14	645	2	.15	10	Gl	1000	N	N	N	L	L	L	N	N	L	L	150	700	L	L	L	15
15	646	10	2	10	1	1500	N	N	N	10	150	L	N	N	15	30	20	50	N	L	20	16
16	647	5	2	7	1	1000	N	N	N	10	150	L	N	N	20	70	200	50	N	L	30	17
18	648	7	3	7	.7	1500	N	N	N	50	100	L	N	N	20	200	20	50	N	L	50	18
19	649	5	3	7	.5	1500	N	N	N	20	100	L	N	N	20	100	20	50	N	L	50	19
20	650	3	2	7	Gl	1000	N	N	N	10	100	L	N	N	10	70	10	200	N	L	L	20
21	657	5	1	7	1	1500	N	N	N	50	500	L	N	N	15	20	50	50	N	L	10	21
22	652	3	1.5	7	.7	1000	N	N	N	L	100	L	N	N	15	20	30	200	N	L	10	22
23	653	10	3	10	Gl	3000	N	N	N	10	100	L	N	N	20	100	10	100	N	L	10	23

	Field No.	Tag No.	(20) Pb	(200) Sb.	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W.	(20) Y	(500) Zn.	(20) Zr.	
	//////////////												
1	G1	//////////	50	N	L	N	200	20	N	20	N	200	1
2	1	ESS 632	N	N	30	N	200	200	N	100	N	1000	2
3	2	633	N	N	50	N	200	300	N	700	N	G1000	3
4	3	634	N	N	50	N	200	300	N	100	N	G1000	4
5	4	635	N	N	50	N	300	300	N	1000	N	G1000	5
6	5	636	N	N	30	N	500	300	N	70	N	G1000	6
7	6	637	N	N	100	N	200	300	N	500	N	G1000	7
8	7	638	N	N	100	20	200	500	N	1000	N	G1000	8
9	8	639	N	N	100	20	200	500	N	1000	N	G1000	9
10	9	640	N	N	100	20	200	500	N	1000	N	G1000	10
11	10	641	N	N	G100	20	200	500	N	1000	N	G1000	11
12	11	642	N	N	100	20	200	500	N	1000	N	G1000	12
13	12	643	N	N	100	N	200	300	N	700	N	G1000	13
14	13	644	N	N	G100	20	200	500	N	1000	N	G1000	14
15	14	645	N	N	G100	20	200	500	N	1000	N	G1000	15
16	15	646	N	N	30	N	1500	300	N	70	N	1000	16
17	16	647	N	N	20	N	200	300	N	50	N	G1000	17
18	18	648	N	N	30	N	200	300	N	70	N	200	18
19	19	649	N	N	20	N	200	200	N	20	N	150	19
20	20	650	N	N	100	N	200	300	N	500	N	G1000	20
21	21	657	N	N	20	N	1500	200	N	100	N	G1000	21
22	22	652	N	N	15	N	700	150	N	200	N	G1000	22
23	23	653	L	N	100	N	200	300	N	300	N	G1000	23
24	24	654	L	N	30	N	500	300	N	150	N	G100C	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	////////	1.5	.2	1	.2	200	N	N	N	L	1000	2	N	N	L	L	L	100	L	L	L	1
25	CCC 655	5	3	10	G1	1500	N	"	N	50	200	L	"	"	20	100	150	100	N	"	30	2
26	656	5	2	10	G1	1500	150	"	300	10	200	"	"	"	15	70	20	100	100	"	20	3
27	657	10	1	7	1	1000	L	"	N	10	2000	"	"	"	30	50	150	200	1000	"	20	4
28	658	3	2	10	1	1000	N	"	"	10	100	"	"	"	10	100	L	100	N	"	30	5
29	659	3	1.5	10	G1	1000	"	"	"	10	100	"	"	"	10	70	150	300	"	"	20	6
30	660	3	2	10	"	1000	"	"	"	10	100	"	"	"	10	70	L	150	"	"	20	7
31	661	3	1.5	15	"	1000	"	"	"	10	70	"	"	"	10	70	L	300	"	"	20	8
32	662	7	5	10	"	1500	"	"	"	10	70	"	"	"	20	300	70	300	"	"	100	9
33	663	5	2	10	"	1000	"	"	"	20	70	"	"	"	10	100	10	300	↓	"	30	10
34	664	10	3	7	↓	2000	"	"	"	20	50	"	"	"	20	70	70	50	N	"	30	11
35	665	3	2	15	G1	2000	"	"	"	10	20	"	"	"	10	100	20	G1000	L	"	20	12
37	666	10	3	10	1	1500	"	"	"	20	100	"	"	"	30	100	30	50	N	"	50	13
38	667	5	5	15	1	1500	"	"	"	10	50	"	"	"	20	700	20	50	"	"	100	14
39	668	7	3	10	1	1500	"	"	"	10	100	"	"	"	20	100	70	50	"	"	50	15
40	669	10	3	10	1	2000	"	"	"	20	100	"	"	"	30	150	20	70	"	"	50	16
41	670	7	3	7	G1	2000	"	"	"	10	100	"	"	"	20	150	30	50	"	"	30	17
42	671	10	3	10	1	2000	"	"	"	10	100	"	"	"	30	150	20	70	"	"	50	18
43	672	5	3	10	1	2000	"	"	"	10	150	"	"	"	20	100	L	100	"	"	20	19
44	673	7	3	10	G1	2000	"	"	"	10	100	"	"	"	20	150	10	200	"	"	30	20
45	674	7	3	10	G1	1500	"	"	"	10	100	"	"	"	20	200	10	300	"	"	30	21
46	675	10	5	10	1	5000	"	"	"	10	70	"	"	"	20	150	L	200	"	"	20	22
47	676	3	2	10	G1	1000	↓	↓	↓	15	50	↓	↓	↓	15	200	10	300	↓	↓	20	23
48	677	15	5	10	G1	5000	N	N	N	10	70	L	N	N	30	200	30	200	N	L	30	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
//////////////											
G-1	//////////	50	N	L	N	200	20	N	L	N	200
25	CCC 655	N	"	50	N	500	300	"	100	"	G1000
26	656	150	"	50	50	500	300	"	200	"	"
27	657	50	"	30	N	500	200	"	100	"	"
28	658	N	"	20	N	500	200	"	100	"	"
29	659	"	"	50	N	500	300	"	300	"	"
30	660	"	"	20	N	500	200	"	200	"	"
31	661	"	"	100	20	500	200	"	200	"	"
32	662	"	"	100	L	200	300	N	500	"	"
33	663	"	"	100	L	200	300	150	500	"	G1000
34	664	"	"	50	N	200	500	N	50	"	1000
35	665	"	"	50	70	200	300	N	1500	"	G1000
37	666	"	"	50	N	200	300	500	50	"	1000
38	667	"	"	50	"	200	300	N	50	"	G1000
39	668	"	"	30	"	300	300	"	20	"	700
40	669	N	"	50	"	200	200	"	70	"	G1000
41	670	L	"	50	"	200	200	"	70	"	"
42	671	N	"	50	"	500	500	"	50	"	"
43	672	"	"	70	"	500	200	"	100	"	"
44	673	"	"	70	"	300	300	"	200	"	"
45	674	"	"	100	"	200	300	"	300	"	"
46	675	"	"	100	"	300	300	"	150	"	"
47	676	"	"	100	"	200	300	"	700	"	"
48	677	N	N	100	N	200	500	N	70	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. _ = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	////////	1.5	.2	1	.2	300	N	N	N	L	1000	2	N	N	L	L	L	100	L	L	L	1
49	CCC 678	G20	1	5	.5	1000	N	N	N	20	200	L	N	N	200	L	700	50	N	L	30	2
50	679	10	3	7	.5	2000	N	N	N	10	100	L	N	N	50	150	100	50	N	L	30	3
51	680	5	5	10	1	1500	N	N	N	10	2000	L	N	N	10	50	50	50	N	L	20	4
52	681	7	2	7	.7	1500	5	N	N	20	300	L	N	N	20	50	50	50	N	L	30	5
53	682	7	1.5	7	1	1500	N	N	N	20	500	L	N	N	15	20	20	50	N	L	20	6
54	683	10	3	10	1	1500	N	N	N	15	700	L	N	N	30	100	200	50	N	L	70	7
55	684	20	3	10	.5	1500	2	N	N	20	1500	L	N	N	50	50	200	50	N	L	100	8
56	685	7	3	5	.5	1000	N	N	N	15	300	L	N	N	20	150	150	50	N	L	30	9
57	686	3	.7	5	.5	1000	N	N	N	10	500	L	N	N	15	30	30	50	N	L	20	10
58	687	7	5	10	1	1500	N	N	N	20	G5000	L	N	N	20	100	500	50	N	L	30	11
59	688	10	3	10	1	1500	N	N	N	10	.200	2	N	N	20	100	70	70	N	L	30	12
60	689	7	3	10	.7	1000	N	N	N	20	G5000	L	N	N	20	200	70	50	N	L	50	13
61	690	20	3	7	1	2000	L	N	N	20	1000	L	N	N	50	100	1500	50	N	L	70	14
62	691	15	2	2	.7	2000	N	N	N	70	1500	2	N	N	20	70	100	50	N	L	30	15
63	692	15	5	7	1	2000	N	N	N	20	1000	L	N	N	50	500	500	50	N	L	70	16
64	693	15	2	5	.7	2000	N	N	N	30	3000	L	N	N	20	110	100	70	N	L	50	17
65	694	7	3	7	G1	1000	N	N	N	20	300	2	N	N	20	150	100	70	N	L	50	18
66	695	20	3	5	.2	1500	N	N	N	20	3000	L	N	N	500	150	2000	50	N	L	100	19
67	696	5	5	7	.3	1500	N	N	N	15	150	L	N	N	30	300	50	50	N	L	100	20
68	697	5	5	10	1	1000	N	N	N	10	100	L	N	N	50	100	500	50	N	L	70	21
69	698	2	.7	10	G1	1000	N	N	N	50	200	L	N	N	L	20	500	500	30	100	20	22
70	699	5	2	15	1	1000	N	N	N	20	100	L	N	N	50	100	150	50	N	L	30	23
71	700	5	1	10	G1	1000	N	N	N	50	500	L	N	N	30	20	500	500	N	L	20	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses.

