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# Analytical results from a geochemical survey of the U.S. Virgin Islands

by

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# INTRODUCTION

The U.S. Geological Survey began multidisciplinary studies of the U.S. Virgin Islands in 1983. These studies are being conducted to assist the Government of the Islands by providing necessary information for future planning and resource appraisal. The initial phase of the geochemical study was designed to examine the regional geochemical characteristics of the Islands.

The U.S. Virgin Islands are located in the Greater Antilles island arc some 40 miles east of Puerto Rico (figure 1). The major islands include St. Thomas, St. John, and St. Croix. There are about 50 smaller islands in the study area, concentrated near St. Thomas and St. John.

St. Thomas is 12 miles long by approximately 3 miles wide and contains some 19,000 acres. St. John is 7 miles long, on the average is 3 miles wide, and contains some 12,000 acres. The topography of both islands is mountainous. The highest elevation on St. Thomas is 1556 feet (Crown Mountain) and 1277 feet on St. John (Bordeaux Mountain). The islands have very irregular coastlines with many bays and offshore islets. St Croix, the largest of the U.S. Virgin Islands, is 22 mi long and some 6 mi wide and incorporates approximately 54,000 acres. St. Croix is characterized by regular coast lines and has two adjacent islands. The topography here is more subdued. The highest areas on St. Croix occurs in the northwest (Mt. Eagle at 1,165 ft) and on the eastern end of the island. Streams on all these islands are intermittant and discharge into the sea.

The climate in the Virgin Islands is maritime tropical. The average annual rainfall at higher elevations is 50-60 in. and at lower elevations 20-30 in. There is no well-defined wet or dry season. The temperature is generally constant between 80 and 85°F.

The vegetation is generally not native to the islands and consists of thorny brush and Hurricane grass in the formerly cleared areas. The uncleared portions of the more mountainous areas are covered by dense tropical forest with a few large trees and a dense undergrowth of brush and vines.

## Sample collection

Rock, soil, and stream-sediment samples were collected during three field seasons. St. Thomas and St. John were sampled during June and November 1983, respectively. St. Croix was sampled in November/December of 1984.

Stream-sediment samples were collected from third-order streams. If additional sampling detail was required, B-horizon soil samples were collected in the intervening areas. At stream-sediment and soil sites, a 10-15 lb composite sample was collected for panning and a 1-lb sample for sieving. In many instances, especially on St. Croix, a stream-sediment and an adjacent soil sample were collected. Outcrops were sampled whenever available near a stream-sediment or soil sample site as a composited 1-lb chip sample. Sample sites for St. Thomas, St. John, and St. Croix are shown on figures 2, 3, and 4, respectively.

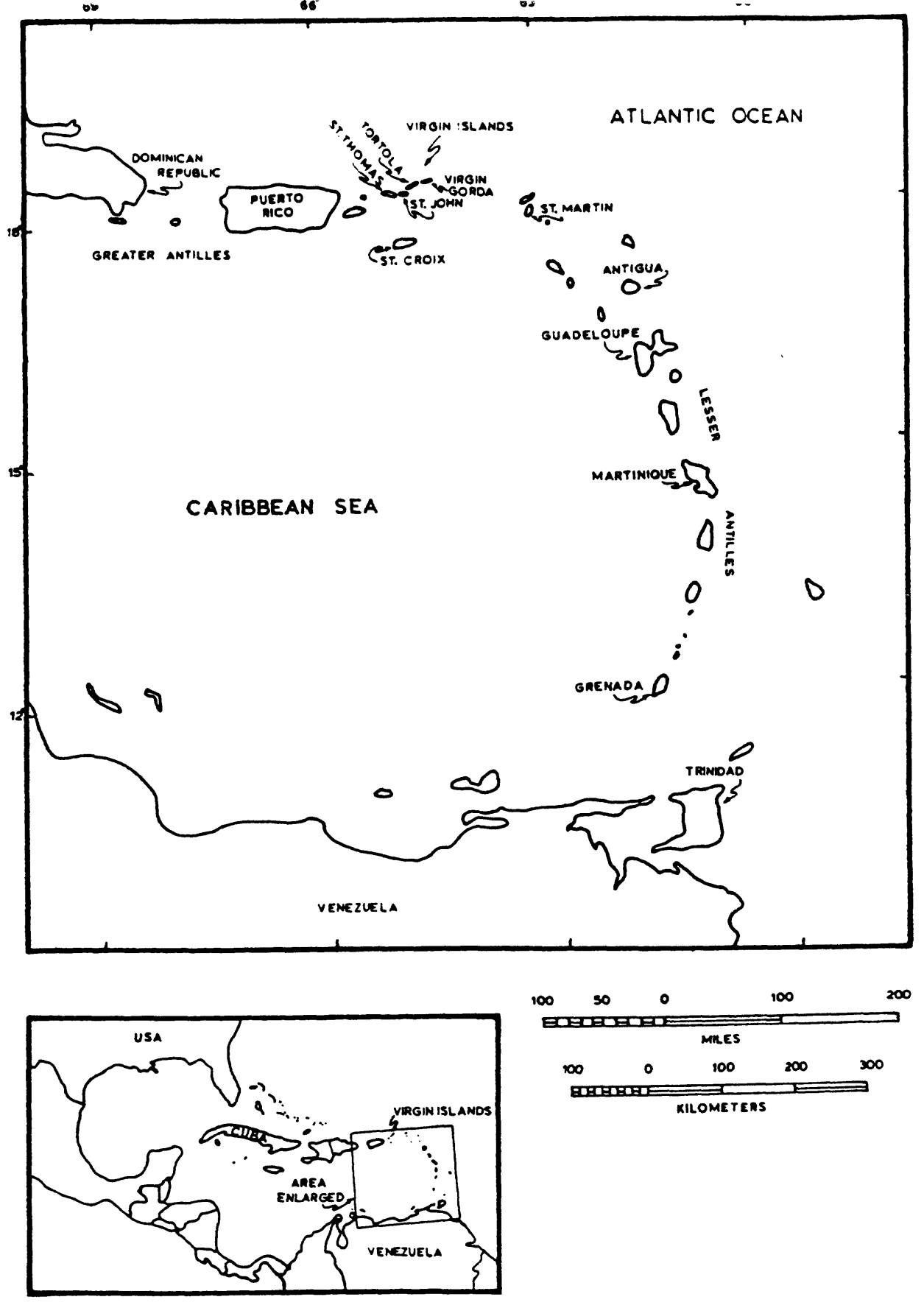


Figure 1.--Index map of the Virgin Islands and vicinity.

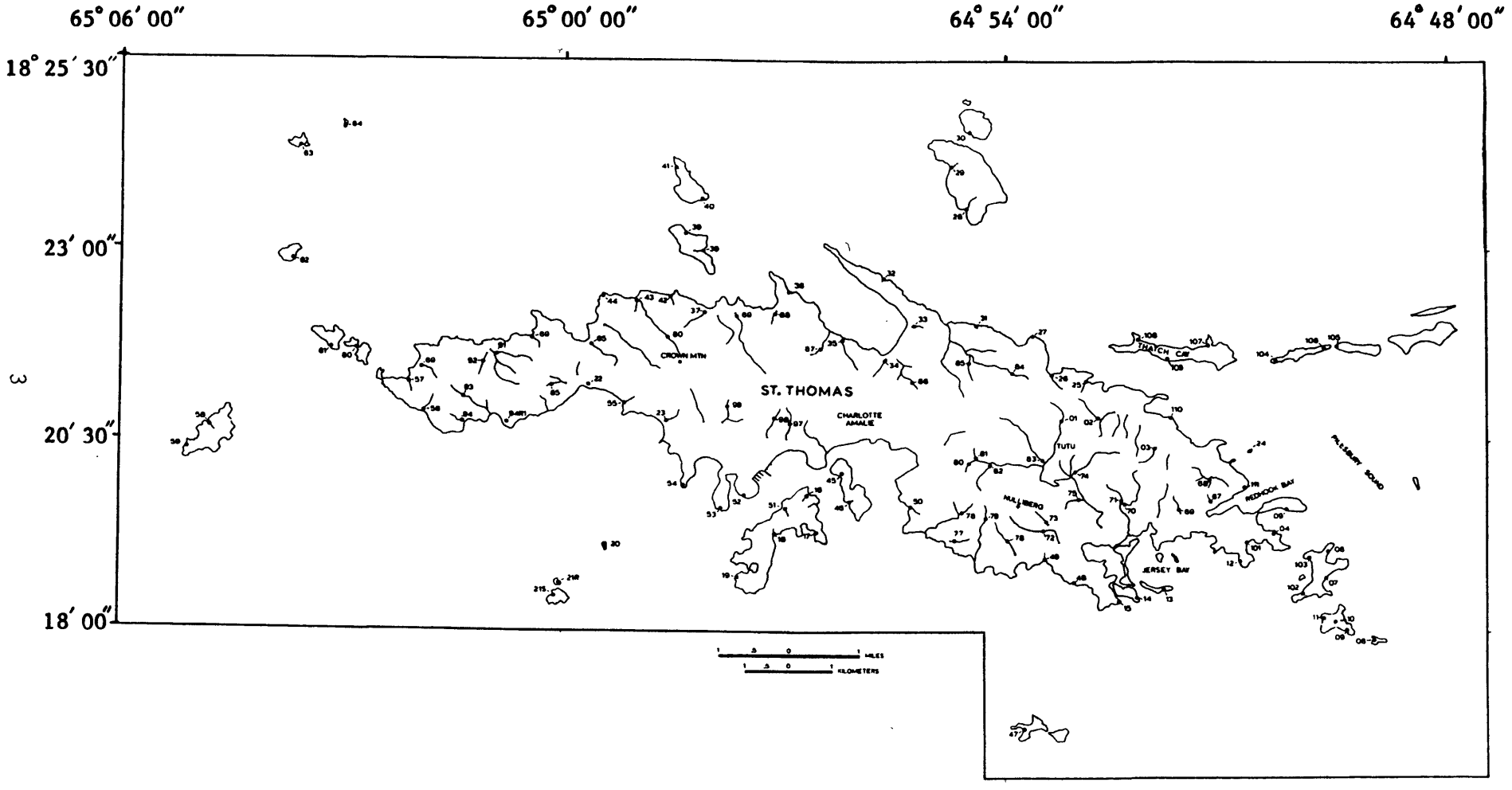


Figure 2.--Sampling sites on St. Thomas, U.S. Virgin Islands.