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
//////////////											
G-1	////////	50	N	L	N	200	20	N	L	N	200
49	CCC 678	L	N	20	N	L	200	N	50	L	500
50	679	70	N	50	N	200	300	N	30	L	150
51	680	N	N	30	N	200	300	200	50	N	300
52	681	N	N	50	N	200	300	N	30	500	50
53	682	N	N	30	N	200	300	N	50	L	700
54	683	L	N	30	N	200	300	N	30	L	150
55	684	50	N	20	N	200	200	N	20	L	50
56	685	N	N	30	N	200	200	N	30	N	G1000
57	686	N	N	10	N	200	100	N	20	N	150
58	687	30	N	20	N	500	200	N	50	N	150
59	688	20	N	50	N	200	300	N	100	N	1000
60	689	L	N	50	N	500	200	N	50	N	G1000
61	690	20	N	50	N	500	500	N	50	N	300
62	691	L	N	30	N	200	200	N	70	N	200
63	692	L	N	50	N	200	300	N	50	N	G1000
64	693	30	N	50	N	200	200	N	200	N	1000
65	694	N	N	70	N	200	300	N	200	N	G1000
66	695	L	N	20	N	200	100	N	20	N	150
67	696	N	N	50	N	200	200	N	15	N	1000
68	697	N	N	20	N	300	200	N	50	N	G1000
69	698	L	N	100	N	500	500	N	1000	N	G1000
70	699	N	N	30	N	500	150	N	30	N	G1000
71	700	N	N	70	N	500	150	N	500	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1.) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
	////////																					1
72	CCC 701	G20	.2	2	G1	G5000	N	N	N	50	100	L	N	N	10	L	200	200	N	L	L	2
73	702	G20	.05	3	G1	G5000	N	N	N	50	100	L	N	N	10	L	150	150	N	L	L	3
74	703	3	1	7	G1	1000	N	N	N	50	200	L	N	N	20	L	200	200	L	L	L	4
75	704	5	.2	7	.3	1500	N	N	N	L	300	L	N	N	10	L	500	200	N	L	L	5
76	705	5	.5	10	1	2000	N	N	N	L	1000	L	N	N	10	L	150	50	20	L	L	6
77	706	2	1.5	15	G1	1000	N	N	N	20	200	L	N	N	50	L	300	200	10	L	L	7
78	707	10	1	7	.5	1500	N	N	N	20	1000	L	N	N	20	L	300	50	N	L	L	8
79	708	7	.7	7	1	1500	N	N	N	20	300	L	N	N	50	L	200	50	N	L	L	9
80	709	1.5	.07	10	G1	700	N	N	N	20	100	L	N	N	L	L	2000	300	N	L	L	10
81	710	5	.3	7	.7	1500	N	N	N	L	300	L	N	N	20	L	300	500	N	L	L	11
82	711	3	1.5	10	.7	1000	N	N	N	L	200	L	N	N	100	L	300	50	N	L	L	12
83	712	2	.5	10	G1	700	N	N	N	20	100	L	N	N	10	L	2000	500	N	L	L	13
84	713	10	1.5	7	G1	1000	N	N	N	20	100	L	N	N	200	20	700	100	N	L	L	14
85	714	3	1.5	10	G1	1000	N	N	N	100	150	L	N	N	10	L	150	300	N	L	L	15
86	715	1	.2	10	G1	700	N	N	N	L	100	L	N	N	15	L	50	200	N	L	L	16
87	716	10	3	7	G1	2000	N	N	N	50	200	L	N	N	20	20	50	200	N	L	L	17
88	717	2	.7	15	G1	1000	N	N	N	L	150	L	N	N	L	L	150	200	N	L	L	18
89	718	20	1.5	5	.3	700	N	N	N	L	500	L	N	N	700	150	1000	50	N	L	200	19
90	719	15	5	7	.7	2000	N	N	N	300	100	L	N	N	15	300	30	50	N	L	10	20
91	720	15	3	7	.7	1500	N	N	N	L	2000	L	N	N	300	150	500	50	N	L	L	21
92	721	10	2	10	.7	1500	7	1000	N	G2000	5000	L	N	N	15	200	1000	50	N	L	L	22
93	722	1	1	7	.3	200	N	N	N	L	100	L	N	N	10	20	1500	50	N	L	L	23
94	723	7	1.5	7	.5	700	N	N	N	20	100	L	N	N	200	50	500	50	N	L	70	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses.