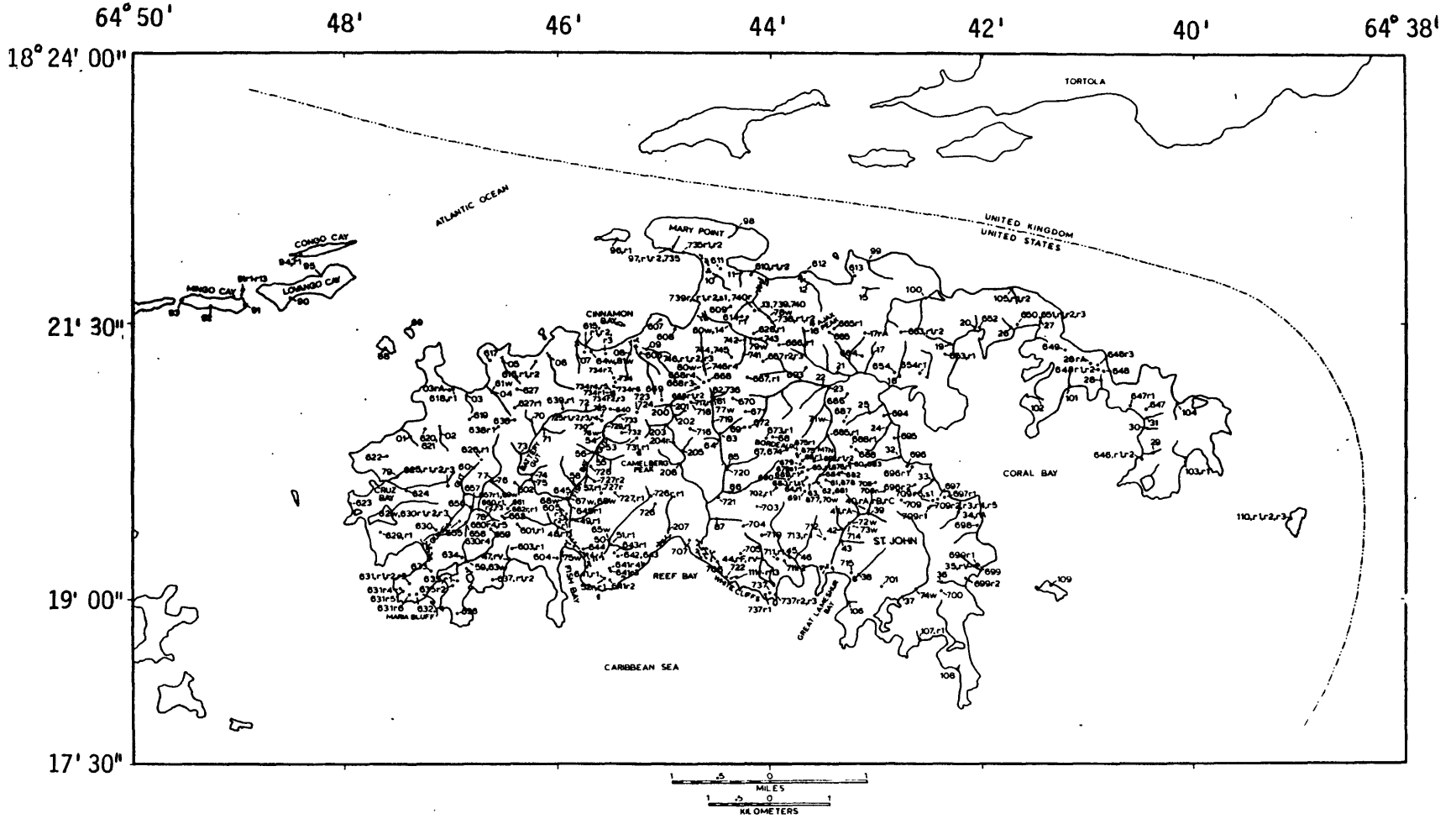


Figure 3.-- Sampling sites on St. John, U.S. Virgin Islands.

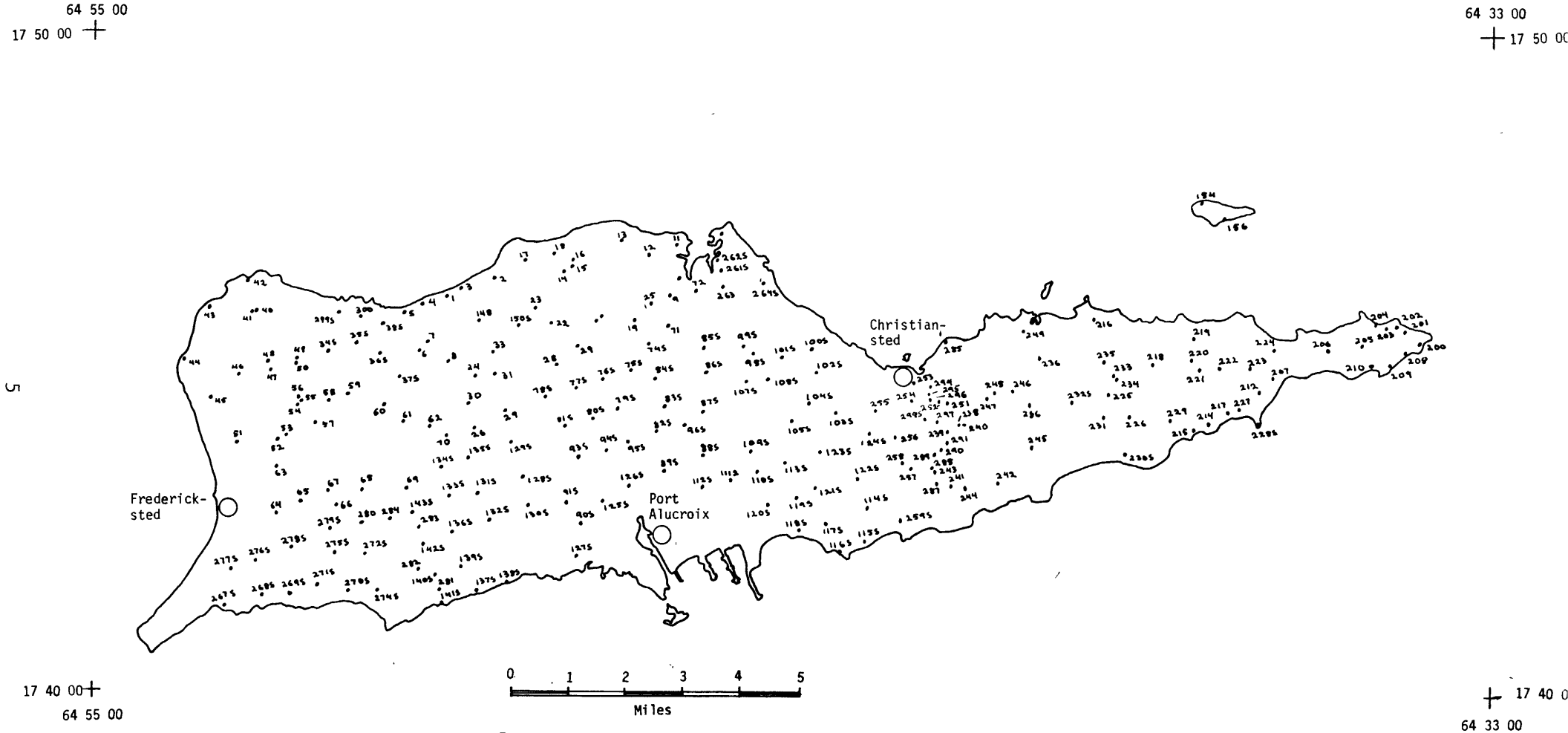


Figure 4. Sampling sites on St. Croix.

Figure 4. Sampling sites on St. Croix

## Sample preparation

All samples were oven dried at 250°F for six hours as per U.S. Department of Agriculture regulations. The 1-lb soil samples were disaggregated, sieved, and the <80 mesh fraction analyzed. The stream sediments were sieved and the <80-mesh fraction analyzed. The rocks were crushed, pulverized using ceramic plates, and the resultant material was analyzed.

A sample preparation flow sheet for panned concentrates collected on St. Thomas and St. John is shown in figure 5. The St. Croix panned concentrates were treated in an identical way with the exception that the magnetic separation was done with an S. G. Frantz Co.* LB-1 model separator. A split equivalent to the 1.0 ampere L-1 model fraction was obtained using a .35 amp setting with a 15° forward and 20° side slope.

The oxalic-acid leachates were prepared by bringing 5 gm of the bromoform-light fraction to a boil in 20 ml. of 5% oxalic acid. The solution was filtered hot through a No. 41 Whatman filter and the filtrate brought to dryness on a hot plate. The resultant material was then heated for 4.5 hours at 450°C in a muffle furnace to convert the oxalates to oxides. The oxides were homogenized with a mortar and pestle prior to analysis (Alminas and Mosier, 1975).

## Sample analysis

All sample types were analyzed by the six-step D.C.-arc semiquantitative emission spectrographic method (Grimes and Marranzino, 1968) for 31 elements. All of the analytical values are reported as six steps per order of magnitude (1, 1.5, 2, 3, 5, 7 or multiples of 10). These values approximate the geometric midpoints of successive concentration ranges (Grimes and Marranzino, 1968).

This analytical method utilizes a series of elemental standards against which the elemental concentrations in the samples are compared. If a sample contains elemental concentrations above the highest standard used (table 1), the elemental concentration is represented by a "greater than" symbols (>) before the upper standard. If a sample contains elemental concentrations below the lowest standard, two code designations can be assigned for the elemental concentration. If the sample concentration is slightly below the lowest standard, the elemental concentration is represented by a "less than" symbol (<) before the lower standard. If the sample concentration is not detected, the elemental concentration is given and "N" code. The six-step D.C.-arc emission spectrographic method provides reproducibility within one geometric interval of the reported value approximately 86 percent of the time and within two geometric intervals of the reported value approximately 96 percent of the time (Motooka and Grimes, 1976). The limits of determination for the spectrographic analysis of rocks and sieved soil and stream-sediment samples are given in table 1. Limits for the concentrate fractions and the oxalic-acid leachates are given in table 2.

*Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey.

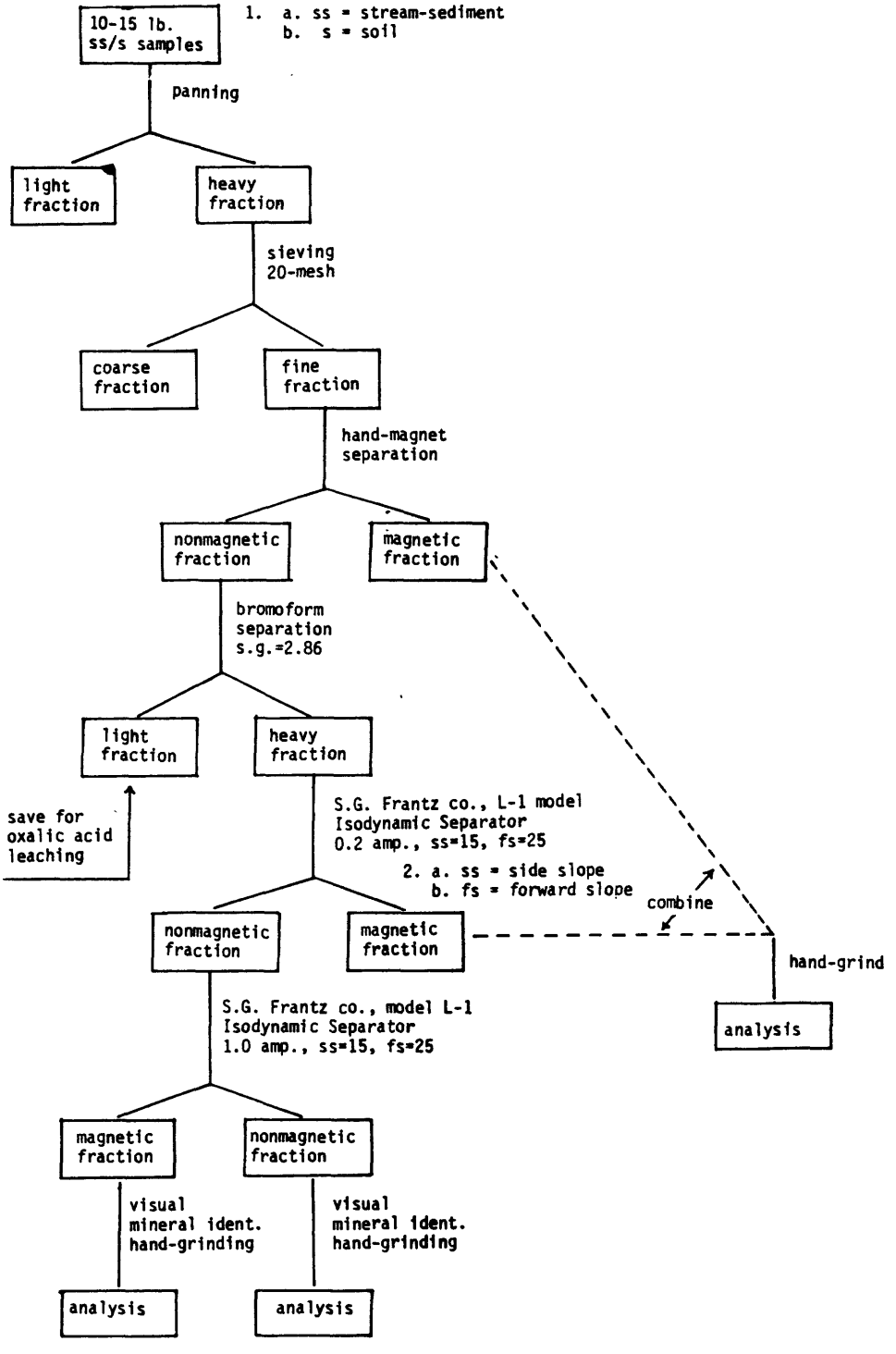


Figure 5.--Sample preparation flow sheet for concentrates.

**TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample**

| Elements | Lower determination limit | Upper determination limit |
|---|---|---|
| | Percent | |
| Iron (Fe) | 0.05 | 20 |
| Magnesium (Mg) | .02 | 10 |
| Calcium (Ca) | .05 | 20 |
| Titanium (Ti) | .002 | 1 |
| | Parts per million | |
| Manganese (Mn) | 10 | 5,000 |
| Silver (Ag) | 0.5 | 5,000 |
| Arsenic (As) | 200 | 10,000 |
| Gold (Au) | 10 | 500 |
| Boron (B) | 10 | 2,000 |
| Barium (Ba) | 20 | 5,000 |
| Beryllium (Be) | 1 | 1,000 |
| Bismuth (Bi) | 10 | 1,000 |
| Cadmium (Cd) | 20 | 500 |
| Cobalt (Co) | 5 | 2,000 |
| Chromium (Cr) | 10 | 5,000 |
| Copper (Cu) | 5 | 20,000 |
| Lanthanum (La) | 20 | 1,000 |
| Molybdenum (Mo) | 5 | 2,000 |
| Niobium (Nb) | 20 | 2,000 |
| Nickel (Ni) | 5 | 5,000 |
| Lead (Pb) | 10 | 20,000 |
| Antimony (Sb) | 100 | 10,000 |
| Scandium (Sc) | 5 | 100 |
| Tin (Sn) | 10 | 1,000 |
| Strontium (Sr) | 100 | 5,000 |
| Vanadium (V) | 10 | 10,000 |
| Tungsten (W) | 50 | 10,000 |
| Yttrium (Y) | 10 | 2,000 |
| Zinc (Zn) | 200 | 10,000 |
| Zirconium (Zr) | 10 | 1,000 |
| Thorium (Th) | 100 | 2,000 |

**TABLE 2.--Limits of determination for the spectrographic analysis of the nonmagnetic, magnetic, and hand-magnet fractions of panned concentrates and oxalic-acid leachates, based on a 5-mg sample**

| Elements | Lower determination limit | Upper determination limit |
|---|---|---|
| | Percent | |
| Iron (Fe) | 0.10 | 50 |
| Magnesium (Mg) | .05 | 20 |
| Calcium (Ca) | .10 | 50 |
| Titanium (Ti) | .005 | 2 |
| | Parts per million | |
| Manganese (Mn) | 20 | 10,000 |
| Silver (Ag) | .1 | 10,000 |
| Arsenic (As) | 500 | 20,000 |
| Gold (Au) | 20 | 1,000 |
| Boron (B) | 20 | 5,000 |
| Barium (Ba) | 50 | 10,000 |
| Beryllium (Be) | 2 | 2,000 |
| Bismuth (Bi) | 20 | 2,000 |
| Cadmium (Cd) | 50 | 1,000 |
| Cobalt (Co) | 10 | 5,000 |
| Chromium (Cr) | 20 | 10,000 |
| Copper (Cu) | 10 | 50,000 |
| Lanthanum (La) | 50 | 2,000 |
| Molybdenum (Mo) | 10 | 5,000 |
| Niobium (Nb) | 50 | 5,000 |
| Nickel (Ni) | 10 | 10,000 |
| Lead (Pb) | 20 | 50,000 |
| Antimony (Sb) | 200 | 20,000 |
| Scandium (Sc) | 10 | 200 |
| Tin (Sn) | 20 | 2,000 |
| Strontium (Sr) | 200 | 10,000 |
| Vanadium (V) | 20 | 20,000 |
| Tungsten (W) | 100 | 20,000 |
| Yttrium (Y) | 20 | 5,000 |
| Zinc (Zn) | 500 | 20,000 |
| Zirconium (Zr) | 20 | 2,000 |
| Thorium (Th) | 200 | 5,000 |

## REFERENCES CITED

Alminas, H. V., and Mosier, E. L., 1975, Oxalic-acid leaching of rock, soil, and stream-sediment samples as an anomaly accentuation technique: U.S. Geological Survey Open-File Report 76-275, 24 p.

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current arc spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Hopkins, R. T., et al, 1984, Analytical results from a geochemical survey of St. Thomas and St. John, U.S. Virgin Islands, using soil, rock, and panned-concentrate samples: U.S. Geological Survey Open-File Report 84-785, 64 p.

Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.

## Explanation of data tables

The data in tables 3-9 are presented in the same sequence for all sample types: St. Thomas, St. John and St. Croix. The letters ST, SJ and SC in the field numbers identify the sites as originating on the islands of St. Thomas, St. John and St. Croix, respectively.

Latitudes and longitudes are not incorporated into table 3. Here, field numbers like 84SJ001R, 84SJ001R1, 84SJ001R2 indicate that three separate outcrop samples were collected in the immediate vicinity of sample site 84SJ001. The latitude and longitude for each sample site are provided in the other data tables.