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
//////////////											
	////////										
72	CCC 701	L	N	50	N	200	700	N	700	N	G1000
73	702	L	N	70	N	200	1000	N	500	N	G1000
74	703	L	N	L	N	500	300	N	500	N	G1000
75	704	20	N	5	N	1500	30	N	50	N	300
76	705	L	N	15	N	1500	100	N	200	N	G1000
77	706	L	N	L	N	700	200	N	500	N	G1000
78	707	L	N	10	N	1000	100	N	50	N	G1000
79	708	L	N	10	N	1500	100	N	100	N	G1000
80	709	L	N	L	20	200	300	N	1000	N	G1000
81	710	L	N	10	N	1000	100	N	500	N	G1000
82	711	L	N	10	N	1000	100	N	50	N	G1000
83	712	L	N	L	20	300	300	N	1000	N	G1000
84	713	L	N	L	N	200	200	N	500	N	G1000
85	714	20	N	L	N	500	500	N	1000	N	G1000
86	715	L	N	L	N	200	200	N	700	N	G1000
87	716	L	N	100	N	500	500	N	300	N	G1000
88	717	20	N	30	20	300	500	N	700	N	G1000
89	718	L	N	20	N	L	100	N	30	N	G1000
90	719	L	N	100	N	L	500	N	50	N	G1000
91	720	L	N	L	N	L	200	N	200	N	G1000
92	721	L	N	30	N	L	200	N	150	N	G1000
93	722	70	N	15	N	300	30	N	20	N	G1000
94	723	L	N	10	N	300	70	N	10	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1.) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////																						
	////////																					1
90	CCC 724	20	7	10	.7	5000	N	N	N	L	100	L	N	N	50	700	200	50	N	L	200	2
96	725	10	5	10	1	2000	N	N	N	L	150	L	N	N	100	150	200	50	N	L	100	3
97	726	15	7	10	.7	2000	N	N	N	L	300	L	N	N	50	500	50	50	N	L	200	4
98	727	5	3	10	.7	1500	N	N	N	L	150	L	N	N	15	150	15	50	N	L	50	5
99	728	5	7	10	.7	2000	N	N	N	L	50	L	N	N	20	300	50	50	N	L	150	6
100	729	10	7	10	1	1500	N	N	N	L	100	L	N	N	30	200	70	50	N	L	150	7
101	730	.5	.15	7	.15	50	N	N	N	L	150	L	N	N	L	L	L	L	N	L	L	8
102	731	15	3	7	1	1500	N	N	N	L	200	L	N	N	100	100	150	50	L	L	50	9
103	732	7	1	15	G1	700	N	N	N	L	150	L	N	N	150	30	100	50	N	L	L	10
104	733	15	3	7	.5	1500	1	N	N	100	100	L	N	N	200	200	10,000	50	700	L	100	11
105	734	15	5	7	G1	3000	N	N	N	20	100	L	N	N	100	200	200	50	N	L	100	12
106	735	1	.2	15	G1	700	N	N	N	L	700	L	N	N	L	L	10	100	L	L	L	13
107	736	20	3	5	1	2000	N	N	N	50	G5000	L	N	N	100	100	200	50	50	L	50	14
108	737	20	1.5	7	.7	1000	N	N	N	50	5000	L	N	N	500	30	1500	50	N	L	50.	15
109	738	3	12	10	G1	700	N	N	N	L	5000	L	N	N	20	L	150	300	L	100	L	16
110	739	20	5	7	1	1500	N	N	N	20	700	L	N	N	50	700	500	50	N	L	200	17
111	740	5	15	10	1	700	N	1000	N	L	500	L	N	N	L	50	50	50	N	L	20	18
112	741	3	1.5	15	G1	700	N	N	N	L	200	L	N	N	L	30	10	100	10	L	L	19
113	742	1.5	1	15	1	500	N	N	N	L	300	L	N	N	L	20	10	50	N	L	L	20
114	743	2	1	5	G1	500	200	N	G500	30	100	L	N	N	L	30	30	50	N	L	L	21
115	744	2	1.5	10	G1	500	N	N	N	20	200	L	20	N	L	50	L	50	N	L	30	22
116	745	15	1	5	1	700	N	N	N	50	200	L	N	N	300	20	300	50	N	L	20	23
117	746	1.5	.7	10	G1	700	N	N	N	20	500	L	N	N	L	20	20	200	N	70	L	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
//////////////											
	////////										
90	CCC 724	L	N	100	N	200	500	N	50	N	700
96	725	L	N	50	N	200	300	N	50	N	G1000
97	726	L	N	70	N	L	500	N	30	N	G1000
98	727	L	N	30	N	300	300	N	20	N	1000
99	728	L	N	50	N	L	300	N	L	N	20
100	729	L	N	70	N	L	500	N	30	N	200
101	730	L	N	L	N	300	L	N	20	N	G1000
102	731	L	N	20	N	200	300	N	30	N	G1000
103	732	L	N	20	N	200	300	N	200	N	G1000
104	733	L	N	50	N	200	300	100	20	N	G1000
105	734	L	N	100	N	200	500	N	70	N	G1000
106	735	L	N	10	N	500	150	N	150	N	G1000
107	736	50	N	50	N	200	500	N	30	1000	100
108	737	L	N	20	N	200	150	300	70	N	G1000
109	738	L	N	L	30	200	300	100	700	N	150
110	739	50	N	50	N	200	500	N	150	N	G1000
111	740	20	N	10	N	300	100	N	50	N	G1000
112	741	L	N	L	N	300	300	100	300	N	G1000
113	742	L	N	20	N	300	70	L	70	N	G1000
114	743	L	N	20	N	200	700	N	20	N	G1000
115	744	L	N	L	N	300	100	N	50	N	G1000
116	745	L	N	30	N	200	300	L	70	N	1000
117	746	L	N	20	N	500	200	500	200	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
////////////																						
	////////																					1
118	CCC 747	5	1	5	.3	700	N	N	N	L	200	L	N	N	150	20	100	50	N	L	20	2
119	748	5	2	15	.7	100	N	N	N	20	50	L	N	N	30	100	100	50	N	L	20	3
120	749	10	.1	7	1	300	N	N	N	20	5000	L	N	N	150	20	100	50	L	L	L	4
121	756	1.5	2	7	G1	500	L	N	N	20	200	L	N	N	L	L	20	150	N	L	L	5
122	751	7	.3	3	1	500	N	N	N	L	5000	L	N	N	20	L	20	50	N	L	L	6
123	752	3	.5	10	1	500	N	N	N	200	5000	L	N	N	10	L	100	70	N	L	20	7
124	753	7	.1	3	.7	300	N	N	N	200	5000	L	N	N	150	L	20	50	N	L	L	8
125	754	15	.5	7	1	500	N	N	N	200	5000	L	N	N	150	L	200	50	N	L	20	9
126	755	3	.3	5	1	300	N	N	N	30	5000	2	N	N	10	20	20	50	N	L	L	10
127	756	20	.5	7	1	1000	N	N	N	20	1000	L	N	N	500	L	1000	50	70	L	20	11
128	757	3	.2	5	G1	500	N	N	N	L	5000	L	N	N	10	L	30	50	N	L	L	12
129	758	15	.15	10	1	500	N	N	N	100	1000	L	N	N	300	20	200	50	N	L	10	13
130	759	3	1	7	1	700	N	1000	N	20	3000	L	N	N	15	20	50	100	N	L	L	14
131	760	15	.2	5	G1	500	5	N	N	30	5000	L	N	N	50	20	150	50	N	L	20.	15
132	761	3	.7	10	.7	700	N	L	N	20	150	L	N	N	15	L	20	50	N	L	L	16
133	762	20	.15	5	G1	300	2	N	N	30	G5000	L	N	N	300	20	700	50	100	L	20	17
134	763	5	1.5	15	1	500	N	N	N	L	G5000	L	N	N	30	20	500	50	N	L	L	18
135	764	10	.15	15	G1	500	N	N	N	L	5000	L	N	N	20	L	200	50	10	L	L	19
136	765	10	.15	3	G1	500	1	N	N	20	G5000	L	N	N	10	L	5000	300	N	L	L	20
137	766	1	.15	10	G1	500	N	N	N	L	1000	2	N	N	L	L	50	100	N	L	L	21
138	767	2	.5	7	1	500	N	N	N	20	G5000	2	N	N	L	L	50	100	N	L	L	22
139	768	7	.7	7	G1	500	N	N	N	20	G5000	L	N	N	15	100	500	100	N	L	L	23
140	769	10	3	10	1	500	N	N	N	20	G5000	L	N	N	30	20	150	50	N	L	200	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
//////////////											
	////////										
118	CCC 747	L	N	10	N	L	50	200	20	N	200
119	748	L	N	15	N	L	200	L	50	N	500
120	749	L	N	L	N	L	50	N	300	N	G1000
121	756	L	N	L	N	300	150	1000	150	N	G1000
122	751	L	N	20	N	200	100	N	100	N	G1000
123	752	20	N	10	N	300	200	N	70	N	500
124	753	100	N	20	N	200	30	200	70	N	G1000
125	754	50	N	15	N	200	200	150	20	N	500
126	755	20	N	15	N	200	150	N	150	N	G1000
127	756	L	N	15	N	200	70	100	50	N	G1000
128	757	20	N	15	N	L	100	100	100	N	G1000
129	758	L	N	20	N	200	70	N	200	N	G1000
130	759	L	N	20	N	200	150	100	70	N	G1000
131	760	70	N	30	N	200	200	N	70	N	G1000
132	761	L	N	15	N	300	100	N	50	N	G1000
133	762	700	N	20	N	200	100	100	100	N	G1000
134	763	L	N	20	N	500	100	N	200	N	G1000
135	764	70	N	20	N	200	100	N	150	N	G1000
136	765	500	N	20	N	200	100	N	150	N	G1000
137	766	L	N	20	N	L	150	N	200	N	G1000
138	767	L	N	20	N	200	150	N	150	N	G1000
139	768	20	N	20	N	200	150	N	100	N	G1000
140	769	L	N	20	N	300	150	N	70	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	//////////	2	.3	.7	.2	300	N	N	N	L	1000	2	N	N	L	L	10	200	L	L	L	1
141	CCC 770	7	1	7	1	1000	N	N	N	20	1000	L	N	N	70	L	200	50	N	L	10	2
142	771	1	.3	10	1	500	N	N	N	L	500	L	N	N	L	L	L	50	N	L	L	3
143	772	1.5	.2	10	1	300	N	N	N	L	G5000	L	N	N	L	L	L	50	N	L	L	4
145	773	1.5	.7	10	.1	1000	N	N	N	L	G5000	L	N	N	L	L	10	50	N	L	L	5
146	774	3	1.5	10	.3	1000	N	N	N	L	3000	L	N	N	L	50	L	50	N	L	L	6
147	775	10	.2	5	.7	500	N	N	N	L	G5000	L	N	N	100	L	150	50	N	L	20	7
149	776	10	1.5	7	1	700	N	N	N	50	G5000	L	N	N	100	L	200	50	N	L	20	8
150	777	1	3	10	.15	1000	N	N	N	L	G5000	L	N	N	L	L	L	50	N	L	L	9
151	778	10	1	7	1	1500	N	N	N	50	2000	L	N	N	20	50	70	50	N	L	20	10
152	779	3	5	15	.3	1500	N	N	N	L	G5000	2	N	N	20	200	15	50	N	L	30	11
153	780	3	1	7	.5	700	N	N	N	200	1500	L	N	N	10	20	30	50	N	L	10	12
154	781	3	.7	7	G1	700	N	N	N	50	500	L	N	N	10	50	50	50	N	L	10	13
155	782	10	1	7	.7	700	N	N	N	150	G5000	50	N	N	50	50	700	50	N	L	30	14
156	783	5	2	7	.7	1000	N	N	N	70	5000	2	N	N	15	100	50	50	L	L	30	15
157	784	3	2	10	.7	700	N	N	N	500	G5000	L	N	N	15	100	50	50	N	L	30	16
158	785	10	2	7	1	1500	N	N	N	20	1500	L	N	N	100	20	300	50	N	L	20	17
159	786	1.5	.2	20	1	700	N	N	N	L	200	L	N	N	10	L	30	500	N	L	L	18
160	787	10	2	10	.7	1500	N	N	N	20	500	L	N	N	15	70	50	50	N	L	20	19
161	788	10	2	7	1	1000	N	N	N	L	1000	L	N	N	100	100	150	50	N	L	50	20
162	789	2	2	10	.7	1000	N	N	N	20	1500	L	N	N	10	20	30	50	N	L	15	21
163	790	3	1	15	.5	700	N	N	N	50	200	L	N	N	L	20	30	50	N	L	15	22
164	791	1.5	1	10	.5	700	N	N	N	20	700	L	N	N	L	L	10	150	N	L	L	23
165	792	3	2	10	1	1000	N	N	N	20	300	L	N	N	10	100	10	70	N	1	10	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses.