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST002R | 3.00 | 3.00 | 5.00 | .300 | 700.0 | N | N | N | 10 | 100 | N | N | N | 10 |
| ST004R | 5.00 | 3.00 | 7.00 | .500 | 700.0 | N | N | N | N | 100 | N | N | N | 20 |
| ST005R | 5.00 | 3.00 | 7.00 | .500 | 700.0 | N | N | N | N | 70 | N | N | N | 15 |
| ST006R | 5.00 | 2.00 | 3.00 | .700 | 1,000.0 | N | N | N | N | 700 | <1.0 | N | N | 15 |
| ST008R | .70 | .07 | .10 | .100 | <10.0 | N | N | N | N | 100 | N | N | N | N |
| ST008RA | 3.00 | .15 | .10 | .150 | 50.0 | N | N | N | 15 | 300 | N | N | N | N |
| ST008RB | .30 | .05 | .07 | .150 | 10.0 | N | N | N | N | 50 | N | N | N | N |
| ST008RC | 1.00 | .50 | .15 | .150 | 700.0 | N | N | N | 10 | 1,500 | <1.0 | N | N | 7 |
| ST008RD | 1.50 | .05 | .05 | .050 | <10.0 | <.5 | N | N | N | 150 | N | N | N | 7 |
| ST008RE | 5.00 | .15 | .07 | .100 | 20.0 | N | N | N | 20 | 200 | N | N | N | N |
| ST008RI | 1.00 | .15 | .10 | .150 | 700.0 | N | N | N | 10 | 200 | 1.0 | N | N | 5 |
| ST009RA | 3.00 | .07 | .07 | .030 | 20.0 | 5.0 | N | N | 15 | 100 | N | N | N | N |
| ST009RB | 10.00 | .15 | <.05 | .100 | 100.0 | N | N | N | N | 300 | <1.0 | N | N | <5 |
| ST009RC | 1.00 | 1.50 | .07 | .200 | 300.0 | N | N | N | N | 50 | N | N | N | <5 |
| ST009RD | 10.00 | .15 | .07 | .070 | 300.0 | 7.0 | N | N | 10 | 150 | <1.0 | N | N | 5 |
| ST011R | 20.00 | .15 | <.05 | .200 | 100.0 | <.5 | N | N | N | 500 | N | N | N | 7 |
| ST011R1 | 2.00 | .50 | 1.00 | .150 | 500.0 | N | N | N | N | 1,000 | <1.0 | N | N | 7 |
| ST012R | 3.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | <10 | 70 | N | N | N | 10 |
| ST013R | 2.00 | .20 | .07 | .100 | 70.0 | 2.0 | N | N | 10 | 1,000 | <1.0 | N | N | <5 |
| ST013RI | 1.50 | .70 | .07 | .200 | 300.0 | N | N | N | N | 500 | <1.0 | N | N | 7 |
| ST014R | 10.00 | .15 | .05 | .300 | 150.0 | N | N | N | N | 200 | N | N | N | 7 |
| ST015R | 5.00 | 2.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | 100 | N | N | N | 30 |
| ST016R | 2.00 | .50 | .50 | .300 | 500.0 | N | N | N | 15 | 150 | <1.0 | N | N | <5 |
| ST017R | 1.00 | .30 | .10 | .150 | 200.0 | N | N | N | N | 100 | <1.0 | N | N | N |
| ST018R | 2.00 | .70 | .02 | .150 | 500.0 | N | N | N | 15 | 20 | <1.0 | N | N | <5 |
| ST019R | 1.50 | .50 | .20 | .300 | 300.0 | .5 | N | N | N | 70 | <1.0 | N | N | <5 |
| ST020R | 1.00 | 1.00 | .10 | .150 | 500.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| ST021R | .70 | .30 | .10 | .150 | 300.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| ST021RA | .50 | .15 | .15 | .100 | <10.0 | N | N | N | 15 | 150 | <1.0 | N | N | N |
| ST021RB | 20.00 | .15 | .10 | .030 | 700.0 | N | N | N | N | 500 | <1.0 | N | N | 10 |
| ST021RC | 3.00 | 1.00 | 3.00 | .200 | 1,500.0 | N | N | N | N | 50 | N | N | N | 5 |
| ST022R | 5.00 | 2.00 | 3.00 | .300 | 1,000.0 | N | N | N | 10 | 50 | N | N | N | 20 |
| ST023R | 7.00 | 1.50 | 1.50 | 1.000 | 1,500.0 | N | N | N | 10 | 500 | N | N | N | 20 |
| ST024R | 3.00 | 2.00 | 7.00 | .150 | 2,000.0 | N | N | N | N | 100 | N | N | N | 10 |
| ST025R | 3.00 | .70 | 7.00 | .200 | 1,000.0 | N | N | N | 10 | 20 | <1.0 | N | N | 7 |
| ST026R | 7.00 | 2.00 | 2.00 | .500 | 1,000.0 | N | N | N | N | 700 | N | N | N | 20 |
| ST027R | 7.00 | 3.00 | 7.00 | .300 | 1,000.0 | N | N | N | 10 | 300 | N | N | N | 30 |
| ST028R | 3.00 | 1.50 | 10.00 | .300 | 1,000.0 | N | N | N | N | 200 | N | N | N | 10 |
| ST029R | 7.00 | 3.00 | 3.00 | .500 | 1,500.0 | N | N | N | N | 300 | N | N | N | 30 |
| ST030R | 7.00 | 1.50 | 5.00 | .300 | 1,000.0 | N | N | N | N | 150 | N | N | N | 15 |
| ST031R | 7.00 | 2.00 | 2.00 | .500 | 1,000.0 | N | N | N | 10 | 300 | N | N | N | 20 |
| ST034R | 7.00 | 1.50 | 1.00 | .500 | 1,000.0 | N | N | N | N | 100 | N | N | N | 15 |
| ST035R | 3.00 | 1.50 | 7.00 | .300 | 1,500.0 | N | N | N | 10 | 150 | N | N | N | 15 |
| ST036R | 5.00 | .50 | 10.00 | .500 | 500.0 | N | N | N | 20 | <20 | N | N | N | 10 |
| ST038R | 3.00 | .70 | 3.00 | .300 | 700.0 | N | N | N | 10 | 30 | <1.0 | N | N | 5 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST002R | 70 | 50 | 20 | N | <20 | 20 | 15 | N | 20 | N | 500 | 150 | N | 15 | N |
| ST004R | 20 | 50 | N | N | N | 15 | 10 | N | 30 | N | 500 | 300 | N | 15 | N |
| ST005R | 50 | 50 | N | N | N | 30 | 15 | N | 20 | N | 500 | 300 | N | 20 | N |
| ST006R | 15 | 70 | 20 | N | N | 7 | 20 | N | 20 | N | 500 | 200 | N | 50 | N |
| ST008R | <10 | 5 | N | 5.0 | N | <5 | <10 | N | 10 | N | <100 | 30 | N | 30 | N |
| ST008RA | N | <5 | N | 5.0 | N | 5 | N | N | 10 | N | N | <10 | N | 20 | N |
| ST008RB | N | <5 | N | 5.0 | N | 5 | N | N | 7 | N | N | <10 | N | 30 | N |
| ST008RC | <10 | <5 | N | N | N | 15 | 20 | N | <5 | N | 500 | 50 | N | N | N |
| ST008RD | <10 | 15 | N | 5.0 | N | 10 | N | N | 5 | N | N | 30 | N | 10 | N |
| ST008RE | <10 | 5 | N | 5.0 | N | 5 | <10 | N | 10 | N | N | 30 | N | 20 | N |
| ST008RI | N | N | N | N | N | 10 | 20 | N | <5 | N | 500 | 50 | N | <10 | N |
| ST009RA | N | 7 | N | 10.0 | N | 7 | 15 | N | <5 | N | N | 15 | N | 15 | N |
| ST009RB | N | 15 | N | 10.0 | N | 5 | 10 | N | 10 | N | N | 30 | N | 50 | N |
| ST009RC | N | <5 | N | N | N | 5 | <10 | N | 10 | N | <100 | 30 | N | 20 | N |
| ST009RD | N | 20 | N | 20.0 | N | 7 | 100 | N | 5 | N | 100 | 30 | N | 30 | 300 |
| ST011R | <10 | 15 | N | 15.0 | N | <5 | 20 | N | 10 | N | N | 300 | N | 30 | N |
| ST011R1 | N | 20 | N | N | N | 10 | 10 | N | 5 | N | 500 | 70 | N | 10 | N |
| ST012R | N | 15 | N | N | N | 5 | <10 | N | 20 | N | 500 | 200 | N | 15 | N |
| ST013R | 10 | 20 | N | 20.0 | N | 10 | 10 | N | 7 | N | N | 30 | N | 20 | N |
| ST013RI | 10 | 700 | N | N | N | 15 | 10 | N | 5 | N | 200 | 70 | N | 10 | 1,000 |
| ST014R | 70 | 100 | N | N | N | 20 | 10 | N | 15 | N | N | 300 | N | 15 | N |
| ST015R | 20 | 70 | N | N | N | 20 | 10 | N | 20 | N | 500 | 200 | N | 10 | N |
| ST016R | 10 | 20 | N | N | N | 5 | 10 | N | 15 | N | 150 | 20 | N | 20 | N |
| ST017R | <10 | <5 | N | N | N | <5 | N | N | 10 | N | N | 10 | N | 30 | N |
| ST018R | <10 | <5 | <20 | N | N | 5 | 10 | N | 10 | N | N | 10 | N | 20 | <200 |
| ST019R | <10 | 15 | <20 | N | N | <5 | 15 | N | 10 | N | 100 | 30 | N | 20 | 700 |
| ST020R | <10 | <5 | <20 | N | N | 5 | 20 | N | 7 | N | N | <10 | N | 20 | N |
| ST021R | <10 | <5 | N | N | N | <5 | <10 | N | 7 | N | N | 10 | N | 15 | N |
| ST021RA | N | <5 | N | N | N | 5 | 70 | N | <5 | N | N | <10 | N | 10 | N |
| ST021RB | <10 | 1,000 | N | N | N | 10 | 700 | N | 7 | N | N | 10 | N | 100 | N |
| ST021RC | 50 | 100 | N | N | N | 15 | <10 | N | 20 | N | 200 | 70 | N | 20 | N |
| ST022R | 20 | 70 | N | N | N | 15 | <10 | N | 30 | N | 300 | 100 | N | 15 | N |
| ST023R | <10 | 70 | <20 | N | N | 5 | <10 | N | 20 | N | 300 | 150 | N | 50 | N |
| ST024R | 30 | 15 | N | N | N | 10 | 10 | N | 20 | N | 300 | 100 | N | <10 | 200 |
| ST025R | <10 | 15 | <20 | N | N | 5 | 15 | N | 7 | N | 1,000 | 100 | N | 15 | N |
| ST026R | 10 | 150 | N | N | N | 10 | 10 | N | 30 | N | 300 | 100 | N | 20 | N |
| ST027R | 30 | 100 | <20 | N | N | 15 | 15 | N | 30 | N | 700 | 150 | N | 15 | N |
| ST028R | 10 | 30 | N | N | N | 7 | 10 | N | 15 | N | 300 | 100 | N | 15 | N |
| ST029R | 20 | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 500 | 200 | N | 20 | N |
| ST030R | 15 | 50 | N | N | N | 10 | 15 | N | 20 | N | 700 | 200 | N | 15 | N |
| ST031R | 20 | 150 | N | N | N | 15 | 15 | N | 30 | N | 300 | 200 | N | 15 | N |
| ST034R | <10 | 300 | N | N | N | 5 | 15 | N | 20 | N | 150 | 150 | N | 20 | N |
| ST035R | 30 | 70 | N | N | N | 20 | 10 | N | 30 | N | 150 | 300 | N | 15 | N |
| ST036R | 30 | 50 | <20 | N | N | 20 | 10 | N | 30 | N | 1,500 | 500 | N | 15 | N |
| ST038R | 15 | 30 | N | N | N | 7 | 10 | N | 15 | N | 500 | 150 | N | 20 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| ST002R | 70 | N |
| ST004R | 20 | N |