20

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
//////////////												
G-1	//////////	70	N	L	N	300	30	N	L	N	200	1
141	CCC 770	L	N	20	N	300	150	200	70	N	G1000	2
142	771	L	N	20	N	300	100	N	150	N	G1000	3
143	772	L	N	20	N	500	70	N	150	N	G1000	4
145	773	L	N	20	N	1500	100	N	200	N	G1000	5
146	774	L	N	20	N	200	70	N	1000	N	G1000	6
147	775	150	N	20	N	2000	70	N	70	L	G1000	7
149	776	L	N	30	N	1500	200	N	50	N	700	8
150	777	L	N	20	N	200	20	N	200	N	G1000	9
151	778	L	N	50	N	300	200	N	50	N	500	10
152	779	L	N	30	N	500	200	N	150	N	500	11
153	780	L	N	20	N	200	200	N	20	N	100	12
154	781	L	N	30	N	200	200	N	70	N	200	13
155	782	20	N	20	N	1000	200	N	20	N	100	14
156	783	20	N	20	N	200	200	N	100	N	1000	15
157	784	L	N	10	N	1500	100	N	100	N	1000	16
158	785	L	N	20	N	300	200	100	50	N	G1000	17
159	786	L	N	10	N	300	100	N	700	N	G1000	18
160	787	L	N	30	N	300	200	N	20	N	200	19
161	788	L	N	30	N	300	200	200	30	N	150	20
162	789	L	N	15	N	300	150	L	50	N	500	21
163	790	L	N	L	N	200	200	N	20	L	50	22
164	791	L	N	10	N	300	70	N	200	N	G1000	23
165	792	L	N	20	N	300	200	150	100	N	G1000	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

	Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1.) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni
	//////////////	71-78	1-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	1-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70
1		////////																				
2	166	CCC 793	3	2	15	.3	1000	N	N	N	50	300	L	N	N	15	500	30	50	N	L	50
3	167	794	2	1	10	G1	700	N	N	N	20	200	L	N	N	10	50	L	150	N	50	L
4	168	795	7	5	15	.3	1500	N	N	N	100	1000	L	N	N	20	1000	50	50	N	L	150
5	169	796	3	2	10	G1	1000	N	N	N	30	150	L	N	N	10	200	20	70	N	L	20
6	170	797	3	1.5	10	1	1000	N	N	N	20	500	L	N	N	10	150	20	50	N	L	20
7	171	798	5	1.5	5	.7	1000	N	N	N	50	G5000	L	N	N	20	150	70	50	N	L	20
8	172	799	3	1.5	15	.5	1000	N	N	N	20	100	L	N	N	10	50	10	50	N	L	10
9	173	800	3	2	15	.5	1000	N	N	N	20	200	L	N	N	10	70	70	50	N	L	20
10	174	801	3	1	7	.5	1000	N	N	N	70	300	L	N	N	10	30	20	50	N	L	10
11	175	802	1.5	1	7	.7	700	N	N	N	20	300	L	N	N	L	50	L	70	N	L	L
12	176	803	3	2	10	.5	1000	N	N	N	100	1000	L	N	N	10	200	20	50	N	L	20
13	177	804	5	2	10	1	1500	N	N	N	50	200	L	N	N	10	150	30	50	N	L	20
14	178	805	5	3	10	1	1500	N	N	N	50	300	L	20	N	10	300	30	50	N	L	20
15	179	806	2	1	15	G1	1000	N	N	N	L	200	L	N	N	10	20	30	100	N	L	L
16	180	807	3	1	10	G1	1000	N	N	N	L	200	L	N	N	L	L	20	100	N	L	L
17	181	808	10	1	7	.7	1000	N	N	N	L	300	L	N	N	150	L	500	50	N	L	L
18	182	809	3	.2	10	G1	500	N	N	N	L	200	L	20	N	20	L	500	100	L	L	L
19	183	810	3	.7	15	1	1000	N	N	N	L	300	L	N	N	10	L	50	50	N	L	L
20	184	811	15	.5	5	1	700	N	N	N	20	200	L	N	N	20	100	1000	50	N	L	L
21	185	812	3	.5	10	1	700	N	N	N	L	1500	L	N	N	20	L	150	50	L	L	L
22	186	813	3	.5	15	1	1000	N	N	N	L	1500	L	N	N	20	L	100	200	N	L	L
23	187	814	3	.5	20	1	1000	N	N	N	L	300	L	N	N	10	50	50	1000	100	L	L
24	188	815	3	2	10	1	1000	N	N	N	L	2000	N	20	N	20	50	70	50	N	L	L

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses.

	Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
	//////////////	71-78	1-7	22-28	29-35	36-42	43-49	64-70	1-7	8-14	15-21	22-28
1		////////										
2	166	CCC 793	L	N	30	N	200	200	N	L	N	20
3	167	794	L	N	30	N	300	200	N	200	N	G1000
4	168	795	L	N	50	N	200	300	N	10	N	50
5	169	796	L	N	50	N	300	200	N	100	N	G1000
6	170	797	L	N	30	N	300	200	N	100	N	200
7	171	798	L	N	20	N	500	200	N	20	N	150
8	172	799	L	N	30	N	300	200	N	20	N	200
9	173	800	L	N	20	N	200	200	N	20	N	200
10	174	804	L	N	20	N	300	200	N	20	N	200
11	175	802	L	N	20	N	700	150	N	70	N	G1000
12	176	803	L	N	20	N	500	200	N	20	N	300
13	177	804	L	N	30	N	700	300	N	50	N	700
14	178	805	50	N	30	N	L	300	N	70	N	G1000
15	179	806	L	N	50	N	500	200	N	300	N	G1000
16	180	807	L	N	20	N	500	300	N	300	N	G1000
17	181	808	L	N	20	N	500	300	N	70	N	1000
18	182	809	L	N	20	N	500	200	200	300	N	G1000
19	183	810	30	N	30	N	1500	200	N	300	N	G1000
20	184	811	L	N	20	N	L	200	1500	300	N	G1000
21	185	812	50	N	20	N	500	150	N	200	N	G1000
22	186	813	L	N	20	N	700	300	N	700	N	G1000
23	187	814	20	N	30	50	500	300	500	700	N	G1000
24	188	815	L	N	20	N	500	200	100	150	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	////////	1.5	.2	1	.2	200	N	N	N	L	1000	2	N	N	L	L	10	100	L	L	L	1
189	ccc 816	3	3	10	1	1000	N	N	N	30	3000	L	N	N	10	150	100	70	N	L	30	2
190	817	7	.7	7	1	700	N	N	N	L	1000	L	N	N	50	20	150	50	N	L	10	3
191	818	2	.7	5	G1	500	N	N	N	20	150	L	N	N	L	20	10	70	N	50	L	4
192	819	5	.7	7	1	700	N	N	N	20	5000	L	N	N	15	20	70	50	N	L	L	5
193	820	2	1.5	10	G1	700	N	N	N	20	500	L	N	N	10	L	70	150	N	50	L	6
194	821	5	1.5	5	G1	700	N	N	N	L	500	L	N	N	10	70	10	150	N	100	L	7
195	822	3	1	10	G1	700	N	N	N	20	200	L	N	N	10	30	10	150	N	50	L	8
196	823	3	2	10	1	700	N	N	N	20	200	L	N	N	10	100	15	50	N	50	20	9
197	824	7	1	10	G1	700	N	N	N	20	2000	L	N	N	15	70	150	1000	100	L	L	10
198	825	3	1.5	10	G1	1000	N	N	N	50	300	L	N	N	10	50	10	100	N	L	L	11
199	826	2	.7	10	G1	1000	N	N	N	50	200	L	N	N	10	30	10	700	N	100	L	12
200	827	5	.3	10	G1	700	2	N	N	L	5000	L	N	N	15	20	100	300	15	500	L	13
201	828	3	1	5	1	700	N	N	N	L	700	L	N	N	10	20	L	100	N	50	10	14
202	829	1.5	.15	15	G1	700	N	N	N	L	100	L	N	N	L	20	15	300	20	1000	L	15
203	830	5	1	15	G1	1000	N	N	N	20	700	L	N	N	15	20	50	200	N	50	L	16
204	831	15	.2	15	G1	500	N	1000	N	L	5000	L	N	N	100	20	200	500	N	L	L	17
205	832	2	1.5	20	1	700	N	N	N	L	300	L	N	N	15	150	15	500	N	L	L	18
206	833	5	1.5	10	1	1000	N	N	N	L	500	L	N	N	10	30	10	50	N	L	L	19
207	834	5	1	10	1	1000	N	N	N	20	1500	L	N	N	10	50	10	50	N	L	L	20
208	835	3	1.5	3	.5	700	N	N	N	L	1000	L	N	N	10	20	20	50	N	L	L	21
209	836	2	1	10	G1	1000	N	N	N	50	200	L	N	N	10	20	10	200	N	100	L	22
210	837	5	.7	10	G1	1500	N	N	N	L	1000	L	N	N	10	50	50	50	N	50	10	23
211	838	2	.2	10	G1	1000	N	N	N	50	200	L	N	N	10	20	30	200	N	100	L	24

EMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in paren bases.