| ST005R | 50 | N |
| ST006R | 100 | N |
| ST008R | 100 | N |
| ST008RA | 100 | N |
| ST008RB | 100 | N |
| ST008RC | 30 | N |
| ST008RD | 30 | N |
| ST008RE | 70 | N |
| ST008RI | 50 | N |
| ST009RA | 20 | N |
| ST009RB | 100 | N |
| ST009RC | 100 | N |
| ST009RD | 50 | N |
| ST011R | 50 | N |
| ST011R1 | 50 | N |
| ST012R | 30 | N |
| ST013R | 100 | N |
| ST013RI | 50 | N |
| ST014R | 10 | N |
| ST015R | 30 | N |
| ST016R | 50 | N |
| ST017R | 100 | N |
| ST018R | 100 | N |
| ST019R | 70 | N |
| ST020R | 50 | N |
| ST021R | 50 | N |
| ST021RA | 70 | N |
| ST021RB | 20 | N |
| ST021RC | 100 | N |
| ST022R | 15 | N |
| ST023R | 50 | N |
| ST024R | 10 | N |
| ST025R | 30 | N |
| ST026R | 50 | N |
| ST027R | 30 | N |
| ST028R | 30 | N |
| ST029R | 30 | N |
| ST030R | 20 | N |
| ST031R | 30 | N |
| ST034R | 20 | N |
| ST035R | 15 | N |
| ST036R | 15 | N |
| ST038R | 70 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST039R | 3.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | N | 200 | N | N | N | 7 |
| ST040R | 7.00 | 1.50 | 2.00 | 1.000 | 1,500.0 | N | N | N | 10 | 1,000 | <1.0 | N | N | 10 |
| ST041R | 3.00 | 1.50 | 5.00 | .300 | 700.0 | N | N | N | 20 | 200 | N | N | N | 10 |
| ST041R1 | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 10 | 200 | N | N | N | 20 |
| ST042R | 5.00 | 1.00 | .70 | .500 | 700.0 | N | N | N | 10 | 70 | N | N | N | 20 |
| ST043R | 7.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 15 | 1,000 | N | N | N | 20 |
| ST044R | 7.00 | 2.00 | 3.00 | .700 | 1,500.0 | N | N | N | N | 200 | <1.0 | N | N | 20 |
| ST045R | 1.50 | .30 | .20 | .300 | 500.0 | N | N | N | 15 | 150 | <1.0 | N | N | 5 |
| ST046R | 1.50 | .70 | .20 | .200 | 500.0 | 15.0 | N | N | 10 | 50 | <1.0 | N | N | 5 |
| ST047R | 3.00 | 1.50 | 3.00 | .300 | 700.0 | N | N | N | 10 | 300 | <1.0 | N | N | 10 |
| ST048R | 2.00 | .30 | .70 | .100 | 300.0 | N | N | N | <10 | 1,000 | 1.0 | 70 | N | 5 |
| ST048R1 | 5.00 | .07 | <.05 | .150 | 150.0 | 3.0 | N | N | 10 | 100 | N | N | N | 5 |
| ST049R | 1.00 | .07 | .07 | .200 | 20.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| ST050R | 1.00 | 1.00 | .30 | .150 | 500.0 | N | N | N | 10 | 20 | <1.0 | N | N | N |
| ST051R | 2.00 | .70 | .50 | .200 | 700.0 | N | N | N | 20 | 100 | 1.0 | N | N | <5 |
| ST052R | .50 | .20 | .07 | .150 | 70.0 | N | N | N | N | 200 | <1.0 | N | N | N |
| ST053R | .70 | .50 | .07 | .200 | 300.0 | N | N | N | N | 200 | <1.0 | N | N | <5 |
| ST054R | 3.00 | .10 | <.05 | .100 | 20.0 | N | N | N | N | 700 | N | N | N | N |
| ST055R | 5.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | 10 | 50 | N | N | N | 10 |
| ST056R | 7.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 15 | 150 | N | N | N | 20 |
| ST057R | 7.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 10 | 300 | N | N | N | 20 |
| ST057R1 | 3.00 | .70 | 1.50 | .300 | 1,500.0 | N | N | N | 10 | 1,000 | <1.0 | N | N | <5 |
| ST058R | 2.00 | 1.00 | 3.00 | .200 | 1,000.0 | N | N | N | 10 | 150 | <1.0 | N | N | 10 |
| ST059R | 5.00 | 2.00 | 5.00 | .300 | 1,000.0 | N | N | N | 10 | 300 | N | N | N | 10 |
| ST060R | 3.00 | .70 | 1.50 | .300 | 1,000.0 | N | N | N | N | 50 | N | N | N | 10 |
| ST061R | 5.00 | 1.50 | 1.50 | .300 | 1,000.0 | N | N | N | 10 | 200 | N | N | N | 10 |
| ST062R | 5.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | <10 | 150 | <1.0 | N | N | 10 |
| ST062R1 | 5.00 | 1.50 | 2.00 | .300 | 1,000.0 | .5 | N | N | <10 | 700 | N | N | N | 10 |
| ST063R | 7.00 | 2.00 | 7.00 | .500 | 1,500.0 | 7.0 | N | N | 10 | 50 | N | N | N | 20 |
| ST064R | 1.00 | .20 | 1.50 | .100 | 500.0 | N | N | N | <10 | 150 | N | N | N | <5 |
| ST064R1 | 3.00 | .70 | 3.00 | .300 | 1,000.0 | N | N | N | 10 | 500 | <1.0 | N | N | 5 |
| ST065R | 2.00 | .50 | .50 | .150 | 500.0 | N | N | N | 10 | 200 | N | N | N | 7 |
| ST066R | 10.00 | 2.00 | 5.00 | .300 | 1,000.0 | N | N | N | 50 | <20 | N | N | N | 30 |
| ST067R | 2.00 | .50 | .50 | .200 | 1,000.0 | N | N | N | N | 1,000 | <1.0 | N | N | 5 |
| ST068R | 7.00 | 2.00 | .20 | .500 | 1,000.0 | N | N | N | N | 1,000 | N | N | N | 20 |
| ST069R | .70 | .20 | <.05 | .070 | 150.0 | <.5 | N | N | 20 | 100 | <1.0 | N | N | <5 |
| ST071R | 3.00 | .05 | .07 | .300 | <10.0 | 10.0 | N | N | 15 | 700 | N | N | N | <5 |
| ST071R1 | 3.00 | .10 | .07 | .200 | 50.0 | 2.0 | 300 | N | 20 | 1,500 | N | N | N | <5 |
| ST073R | 7.00 | 5.00 | 1.50 | .300 | 1,000.0 | N | N | N | N | <20 | N | N | N | 50 |
| ST074R | 1.00 | .15 | .20 | .200 | 300.0 | N | N | N | N | 150 | N | N | N | N |
| ST075R | 1.50 | .30 | .15 | .200 | 200.0 | N | N | N | N | 20 | <1.0 | N | N | N |
| ST075R1 | 5.00 | 1.00 | .70 | .500 | 1,000.0 | N | N | N | 20 | 150 | <1.0 | N | N | 7 |
| ST076R | 7.00 | 5.00 | 5.00 | .500 | 1,000.0 | N | N | N | 10 | N | N | N | N | 30 |
| ST078R | 1.00 | .70 | .15 | .200 | 300.0 | N | N | N | N | 50 | <1.0 | N | N | 5 |
| ST079R | 1.50 | .70 | .10 | .150 | 500.0 | N | N | N | N | <20 | <1.0 | N | N | 5 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST039R | 10 | 30 | <20 | N | N | 5 | <10 | N | 20 | N | 500 | 150 | N | 15 | N |
| ST040R | <10 | 150 | 20 | N | N | <5 | 10 | N | 20 | N | 500 | 150 | N | 30 | N |
| ST041R | 30 | 70 | N | N | N | 15 | <10 | N | 20 | N | 300 | 300 | N | 10 | N |
| ST041R1 | 30 | 100 | N | N | N | 20 | 10 | N | 20 | N | 500 | 300 | N | 15 | N |
| ST042R | <10 | 100 | <20 | N | N | <5 | <10 | N | 30 | N | <100 | 200 | N | 20 | N |
| ST043R | N | 150 | N | N | N | 5 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| ST044R | <10 | 70 | N | N | N | 7 | 10 | N | 30 | N | 300 | 300 | N | 30 | N |
| ST045R | N | <5 | <20 | N | N | <5 | 15 | N | 10 | N | 100 | 70 | N | 20 | N |
| ST046R | <10 | 7 | <20 | N | N | <5 | 15 | N | 10 | N | 150 | <10 | N | 20 | N |
| ST047R | 20 | 20 | <20 | N | N | 15 | 10 | N | 15 | N | 300 | 200 | N | 20 | N |
| ST048R | <10 | 200 | <20 | N | N | 5 | 20 | N | <5 | N | 700 | 50 | N | 10 | N |
| ST048R1 | 70 | 70 | N | 20.0 | N | 10 | 20 | N | <5 | N | N | 100 | N | N | N |
| ST049R | N | 30 | N | N | N | 5 | <10 | N | 10 | N | N | 10 | N | 30 | N |
| ST050R | N | 15 | <20 | N | N | <5 | 15 | N | 7 | N | <100 | 20 | N | 20 | N |
| ST051R | N | <5 | <20 | N | N | 5 | 10 | N | 10 | N | <100 | 10 | N | 50 | N |
| ST052R | N | <5 | <20 | N | N | <5 | <10 | N | 7 | N | <100 | 10 | N | 20 | N |
| ST053R | N | N | <20 | N | N | <5 | 10 | N | 7 | N | N | 10 | N | 20 | N |
| ST054R | <10 | 30 | N | N | N | <5 | <10 | N | 5 | N | N | 10 | N | 10 | N |
| ST055R | <10 | 70 | N | N | N | 5 | 10 | N | 20 | N | 300 | 300 | N | 15 | N |
| ST056R | <10 | 150 | N | N | N | 15 | N | N | 30 | N | 200 | 500 | N | 20 | N |
| ST057R | N | 200 | N | N | N | 10 | 10 | N | 30 | N | 200 | 300 | N | 20 | N |
| ST057R1 | <10 | N | 20 | N | N | <5 | 10 | N | <5 | N | 700 | 50 | N | 20 | N |
| ST058R | 10 | 20 | <20 | N | N | 5 | 10 | N | 15 | N | 500 | 200 | N | 20 | N |
| ST059R | 10 | 50 | N | N | N | 10 | <10 | N | 20 | N | 200 | 150 | N | 15 | N |
| ST060R | <10 | 70 | <20 | N | N | 5 | <10 | N | 15 | N | N | 100 | N | 30 | N |
| ST061R | 10 | 70 | N | N | N | 10 | <10 | N | 30 | N | 200 | 150 | N | 20 | N |
| ST062R | 15 | 50 | <20 | N | N | 10 | 10 | N | 20 | N | 300 | 200 | N | 20 | N |
| ST062R1 | 30 | 150 | <20 | N | N | 20 | 10 | N | 20 | N | 300 | 200 | N | 30 | N |
| ST063R | 20 | 70 | N | N | N | 10 | 10 | N | 30 | N | 200 | 300 | N | 20 | N |
| ST064R | <10 | 10 | <20 | N | N | 7 | N | N | 5 | N | 200 | 50 | N | N | N |
| ST064R1 | <10 | 20 | <20 | N | N | 7 | 20 | N | 10 | N | <100 | 30 | N | 30 | N |
| ST065R | N | 5 | <20 | N | N | 10 | N | N | 7 | N | <100 | 150 | N | <10 | N |
| ST066R | 10 | 100 | N | N | N | 15 | <10 | N | 30 | N | 200 | 300 | N | 20 | N |
| ST067R | <10 | <5 | N | N | N | 5 | 15 | N | 5 | N | 500 | 70 | N | <10 | N |
| ST068R | 15 | 100 | N | N | N | 15 | 10 | N | 30 | N | 300 | 200 | N | 50 | N |
| ST069R | N | <5 | N | N | N | 5 | 15 | N | 5 | N | N | 10 | N | 15 | N |
| ST071R | 10 | 15 | N | 15.0 | N | 5 | 200 | N | 10 | N | N | 70 | N | 50 | N |
| ST071R1 | 10 | 15 | N | 10.0 | N | 5 | 200 | <100 | 7 | N | 200 | 70 | N | 20 | N |
| ST073R | 150 | 500 | N | N | N | 70 | <10 | N | 30 | N | 150 | 300 | N | 15 | N |
| ST074R | N | 10 | <20 | N | N | 5 | <10 | N | 7 | N | N | 50 | N | 20 | N |
| ST075R | N | 15 | <20 | N | N | <5 | N | N | 7 | N | N | 20 | N | 20 | N |
| ST075R1 | N | <5 | <20 | N | N | <5 | 10 | N | 20 | N | 200 | 50 | N | 50 | N |
| ST076R | 150 | 30 | N | N | N | 70 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| ST078R | N | 15 | <20 | N | N | 5 | 10 | N | 7 | N | N | 20 | N | 20 | N |
| ST079R | N | <5 | <20 | N | N | 5 | N | N | 7 | N | N | 30 | N | 20 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| ST039R | 30 | N |
| ST040R | 100 | N |
| ST041R | 20 | N |
| ST041R1 | 30 | N |
| ST042R | 20 | N |
| ST043R | 30 | N |
| ST044R | 100 | N |
| ST045R | 70 | N |
| ST046R | 50 | N |
| ST047R | 30 | N |
| ST048R | 30 | N |
| ST048RI | <10 | N |
| ST049R | 100 | N |
| ST050R | 70 | N |
| ST051R | 100 | N |
| ST052R | 70 | N |
| ST053R | 70 | N |
| ST054R | 30 | N |
| ST055R | 15 | N |
| ST056R | 20 | N |
| ST057R | 20 | N |
| ST057R1 | 100 | N |
| ST058R | 30 | N |
| ST059R | 30 | N |
| ST060R | 50 | N |
| ST061R | 20 | N |
| ST062R | 70 | N |
| ST062R1 | 50 | N |
| ST063R | 30 | N |
| ST064R | 15 | N |
| ST064R1 | 100 | N |
| ST065R | 10 | N |
| ST066R | 15 | N |
| ST067R | 30 | N |
| ST068R | 30 | N |
| ST069R | 30 | N |
| ST071R | 70 | N |
| ST071R1 | 70 | N |
| ST073R | 10 | N |
| ST074R | 50 | N |
| ST075R | 30 | N |
| ST075R1 | 200 | N |
| ST076R | 20 | N |
| ST078R | 30 | N |
| ST079R | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST082R | 5.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | N | 500 | N | N | N | 10 |
| ST083R | 2.00 | .70 | 1.00 | .300 | 700.0 | N | N | N | 20 | 200 | <1.0 | N | N | 7 |
| ST084R | 5.00 | 1.50 | 3.00 | .300 | 300.0 | 2.0 | N | N | 20 | 300 | N | N | N | 30 |
| ST085R | 5.00 | .70 | .70 | .300 | 300.0 | N | N | N | <10 | 20 | N | N | N | 10 |
| ST087R | 3.00 | .70 | 1.50 | .300 | 1,000.0 | N | N | N | 15 | 500 | <1.0 | N | N | 10 |
| ST089R | 3.00 | .70 | 1.00 | .300 | 700.0 | 2.0 | N | N | N | 20 | <1.0 | N | N | 7 |
| ST090R | 7.00 | 1.50 | 1.50 | .300 | 1,000.0 | N | N | N | 10 | 150 | N | N | N | 30 |
| ST092R | 7.00 | 1.00 | 1.50 | 5.000 | 1,000.0 | N | N | N | 10 | 70 | N | N | N | 15 |
| ST093R | 7.00 | 1.50 | 2.00 | .300 | 1,000.0 | N | N | N | 20 | 150 | N | N | N | 30 |
| ST094R | 7.00 | 1.50 | 7.00 | .500 | 1,000.0 | N | N | N | 70 | 100 | N | N | N | 30 |
| ST094R1 | .70 | 1.00 | 20.00 | .070 | 700.0 | N | N | N | N | N | N | N | N | 7 |
| ST095R | 7.00 | 2.00 | 2.00 | .500 | 1,000.0 | N | N | N | 20 | 100 | N | N | N | 20 |
| ST096R | 7.00 | 1.50 | 2.00 | .500 | 1,000.0 | N | N | N | 20 | 70 | N | N | N | 30 |
| ST098R | 5.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | 150 | N | N | N | 30 |
| ST101R | 2.00 | .70 | .70 | .200 | 500.0 | N | N | N | <10 | 70 | <1.0 | N | N | 5 |
| ST102R | 5.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | <20 | N | N | N | 30 |
| ST103R | 7.00 | 5.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | 100 | N | N | N | 50 |
| ST104R | 5.00 | 1.50 | 7.00 | .300 | 1,000.0 | N | N | N | N | 1,000 | <1.0 | N | N | 20 |
| ST105R | 3.00 | 1.50 | 15.00 | .300 | 1,000.0 | N | N | N | N | 300 | N | N | N | 10 |
| ST106R | 7.00 | 3.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 200 | N | N | N | 20 |
| ST107R | 7.00 | 3.00 | 5.00 | .500 | 1,000.0 | N | N | N | N | 300 | N | N | N | 20 |
| ST108R | 3.00 | 1.50 | 7.00 | .300 | 700.0 | N | N | N | 30 | 700 | N | N | N | 10 |
| ST109R | 7.00 | 1.50 | 3.00 | .500 | 700.0 | N | N | N | 15 | 700 | <1.0 | N | N | 15 |
| ST110R | 2.00 | 1.00 | 20.00 | .150 | 1,000.0 | N | N | N | N | 700 | <1.0 | N | N | 5 |
| ST111R | 1.00 | .15 | .20 | .150 | 500.0 | N | N | N | 20 | 1,000 | <1.0 | N | N | 5 |
| ST112R | 7.00 | 5.00 | 5.00 | .500 | 5,000.0 | N | N | N | 15 | 200 | N | N | N | 30 |
| ST113R | 7.00 | 3.00 | 5.00 | .700 | 1,500.0 | N | N | N | 20 | 100 | N | N | N | 20 |
| ST114R | 1.50 | .30 | .20 | .200 | 500.0 | N | N | N | N | 500 | <1.0 | N | N | 5 |
| ST115R | 1.50 | .50 | .30 | .300 | 500.0 | N | N | N | N | 150 | <1.0 | N | N | 5 |
| ST116R | 2.00 | .20 | .07 | .030 | 300.0 | 200.0 | N | 20 | <10 | 30 | N | N | N | 7 |
| ST117R | 1.00 | .05 | <.05 | .030 | 70.0 | 200.0 | N | 15 | <10 | 20 | <1.0 | N | N | <5 |
| ST118R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | <.5 | N | N | N | 100 | N | N | N | 30 |
| ST119R | 5.00 | .15 | .10 | .200 | 20.0 | 3.0 | N | N | <10 | 70 | <1.0 | 15 | N | N |
| ST120R | 2.00 | .50 | .30 | .200 | 700.0 | N | N | N | N | 70 | <1.0 | N | N | N |
| ST200R | 5.00 | 2.00 | 5.00 | .300 | 1,500.0 | N | N | N | 10 | 30 | N | N | N | 30 |
| ST201R | 10.00 | .50 | .07 | .200 | 150.0 | 1.5 | 300 | N | <10 | 500 | <1.0 | 70 | N | N |
| ST202R | 1.00 | .10 | .10 | .300 | 20.0 | 100.0 | N | N | 10 | 300 | N | 70 | N | 5 |
| ST203R | 5.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 30 |
| ST204R | 5.00 | 3.00 | 7.00 | .200 | 1,500.0 | N | N | N | 10 | 300 | N | N | N | 15 |
| ST205R | 5.00 | 3.00 | 7.00 | .300 | 1,500.0 | N | N | N | <10 | 150 | N | N | N | 20 |
| ST206R | 1.00 | .50 | 2.00 | .300 | 1,000.0 | N | N | N | 50 | 200 | <1.0 | N | N | 5 |
| ST207R | 1.50 | 1.00 | 2.00 | .300 | 1,000.0 | N | N | N | 50 | 500 | <1.0 | N | N | 5 |
| ST208R | .70 | 1.00 | 1.50 | .200 | 700.0 | N | N | N | 70 | 300 | <1.0 | N | N | 5 |
| ST209R | 1.00 | 1.00 | 3.00 | .300 | 700.0 | N | N | N | 70 | 300 | <1.0 | N | N | 5 |
| ST210R | 7.00 | 2.00 | 3.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 10 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST082R | N | 50 | N | N | N | 5 | 10 | N | 20 | N | 300 | 200 | N | 30 | N |
| ST083R | <10 | <5 | <20 | N | N | <5 | <10 | N | 10 | N | <100 | 70 | N | 30 | N |
| ST084R | 30 | 100 | N | N | N | 15 | 10 | N | 30 | N | 500 | 300 | N | 10 | N |
| ST085R | N | 20 | <20 | N | N | <5 | 10 | N | 20 | N | 200 | 300 | N | 15 | N |
| ST087R | <10 | 30 | <20 | <5.0 | N | 5 | 10 | N | 20 | N | 500 | 100 | N | 20 | N |
| ST089R | N | 30 | <20 | N | N | <5 | <10 | N | 15 | N | N | 50 | N | 20 | N |
| ST090R | <10 | 150 | N | N | N | 10 | 10 | N | 30 | N | 700 | 300 | N | 20 | N |
| ST092R | N | 200 | <20 | N | N | <5 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| ST093R | 20 | 150 | N | N | N | 15 | <10 | N | 30 | N | 150 | 300 | N | 15 | N |
| ST094R | 20 | 200 | N | N | N | 15 | <10 | N | 30 | N | 200 | 500 | N | 15 | N |
| ST094R1 | 15 | 15 | <20 | N | N | <5 | N | N | 7 | N | 150 | 70 | N | <10 | N |
| ST095R | 20 | 150 | N | N | N | 15 | <10 | N | 30 | N | 200 | 500 | N | 20 | N |
| ST096R | 10 | 150 | N | N | N | 15 | <10 | N | 30 | N | 150 | 500 | N | 20 | N |
| ST098R | 30 | 200 | N | N | N | 30 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| ST101R | N | <5 | N | N | N | <5 | <10 | N | 10 | N | <100 | 30 | N | 10 | N |
| ST102R | 30 | 30 | N | N | N | 20 | <10 | N | 30 | N | 200 | 300 | N | 15 | N |
| ST103R | 50 | 30 | N | N | N | 70 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| ST104R | 20 | 150 | <20 | N | N | 15 | 20 | N | 20 | N | 500 | 200 | N | 20 | N |
| ST105R | 30 | 100 | N | 7.0 | N | 10 | 10 | N | 20 | N | 2,000 | 200 | N | 20 | N |
| ST106R | 15 | 70 | N | N | N | 10 | 10 | N | 30 | N | 700 | 500 | N | 20 | N |
| ST107R | 50 | 30 | <20 | N | N | 30 | 10 | N | 30 | N | 300 | 300 | N | 30 | N |
| ST108R | 70 | 50 | <20 | N | N | 30 | 15 | N | 20 | N | 500 | 200 | N | 20 | N |
| ST109R | 30 | 200 | <20 | N | N | 20 | 30 | N | 30 | N | 500 | 200 | N | 20 | N |