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
//////////////												
G-1	//////////	50	N	5	N	200	L	N	L	N	200	1
189	ccc 816	30	N	20	N	300	300	N	70	L	1000	2
190	817	L	N	20	N	500	200	150	50	N	1000	3
191	818	L	N	20	N	300	200	N	100	N	G1000	4
192	819	L	N	20	N	300	150	L	30	N	200	5
193	820	L	N	15	N	300	150	N	150	N	1000	6
194	821	L	N	30	N	200	150	L	500	N	G1000	7
195	822	L	N	20	N	300	200	N	200	N	G1000	8
196	823	L	N	20	N	500	200	N	100	N	G1000	9
197	824	50	N	20	N	300	200	N	1500	N	G1000	10
198	825	L	N	20	N	500	200	N	100	N	G1000	11
199	826	100	N	30	20	200	300	N	700	N	G1000	12
200	827	100	N	30	L	200	200	N	500	N	G1000	13
201	828	20	N	15	N	500	150	N	20	N	700	14
202	829	L	N	10	30	200	200	N	500	N	G1000	15
203	830	L	N	10	N	500	150	N	200	N	G1000	16
204	831	100	N	10	N	500	100	N	500	N	G1000	17
205	832	L	N	10	N	500	100	L	300	N	G1000	18
206	833	L	N	20	N	300	200	N	50	N	G1000	19
207	834	L	N	20	N	500	200	N	100	N	G1000	20
208	835	L	N	20	N	300	150	N	10	N	1000	21
209	836	L	N	30	L	300	100	N	100	N	G1000	22
210	837	70	N	30	N	500	200	N	100	N	G1000	23
211	838	L	N	20	20	300	150	N	200	N	G1000	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(.1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	//////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	20	L	100	L	L	L	1
212	ccc 839	5	.5	7	GI	1000	2	1000	15	30	300	L	N	N	10	70	200	300	L	200	10	2
213	840	5	1	2	1	1000	3	N	N	30	1000	2	50	N	10	50	150	100	20	L	10	3
214	841	7	1.5	10	1	1000	N	N	N	20	700	2	N	N	20	200	1000	300	15	100	10	4
215	842	5	.7	2	.5	1000	N	N	N	L	500	2	N	N	L	20	20	500	N	L	10	5
216	843	3	.7	10	GI	1500	N	N	N	700	300	L	.20	N	50	30	300	200	10	70	10	6
217	844	3	.7	7	GI	1500	15	N	50	50	500	L	N	N	10	30	500	150	N	200	10	7
218	845	15	.5	5	GI	1000	10	N	N	100	3000	2	N	N	100	100	1000	200	N	50	200	8
219	846	5	1	2	GI	700	10	N	N	2000	1500	5	100	N	100	150	100	100	N	70	70	9
220	847	1.5	.15	10	GI	1000	N	N	N	20	500	L	N	N	15	30	20	150	N	1000	L	10
221	848	1.5	.2	10	GI	1000	N	N	N	100	500	L	N	N	10	50	20	200	N	700	L	11
222	849	1.5	.2	7	GI	700	N	N	N	L	700	L	N	N	10	20	20	100	N	700	L	12
223	850	20	.3	15	GI	700	100	500	500	100	700	L	N	N	10	100	500	300	15	L	200	13
224	851	2	.7	2	GI	1000	N	N	N	50	1000	L	N	N	10	50	20	50	N	50	20	14
225	852	5	.5	15	GI	700	5	500	N	300	700	L	L	N	20	150	100	300	N	L	50	15
226	853	5	1	5	GI	1000	N	N	N	70	1500	L	N	N	10	150	1000	150	70	50	50	16
227	854	15	.3	5	GI	1000	1	N	N	200	700	L	N	N	50	150	300	300	N	200	100	17
228	855	15	.2	7	GI	700	N	N	N	50	300	L	N	N	15	100	50	1000	N	100	100	18
229	856	3	3	15	GI	1000	N	N	N	L	200	L	N	N	15	150	10	200	50	L	L	19
230	857	10	.5	2	GI	1000	N	N	N	200	1000	2	N	N	20	150	150	100	N	L	100	20
231	858	5	.5	7	GI	1500	N	N	N	30	1000	L	N	N	15	70	100	100	N	300	30	21
232	859	15	.5	7	GI	1500	3	1000	N	150	1000	2	50	N	70	100	300	100	N	L	150	22
232	860	3	1	10	GI	1000	N	N	N	20	200	L	N	N	15	50	10	150	N	50	L	23
233	861	2	1	10	GI	1000	N	N	N	20	200	L	N	N	15	50	10	150	N	100	L	24

EMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
//////////////												
G-1	////////	50	N	L	N	200	L	N	L	N	200	1
212	ccc 839	70	N	30	20	300	150	100	500	N	61000	2
213	840	50	N	20	N	200	200	N	50	L	1000	3
214	841	20	N	L	20	200	200	100	500	N	61000	4
215	842	L	N	20	N	200	100	N	50	N	1000	5
216	843	30	N	20	300	300	150	100	300	N	61000	6
217	844	L	N	20	30	200	150	100	500	N	61000	7
218	845	700	N	20	N	500	200	N	200	L	61000	8
219	846	20	N	20	N	200	300	6[1],000*	100	L	61000	9
220	847	L	N	10	100	200	150	N	1000	L	1000	10
221	848	L	N	10	50	L	150	N	1000	L	1000	11
222	849	20	N	10	70	5000	100	N	700	N	700	12
223	850	700	N	20	N	2000	200	N	700	L	61000	13
224	851	L	N	15	N	200	150	N	300	N	61000	14
225	852	200	N	10	N	2000	100	N	200	N	50	15
226	853	L	N	30	N	700	150	N	500	L	1000	16
227	854	50	N	50	N	500	200	L	500	L	61000	17
228	855	L	N	20	N	1500	100	N	300	L	1000	18
229	856	L	N	20	N	500	200	N	300	N	61000	19
230	857	50	N	20	N	300	200	200	200	L	61000	20
231	858	L	N	30	L	200	200	N	300	N	61000	21
232	859	200	N	20	N	700	200	N	200	L	700	22
232	860	L	N	20	150	500	200	L	300	N	61000	23
233	861	L	N	20	50	300	200	N	200	N	61000	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