| ST110R | 30 | <5 | <20 | N | N | 10 | N | N | 7 | N | 500 | 70 | N | 15 | N |
| ST111R | <10 | 15 | N | N | N | 5 | 20 | N | 5 | N | 500 | 70 | N | N | N |
| ST112R | 10 | 70 | N | N | N | 20 | 10 | N | 30 | N | 500 | 500 | N | 15 | N |
| ST113R | 10 | 150 | N | N | N | 10 | 10 | N | 30 | N | 150 | 300 | N | 30 | N |
| ST114R | N | 5 | N | N | N | 5 | N | N | 7 | N | 100 | 30 | N | 10 | N |
| ST115R | N | <5 | <20 | N | N | <5 | <10 | N | 7 | N | <100 | 30 | N | 20 | N |
| ST116R | 10 | 70 | N | N | N | 7 | 10 | N | 5 | N | N | 150 | N | N | N |
| ST117R | 20 | 15 | N | 15.0 | N | 5 | <10 | N | <5 | N | N | 30 | N | N | N |
| ST118R | 20 | 150 | N | N | N | 15 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| ST119R | <10 | 300 | N | 30.0 | N | <5 | 1,000 | N | 20 | 30 | <100 | <10 | N | 30 | 200 |
| ST120R | <10 | 15 | N | N | N | <5 | 10 | N | 10 | N | 150 | <10 | N | 20 | N |
| ST200R | 30 | 20,000 | N | N | N | 20 | 10 | N | 30 | N | <100 | 300 | N | 20 | 1,000 |
| ST201R | <10 | 700 | N | 150.0 | N | <5 | 300 | N | 5 | N | N | 30 | N | 10 | N |
| ST202R | N | 100 | N | 100.0 | N | 5 | 500 | N | <5 | N | N | <10 | N | 10 | N |
| ST203R | 20 | 50 | N | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| ST204R | 30 | 100 | <20 | N | N | 10 | N | N | 20 | N | 500 | 300 | N | <10 | N |
| ST205R | 50 | 70 | N | N | N | 20 | 10 | N | 30 | N | 150 | 300 | N | <10 | N |
| ST206R | N | 5 | <20 | N | N | <5 | <10 | N | 7 | N | 200 | 30 | N | 20 | N |
| ST207R | <10 | 10 | <20 | 7.0 | N | <5 | <10 | N | 7 | N | 150 | 30 | N | 20 | N |
| ST208R | N | 5 | N | N | N | <5 | <10 | N | 5 | N | N | 20 | N | 15 | N |
| ST209R | N | 7 | <20 | N | N | <5 | <10 | N | 7 | N | 200 | 30 | N | 30 | N |
| ST210R | <10 | 5 | N | N | N | <5 | 10 | N | 10 | N | 700 | 150 | N | 20 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| ST082R | 30 | N |
| ST083R | 100 | N |
| ST084R | 30 | N |
| ST085R | 50 | N |
| ST087R | 30 | N |
| ST089R | 30 | N |
| ST090R | 30 | N |
| ST092R | 30 | N |
| ST093R | 15 | N |
| ST094R | 15 | N |
| ST094R1 | N | N |
| ST095R | 15 | N |
| ST096R | 20 | N |
| ST098R | 15 | N |
| ST101R | 50 | N |
| ST102R | 10 | N |
| ST103R | 10 | N |
| ST104R | 70 | N |
| ST105R | 20 | N |
| ST106R | 15 | N |
| ST107R | 100 | N |
| ST108R | 70 | N |
| ST109R | 70 | N |
| ST110R | 20 | N |
| ST111R | 30 | N |
| ST112R | 15 | N |
| ST113R | 30 | N |
| ST114R | 50 | N |
| ST115R | 70 | N |
| ST116R | N | N |
| ST117R | <10 | N |
| ST118R | 30 | N |
| ST119R | 50 | N |
| ST120R | 50 | N |
| ST200R | 15 | N |
| ST201R | 50 | N |
| ST202R | 70 | N |
| ST203R | 15 | N |
| ST204R | <10 | N |
| ST205R | 10 | N |
| ST206R | 70 | N |
| ST207R | 70 | N |
| ST208R | 50 | N |
| ST209R | 70 | N |
| ST210R | 70 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | P-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST211R | 5.00 | 1.50 | 5.00 | .300 | 2,000.0 | N | N | N | 15 | 200 | <1.0 | N | N | 7 |
| ST211R1 | 7.00 | .10 | .07 | .150 | 30.0 | .7 | N | N | N | 1,000 | N | 70 | N | <5 |
| ST211RX | 5.00 | .10 | <.05 | .150 | 20.0 | N | N | N | N | 1,000 | <1.0 | 20 | N | 5 |
| ST212R | .50 | .07 | .07 | .200 | 50.0 | N | N | N | 10 | 100 | <1.0 | N | N | <5 |
| ST213R | 2.00 | .10 | <.05 | .150 | 20.0 | 1.5 | N | N | 10 | 500 | <1.0 | N | N | <5 |
| ST214R | 1.00 | .70 | .10 | .200 | 1,000.0 | 5.0 | N | N | 15 | 150 | <1.0 | N | N | <5 |
| ST214R1 | 5.00 | 5.00 | 5.00 | .500 | 1,500.0 | 7.0 | N | N | N | 200 | N | N | N | 30 |
| ST215R | 1.00 | .30 | .10 | .300 | 100.0 | 1.5 | N | N | 15 | 150 | <1.0 | N | N | N |
| ST215R1 | 10.00 | 2.00 | 3.00 | .700 | 1,500.0 | N | N | N | N | 200 | N | N | N | 30 |
| ST216R | .70 | .20 | .10 | .200 | 300.0 | N | N | N | <10 | 200 | <1.0 | N | N | N |
| ST217R | 7.00 | 2.00 | 5.00 | .700 | 1,500.0 | N | N | N | <10 | 150 | N | N | N | 30 |
| ST218R | 5.00 | 3.00 | 5.00 | .300 | 1,000.0 | N | N | N | <10 | 150 | N | N | N | 20 |
| ST219R | .70 | .30 | .07 | .150 | 300.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| ST220R | .70 | .30 | .07 | .150 | 300.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| ST222R | .30 | .30 | .10 | .150 | 150.0 | N | N | N | N | 200 | 1.0 | N | N | N |
| ST223R | 1.00 | .50 | .10 | .200 | 150.0 | N | N | N | 10 | 200 | <1.0 | N | N | <5 |
| ST224R | 1.50 | .30 | .10 | .200 | 70.0 | N | N | N | N | 200 | <1.0 | N | N | <5 |
| ST224R1 | 7.00 | 5.00 | 5.00 | .500 | 1,000.0 | N | N | N | 20 | 50 | N | N | N | 30 |
| ST225R | 2.00 | .50 | .20 | .300 | 300.0 | N | N | N | <10 | 500 | <1.0 | N | N | N |
| ST226R | 1.00 | .15 | .20 | .200 | 150.0 | N | N | N | N | 500 | <1.0 | N | N | N |
| ST226R1 | 7.00 | 2.00 | 3.00 | .700 | 1,000.0 | N | N | N | N | 200 | N | N | N | 20 |
| ST227R1 | 3.00 | .30 | .07 | .200 | 150.0 | N | N | N | 70 | 500 | 1.0 | N | N | <5 |
| ST228R | 1.00 | .30 | 3.00 | .150 | 700.0 | N | N | N | 50 | 150 | <1.0 | N | N | <5 |
| ST229R | .70 | .20 | .70 | .100 | 300.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| ST230R | 1.00 | .30 | 1.00 | .100 | 500.0 | N | N | N | 10 | 150 | <1.0 | N | N | <5 |
| ST231R | 7.00 | 1.00 | 5.00 | .500 | 1,000.0 | N | N | N | <10 | 100 | N | N | N | 20 |
| ST232R | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 300 | N | N | N | 30 |
| SJ001R | 7.00 | 3.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 200 | N | N | N | 20 |
| SJ002R | 3.00 | 1.50 | 3.00 | .500 | 700.0 | N | N | N | N | 300 | N | N | N | 20 |
| SJ003R | 7.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 100 | N | N | N | 15 |
| SJ003RA | 5.00 | 3.00 | 10.00 | .300 | 700.0 | N | N | N | 50 | 150 | N | N | N | 30 |
| SJ004R | 10.00 | 1.00 | 20.00 | .700 | 1,000.0 | N | N | N | N | <20 | N | N | N | 7 |
| SJ005R | 7.00 | 3.00 | 2.00 | .500 | 1,000.0 | N | N | N | N | 100 | N | N | N | 30 |
| SJ006R | 7.00 | 2.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 200 | N | N | N | 30 |
| SJ007R | 5.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 100 | N | N | N | 10 |
| SJ008R | 7.00 | 2.00 | 10.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 20 |
| SJ009R | 10.00 | 2.00 | 5.00 | 1.000 | 1,500.0 | N | N | N | N | 500 | <1.0 | N | N | 30 |
| SJ010R | 2.00 | .50 | 1.50 | .150 | 300.0 | N | N | N | N | 500 | <1.0 | N | N | 7 |
| SJ012R | 7.00 | 3.00 | 15.00 | .500 | 1,500.0 | N | N | N | N | 300 | N | N | N | 20 |
| SJ013R | 5.00 | 2.00 | 10.00 | .300 | 2,000.0 | N | N | N | N | 200 | <1.0 | 10 | N | 10 |
| SJ014R | 3.00 | 1.00 | 3.00 | .300 | 500.0 | .7 | N | N | N | 300 | N | N | N | 7 |
| SJ016R | 3.00 | .70 | 15.00 | .300 | 500.0 | N | N | N | N | 200 | N | N | N | 5 |
| SJ017R | 7.00 | 3.00 | 5.00 | .500 | 2,000.0 | N | N | N | N | 70 | N | N | N | 20 |
| SJ017RA | 1.50 | .30 | .30 | .300 | 200.0 | N | N | N | <10 | 300 | <1.0 | N | N | 7 |
| SJ017RX | 10.00 | 2.00 | 3.00 | .700 | 1,000.0 | N | N | N | N | 1,000 | N | N | N | 30 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST211R | N | 10 | N | N | N | <5 | <10 | N | 5 | N | 700 | 100 | N | 20 | N |
| ST211R1 | N | 70 | N | <5.0 | N | 5 | 15 | N | 7 | N | N | 20 | N | 20 | N |
| ST211RX | N | 15 | N | 10.0 | N | 5 | 30 | N | 7 | N | N | 20 | N | 20 | N |
| ST212R | N | 15 | <20 | N | N | <5 | <10 | N | 10 | N | <100 | 10 | N | 15 | N |
| ST213R | <10 | 30 | <20 | N | N | <5 | 30 | N | 7 | N | N | 10 | N | 15 | N |
| ST214R | <10 | 15 | <20 | N | N | <5 | 10 | N | 7 | N | 150 | 30 | N | 15 | 700 |
| ST214R1 | 100 | 100 | <20 | N | N | 70 | <10 | N | 30 | N | 500 | 200 | N | 15 | 200 |
| ST215R | N | 10 | N | <5.0 | N | <5 | 10 | N | 7 | N | 100 | 30 | N | 20 | N |
| ST215R1 | N | 200 | N | N | N | 10 | 15 | N | 30 | N | 500 | 300 | N | 20 | N |
| ST216R | N | <5 | <20 | N | N | 30 | N | N | 7 | N | N | 15 | N | 15 | N |
| ST217R | 10 | 200 | N | N | N | 15 | 10 | N | 30 | N | 500 | 500 | N | 30 | N |