* APPROX 15,000

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	20	10	100	N	L	L	1
235A	CCC-862	2	1.5	2	.5	200	N	N	N	20	700	L	N	N	10	30	10	50	N	L	L	2
235B	863	3	2	10	1	700	N	N	N	50	200	L	N	N	10	50	L	100	N	L	L	3
236	864	1	.1	1.5	.7	2000	N	N	N	L	700	L	N	N	L	L	L	50	N	L	L	4
237	865	3	1	7	G1	150	N	N	N	30	200	L	N	N	10	50	20	200	N	50	L	5
238	866	3	1	7	G1	1000	N	N	N	30	300	L	N	N	10	50	20	200	N	70	L	6
239	867	3	.5	10	G1	1000	N	N	N	20	200	L	N	N	10	20	100	200	N	L	L	7
240	868	.7	.05	10	G1	700	N	N	N	L	100	L	N	N	10	L	L	300	10	150	L	8
241	869	2	.7	15	G1	700	N	N	N	L	200	L	N	N	15	L	500	200	15	100	L	9
242	870	2	.2	15	G1	700	N	N	N	L	50	L	N	N	L	20	200	700	50	100	L	10
243	871	20	.7	5	.5	700	L	N	N	20	100	L	N	N	700	70	700	70	L	L	700	11
244	872	1.5	.15	5	G1	500	N	N	N	L	300	L	N	N	10	L	200	200	L	100	L	12
245	873	.7	.05	10	G1	700	N	N	N	L	100	L	N	N	10	L	L	500	L	200	L	13
246	874	3	1	7	G1	700	N	N	N	20	2000	L	N	N	15	30	200	100	N	70	L	14
247	875	.7	.1	10	G1	700	N	N	N	L	200	L	N	N	10	L	10	300	10	150	L	15
248	876	2	1	10	1	700	N	N	N	L	150	L	N	N	10	100	L	100	N	L	L	16
249	877	3	.3	15	G1	1000	N	N	N	20	1000	L	N	N	15	20	150	500	20	50	L	17
250	878	3	.5	7	G1	700	N	N	N	L	200	2	30	N	15	30	30	100	N	50	L	18
251	879	2	.7	15	G1	700	N	N	N	L	50	L	N	N	10	50	20	100	N	50	L	19
252	880	3	1	10	1	700	N	N	N	L	100	L	20	N	15	100	20	100	10	L	L	20
253	881	3	1.5	10	1	700	N	N	N	L	200	L	30	N	10	100	L	50	N	L	L	21
255	882	2	.5	10	G1	1000	N	N	N	L	200	L	N	N	10	20	L	200	N	50	L	22
257	883	2	.7	7	G1	700	N	N	N	L	200	L	N	N	10	20	20	50	N	L	L	23
258	884	2	.05	10	G1	500	N	N	N	L	50	L	N	N	15	L	700	200	70	50	L	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.
Lower limits of determination are in parentheses

	Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
	//////////////												
1	G-1	/////////	50	N	L	N	300	20	N	N	N	200	1
2	235A	CCC 862	L	N	15	N	300	100	N	20	N	G1000	2
3	235B	863	L	N	10	N	300	150	N	150	N	G1000	3
4	236	864	L	N	L	N	300	30	N	100	N	G1000	4
5	237	865	L	N	10	N	300	200	N	150	N	G1000	5
6	238	866	L	N	10	N	500	200	200	200	N	G1000	6
7	239	867	L	N	15	N	200	200	N	300	N	G1000	7
8	240	868	L	N	15	30	200	200	N	700	N	G1000	8
9	241	869	L	N	10	N	200	200	N	500	N	G1000	9
10	242	870	L	N	15	50	L	500	N	1500	N	G1000	10
11	243	871	L	N	10	N	L	30	150	100	N	G1000	11
12	244	872	L	N	L	N	200	200	N	500	N	G1000	12
13	245	873	L	N	L	30	200	200	N	500	N	G1000	13
14	246	874	L	N	10	N	300	200	N	300	N	G1000	14
15	247	875	L	N	L	N	300	200	N	500	N	G1000	15
16	248	876	L	N	15	N	300	70	N	150	N	G1000	16
17	249	877	L	N	15	50	200	300	N	1000	N	G1000	17
18	250	878	20	N	15	20	200	200	100	200	N	G1000	18
19	251	879	20	N	10	150	200	150	L	700	N	G1000	19
20	252	880	20	N	10	N	300	70	100	100	N	G1000	20
21	253	881	20	N	10	N	500	100	N	50	N	G1000	21
22	255	882	L	N	10	N	300	200	N	500	N	G1000	22
23	257	883	L	N	10	N	500	150	N	300	N	G1000	23
24	258	884	L	N	15	30	200	300	1000	1000	N	G1000	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

	Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
	//////////////																						
1	G-1	//////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	L	10	100	N	L	L	1
2	259	CCC 885	1	.1	10	G1	700	N	N	N	L	L	L	N	N	10	L	10	300	20	200	L	2
3	260	886	3	.15	7	G1	500	N	N	N	150	1000	L	N	N	10	L	500	300	L	50	L	3
4	261	887	2	.15	15	G1	700	N	N	N	20	50	L	N	N	L	20	200	200	L	150	L	4
5	262	888	2	.15	10	G1	700	N	N	N	20	50	L	N	N	L	L	100	300	20	100	L	5
6	263	889	2	.1	10	G1	500	N	N	N	L	50	L	N	N	L	L	100	300	20	100	L	6
7	264	890	2	.15	10	G1	700	N	N	N	L	50	L	N	N	L	L	200	200	30	200	L	7
8	265	891	1	.1	15	G1	500	N	N	N	L	L	L	N	N	L	L	50	200	L	100	L	8
9	266	892	2	.15	15	G1	700	N	N	N	L	50	L	N	N	L	L	300	300	20	100	L	9
10	267	893	1.5	.1	15	G1	700	N	N	N	L	50	L	N	N	L	L	100	300	20	100	L	10
11	269	894	2	.15	10	G1	700	N	N	N	L	50	L	N	N	L	L	70	500	50	200	L	11
12	270	895	1	.1	15	G1	1000	N	N	N	L	100	L	50	N	L	L	70	500	10	200	L	12
13	271	896	1	.1	15	G1	700	N	N	N	L	100	L	N	N	L	L	70	500	20	200	L	13
14	272	897	1	.05	15	G1	1000	N	N	N	L	L	L	50	N	L	L	30	500	15	200	L	14
15	273	898	1	.05	15	G1	1000	N	N	N	L	L	L	N	N	L	L	20	1000	10	300	L	15
16	275	899	1	.05	15	G1	1000	N	N	N	L	L	L	N	N	L	L	20	1000	L	300	L	16
17	276	900	1	.2	15	G1	700	N	N	N	L	150	L	N	N	10	30	10	500	L	200	L	17
18	277	901	2	.3	10	G1	700	N	N	N	20	150	L	N	N	15	20	1000	200	10	150	L	18
19	279	902	3	1	10	G1	700	N	N	N	L	100	L	N	N	20	50	1000	150	L	150	L	19
20	280	903	.3	.7	10	G1	700	N	N	N	20	100	L	N	N	20	50	150	50	100	L	L	20
21	281	904	1.5	1	15	G1	700	N	N	N	L	70	L	N	N	L	30	L	300	N	L	L	21
22	282	905	2	.7	15	G1	1000	N	N	N	30	100	L	N	N	L	30	10	50	N	L	L	22
23	283	906	5	.5	15	G1	1000	N	N	N	100	200	L	N	N	10	30	200	300	N	100	L	23
24	284	907	10	.5	10	G1	700	N	N	N	70	700	L	N	N	20	30	100	100	N	100	10	24

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc.

	Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr
	//////////////											
1	G-1	////////	50	N	L	N	200	L	N	N	N	200
2	259	CCC 885	L	N	L	50	L	500	N	1000	N	G1000
3	260	886	L	N	L	L	200	200	L	700	N	G1000
4	261	887	L	N	L	50	200	500	N	700	N	G1000
5	262	888	L	N	10	50	L	500	L	1000	N	G1000
6	263	889	L	N	L	20	L	300	N	1000	N	G1000
7	264	890	L	N	L	50	L	500	L	1000	N	G1000
8	265	891	L	N	L	N	200	300	N	700	N	G1000
9	266	892	L	N	L	20	200	300	L	700	N	G1000
10	267	893	L	N	L	L	L	300	N	700	N	G1000
11	269	894	L	N	L	20	L	500	N	1000	N	G1000
12	270	895	20	N	L	50	L	300	N	700	N	G1000
13	271	896	L	N	L	20	L	300	N	700	N	G1000
14	272	897	L	N	L	50	L	300	N	1000	N	G1000
15	273	898	L	N	L	50	L	500	N	1000	N	G1000
16	275	899	L	N	L	50	L	500	N	1000	N	G1000
17	276	900	L	N	L	30	L	500	N	1000	N	G1000
18	277	901	L	N	L	L	L	300	150	700	N	G1000
19	279	902	L	N	L	N	200	300	N	500	N	G1000
20	280	903	L	N	L	N	200	150	100	300	N	G1000
21	281	904	L	N	L	N	200	100	N	700	N	G1000
22	282	905	L	N	L	N	500	100	N	30	N	G1000
23	283	906	L	N	L	L	300	200	N	500	N	G1000
24	284	907	L	N	L	N	300	150	N	100	N	G1000

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.

	Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(.1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni
	//////////////																					
1	TM G-1	/////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	20	10	100	N	L	L
2	285	ccc 908	3	1	10	G1	1000	N	N	N	70	300	L	N	N	10	100	50	100	N	50	L
3	286	909	2	.7	10	G1	1000	N	N	N	50	500	L	N	N	10	50	10	50	N	L	10
4	287	910	G20	.2	3	.5	300	2	L	N	50	5000	L	N	N	300	20	500	50	N	L	20
5	288	911	3	1	10	1	1000	N	N	N	70	150	L	N	N	10	70	20	70	N	50	10
6	289	912	7	1.5	7	1	700	N	N	N	20	G5000	L	N	N	20	150	70	70	N	L	L
7	290	913	2	.15	7	G1	1000	N	N	N	100	700	L	N	N	10	30	70	100	N	300	L
8	291	914	3	2	10	1	1000	N	N	N	20	500	L	N	N	10	200	20	50	N	L	L
9	292	915	3	1	7	1	1000	N	N	N	20	500	L	N	N	10	70	20	50	N	L	L
10	293	916	2	1.5	10	1	1000	N	N	N	20	150	L	N	N	10	70	50	70	N	L	10
11	294	917	3	2	15	.7	1000	N	1000	N	200	G5000	L	N	N	20	100	30	50	N	L	10
12	295	918	3	1	10	G1	1000	N	N	N	20	G5000	L	N	N	10	70	500	70	N	L	10
13	296	919	3	1.5	10	1	1000	N	N	N	L	G5000	L	N	N	10	200	10	50	N	L	L
14	297	920	2	.5	15	G1	700	N	N	N	20	300	L	N	N	15	50	70	150	N	L	L
15	298	921	G20	.2	1	.5	150	N	N	N	20	5000	L	N	N	150	L	500	50	N	L	30
16	299	922	2	.5	15	G1	1000	N	N	N	20	200	L	N	N	L	20	50	300	N	200	L
17	300	923	5	1	10	1	1000	N	N	N	L	500	L	N	N	10	L	10	50	N	L	L
18	301	924	10	3	7	1	1500	N	N	N	20	300	L	N	N	20	100	10	50	N	L	L
19	302	925	15	1.5	7	1	1000	N	N	N	20	5000	L	N	N	200	50	700	50	N	L	10
20	303	926	5	1	15	1	1000	N	N	N	L	300	L	N	N	20	50	100	200	N	L	L
21	304	927	5	5	7	.7	1000	N	N	N	50	100	L	N	N	20	1000	L	50	N	L	20
22	305	928	15	.7	10	G1	1000	N	N	N	20	500	L	N	N	200	30	1500	70	N	L	50
23	306	929	10	1.5	7	.7	1000	N	500	N	20	500	L	N	N	30	150	300	50	300	L	20
24	307	930	10	2	7	1	1500	N	N	N	50	500	L	N	N	20	200	70	50	N	L	50

REMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10

	Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
	//////////////												
1	TM G-1	//////////	50	N	L	N	200	20	N	L	N	200	1
2	285	908	L	N	L	N	300	200	N	200	N	G1000	2
3	286	909	L	N	20	N	500	150	N	30	N	500	3
4	287	910	150	N	20	N	200	70	N	50	N	1000	4
5	288	911	L	N	20	N	500	150	N	70	L	700	5
6	289	912	20	N	30	N	500	200	N	100	N	G1000	6
7	290	913	L	N	20	20	200	200	N	300	N	G1000	7
8	291	914	L	N	30	N	300	200	N	150	N	G1000	8
9	[illegible]	915	L	N	20	N	500	200	N	70	N	G1000	9
10	293	916	L	N	20	N	200	200	N	70	N	G1000	10
11	294	917	L	N	20	N	1000	100	N	70	N	G1000	11
12	295	918	L	N	20	N	500	200	N	100	N	G1000	12
13	296	919	L	N	L	N	500	200	N	100	N	G1000	13
14	297	920	L	N	L	N	500	200	N	300	N	G1000	14
15	298	921	L	N	10	N	200	70	N	L	500	200	15
16	299	922	L	N	10	50	200	300	N	700	N	G1000	16
17	300	923	L	N	30	N	700	200	N	20	N	1000	17
18	301	924	L	N	50	N	300	200	N	70	N	G1000	18
19	302	925	L	N	30	N	700	200	N	50	N	G1000	19
20	303	926	L	N	L	N	500	100	N	200	N	G1000	20
21	304	927	L	N	20	N	300	200	N	50	N	G1000	21
22	305	928	L	N	30	N	500	200	N	200	N	G1000	22
23	306	929	L	N	30	N	500	200	100	30	L	1000	23
24	307	930	L	N	50	N	300	300	N	50	N	1000	24

G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown

Field No.	Tag No.	(.1) Fe %	(.05) Mg %	(.1) Ca %	(.005) Ti %	(20) Mn	(1) Ag	(500) As	(20) Au	(20) B	(50) Ba	(2) Be	(20) Bi	(50) Cd	(10) Co	(20) Cr	(10) Cu	(50) La	(10) Mo	(50) Nb	(10) Ni	
//////////////																						
G-1	/////////	1.5	.2	.7	.2	200	N	N	N	L	1000	2	N	N	L	20	10	100	L	L	L	1
308	CCC 931	7	3	7	1	2000	N	N	N	L	50	L	N	N	20	200	15	50	N	L	100	2
309	932	5	2	7	.7	1000	N	N	N	L	2000	L	N	N	20	100	20	50	N	L	20	3
310	933	5	1	7	1	1000	N	N	N	20	700	L	N	N	50	100	300	50	N	L	20	4
311	934	7	2	7	.7	1000	N	N	N	L	50	L	N	N	15	50	50	50	N	L	20	5
312	935	1	2	7	G1	200	N	N	N	L	200	L	N	N	10	L	50	150	N	50	L	6
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EMARKS: Fe, Mg, Ca, and Ti reported in %; all other elements reported in ppm. Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc

Field No.	Tag No.	(20) Pb	(200) Sb	(10) Sc	(20) Sn	(200) Sr	(20) V	(100) W	(20) Y	(500) Zn	(20) Zr	
//////////////												
G-1	//////////	50	N	L	N	200	L	N	L	N	300	1
308	CCG31	L	N	50	N	200	300	N	50	N	G1000	2
309	932	L	N	30	N	500	200	N	20	N	200	3
310	933	L	N	20	N	500	200	N	20	L	100	4
311	934	L	N	50	N	500	200	L	20	L	500	5
312	935	L	N	20	N	500	150	N	300	N	G1000	6
												7
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G = Greater than value shown. N = Not detected at limit of detection, or at value shown. L = Detected, but below limit of determination, or below value shown.