| ST218R | 50 | 100 | N | N | N | 20 | <10 | N | 30 | N | 500 | 300 | N | 10 | N |
| ST219R | <10 | <5 | N | N | N | <5 | <10 | N | 7 | N | N | 10 | N | 15 | N |
| ST220R | N | N | <20 | N | N | <5 | N | N | 7 | N | N | <10 | N | 15 | N |
| ST222R | N | <5 | <20 | N | N | <5 | N | N | 7 | N | N | <10 | N | 20 | N |
| ST223R | <10 | 20 | <20 | N | N | <5 | N | N | 7 | N | N | 30 | N | 20 | N |
| ST224R | <10 | <5 | N | N | N | <5 | N | N | 7 | N | N | 30 | N | 20 | N |
| ST224R1 | 100 | 100 | N | N | N | 50 | 10 | N | 30 | N | 150 | 500 | N | 15 | N |
| ST225R | <10 | <5 | N | N | N | <5 | N | N | 7 | N | 150 | 30 | N | 20 | N |
| ST226R | N | <5 | <20 | N | N | <5 | 15 | N | 7 | N | 150 | 30 | N | 15 | N |
| ST226R1 | <10 | 150 | N | N | N | 7 | <10 | N | 30 | N | 500 | 300 | N | 20 | N |
| ST227R1 | <10 | 50 | N | 7.0 | N | 5 | 20 | N | 7 | N | N | 30 | N | 20 | 200 |
| ST228R | N | 5 | <20 | N | N | 5 | 15 | N | 7 | N | <100 | 30 | N | 15 | N |
| ST229R | <10 | <5 | 20 | N | N | <5 | N | N | 5 | N | <100 | 10 | N | 10 | N |
| ST230R | <10 | <5 | <20 | N | N | <5 | N | N | 5 | N | 200 | 20 | N | 15 | N |
| ST231R | 20 | 150 | N | N | N | 15 | <10 | N | 30 | N | 200 | 300 | N | 15 | N |
| ST232R | 50 | 200 | <20 | N | N | 50 | <10 | N | 50 | N | 500 | 500 | N | 15 | N |
| SJ001R | 30 | 100 | <20 | N | N | 20 | 15 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ002R | 20 | 150 | N | N | N | 20 | 10 | N | 20 | N | 500 | 300 | N | 20 | N |
| SJ003R | 20 | 70 | N | N | N | 10 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ003RA | 70 | 100 | N | N | N | 20 | 10 | N | 30 | N | 150 | 300 | N | 10 | N |
| SJ004R | 20 | 50 | <20 | N | N | 10 | 30 | N | 30 | N | 1,500 | 500 | N | 30 | N |
| SJ005R | 70 | 100 | N | N | N | 50 | 15 | N | 30 | N | 200 | 300 | N | 20 | N |
| SJ006R | 20 | 300 | 20 | N | N | 15 | 20 | N | 30 | N | 500 | 500 | N | 20 | N |
| SJ007R | <10 | 50 | N | N | N | <5 | 15 | N | 20 | N | 500 | 300 | N | 20 | N |
| SJ008R | 30 | 20 | N | N | N | 20 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ009R | N | 200 | <20 | N | N | 7 | 15 | N | 30 | N | 500 | 500 | N | 50 | N |
| SJ010R | <10 | 150 | <20 | N | N | 10 | 15 | N | <5 | N | 300 | 70 | N | 50 | N |
| SJ012R | 100 | 200 | N | 7.0 | N | 50 | 10 | N | 30 | N | 500 | 500 | N | 20 | <200 |
| SJ013R | 20 | 70 | N | N | N | 10 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ014R | 10 | 70 | <20 | 20.0 | N | 5 | 10 | N | 20 | N | 200 | 300 | N | 20 | N |
| SJ016R | <10 | 15 | N | N | N | 5 | <10 | N | 15 | N | 150 | 100 | N | 20 | N |
| SJ017R | <10 | 100 | N | N | N | 10 | 10 | N | 50 | N | 300 | 500 | N | 20 | N |
| SJ017RA | N | 20 | <20 | N | N | 5 | 10 | N | 5 | N | 150 | 30 | N | 20 | N |
| SJ017RX | 10 | 300 | N | N | N | 15 | 10 | N | 50 | N | 200 | 700 | N | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| ST211R | 70 | N |
| ST211R1 | 70 | N |
| ST211RX | 70 | N |
| ST212R | 70 | N |
| ST213R | 70 | N |
| ST214R | 70 | N |
| ST214R1 | 20 | N |
| ST215R | 100 | N |
| ST215R1 | 30 | N |
| ST216R | 50 | N |
| ST217R | 50 | N |
| ST218R | 15 | N |
| ST219R | 70 | N |
| ST220R | 70 | N |
| ST222R | 70 | N |
| ST223R | 70 | N |
| ST224R | 70 | N |
| ST224R1 | 20 | N |
| ST225R | 100 | N |
| ST226R | 70 | N |
| ST226R1 | 50 | N |
| ST227R1 | 100 | N |
| ST228R | 70 | N |
| ST229R | 30 | N |
| ST230R | 30 | N |
| ST231R | 15 | N |
| ST232R | 20 | N |
| SJ001R | 100 | N |
| SJ002R | 50 | N |
| SJ003R | 20 | N |
| SJ003RA | 15 | N |
| SJ004R | 70 | N |
| SJ005R | 50 | N |
| SJ006R | 70 | N |
| SJ007R | 15 | N |
| SJ008R | 30 | N |
| SJ009R | 100 | N |
| SJ010R | 150 | N |
| SJ012R | 30 | N |
| SJ013R | 15 | N |
| SJ014R | 50 | N |
| SJ016R | 50 | N |
| SJ017R | 10 | N |
| SJ017RA | 50 | N |
| SJ017RX | 50 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ020R | 2.00 | 1.00 | 2.00 | .300 | 700.0 | N | N | N | 10 | 150 | N | N | N | 5 |
| SJ024R | 2.00 | 1.50 | .20 | .300 | 500.0 | N | N | N | N | 30 | N | N | N | 7 |
| SJ026R | 1.50 | .15 | .30 | .300 | 700.0 | N | N | N | N | 200 | N | N | N | N |
| SJ027R | 5.00 | 5.00 | 7.00 | .500 | 2,000.0 | N | N | N | N | 70 | N | N | N | 30 |
| SJ028R | 2.00 | .70 | 1.00 | .200 | 500.0 | N | N | N | <10 | 150 | <1.0 | N | N | <5 |
| SJ028RA | 1.50 | .02 | <.05 | .005 | 10.0 | N | N | N | <10 | 30 | N | N | N | 5 |
| SJ029R | 2.00 | 1.00 | .50 | .300 | 700.0 | N | N | N | N | 30 | <1.0 | N | N | 5 |
| SJ030R | 5.00 | 3.00 | 3.00 | .500 | 2,000.0 | N | N | N | N | <20 | N | N | N | 20 |
| SJ031R | 5.00 | 2.00 | 2.00 | .500 | 1,500.0 | N | N | N | N | 30 | N | N | N | 5 |
| SJ032R | 2.00 | 1.50 | .15 | .300 | 500.0 | N | N | N | N | 150 | N | N | N | <5 |
| SJ033R | 7.00 | 5.00 | 5.00 | .300 | 1,000.0 | N | N | N | N | 20 | N | N | N | 30 |
| SJ034R | 3.00 | 1.00 | 2.00 | .200 | 700.0 | N | N | N | N | 20 | N | N | N | 5 |
| SJ034RA | .70 | 1.00 | 1.00 | .200 | 300.0 | N | N | N | 15 | 100 | N | N | N | N |
| SJ035 | 2.00 | 1.50 | .20 | .200 | 700.0 | N | N | N | N | 70 | <1.0 | N | N | 5 |
| SJ035RV | .10 | .05 | <.05 | .002 | 70.0 | N | N | N | N | <20 | N | N | N | N |
| SJ036R | 7.00 | 7.00 | 3.00 | .300 | 1,500.0 | N | N | N | N | <20 | N | N | N | 20 |
| SJ037R | 2.00 | 1.00 | 3.00 | .300 | 500.0 | N | N | N | 10 | 150 | N | N | N | <5 |
| SJ040R | .70 | .70 | .50 | .100 | 500.0 | N | N | N | N | 100 | N | N | N | N |
| SJ040RA | 1.00 | .70 | .15 | .150 | 500.0 | N | N | N | N | N | N | N | N | N |
| SJ040RB | .30 | .03 | .20 | .003 | .7 | N | N | N | <10 | <20 | N | N | N | N |
| SJ040RC | .70 | .15 | .30 | .200 | 150.0 | N | N | N | <10 | 300 | <1.0 | N | N | N |
| SJ041RA | 3.00 | .50 | .50 | .300 | 300.0 | N | N | N | N | 30 | <1.0 | N | N | N |
| SJ044R | 2.00 | .50 | .07 | .200 | 1,000.0 | N | N | N | 70 | 200 | <1.0 | N | N | N |
| SJ044RF | 1.50 | .15 | 1.00 | .100 | 1,000.0 | N | N | N | 15 | 20 | N | N | N | 7 |
| SJ044RV | 7.00 | .20 | .07 | .200 | 70.0 | <.5 | N | N | 30 | 700 | N | N | N | N |
| SJ047R | 7.00 | 7.00 | 7.00 | .500 | 1,000.0 | N | N | N | N | 100 | N | N | N | 20 |
| SJ047RV | 1.50 | .50 | 20.00 | <.002 | 2,000.0 | N | N | N | N | N | N | N | N | 5 |
| SJ048R | 1.00 | .50 | .30 | .300 | 200.0 | N | N | N | <10 | <20 | N | N | N | 5 |
| SJ048R1 | 5.00 | 5.00 | .30 | .500 | 1,000.0 | N | N | N | N | 20 | N | N | N | <5 |
| SJ049R | 2.00 | .30 | 2.00 | .200 | 700.0 | N | N | N | 20 | 100 | 1.0 | N | N | N |
| SJ049R1 | 3.00 | 1.00 | .30 | .200 | 700.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| SJ050R | 1.00 | 1.00 | .10 | .150 | 300.0 | 3.0 | N | N | <10 | 100 | <1.0 | N | N | <5 |
| SJ051R | 1.00 | .50 | .05 | .150 | 300.0 | <.5 | N | N | 10 | 200 | <1.0 | N | N | N |
| SJ051R1 | 7.00 | .15 | <.05 | .200 | 50.0 | <.5 | N | N | N | 300 | N | N | N | N |
| SJ052R | 2.00 | .07 | <.05 | .100 | 10.0 | 3.0 | N | N | 10 | 300 | N | N | N | N |
| SJ052R1 | 3.00 | .15 | <.05 | .150 | 20.0 | N | N | N | 15 | 300 | N | N | N | N |
| SJ053R | 7.00 | 3.00 | 3.00 | .700 | 2,000.0 | N | N | N | N | 50 | N | N | N | 20 |
| SJ054R | 7.00 | 3.00 | 5.00 | .700 | 2,000.0 | N | N | N | N | 150 | N | N | N | 20 |
| SJ055R | 3.00 | 1.00 | 3.00 | .300 | 1,000.0 | N | N | N | <10 | 150 | <1.0 | N | N | <5 |
| SJ056R | 7.00 | 3.00 | 7.00 | .500 | 1,000.0 | N | N | N | N | 20 | N | N | N | 30 |
| SJ057R | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 50 | N | N | N | 30 |
| SJ057R1 | .30 | .05 | .07 | .050 | 150.0 | N | N | N | <10 | N | N | N | N | N |
| SJ058R | 1.50 | .50 | .30 | .300 | 200.0 | N | N | N | N | 70 | N | N | N | <5 |
| SJ059R | 3.00 | 5.00 | 5.00 | .300 | 1,500.0 | N | N | N | N | <20 | N | N | N | 20 |
| SJ060R | 5.00 | .15 | .07 | .200 | 15.0 | .7 | 300 | N | 10 | 5,000 | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ020R | 10 | 15 | N | N | N | 5 | <10 | N | 7 | N | 150 | 50 | N | 20 | N |
| SJ024R | N | 10 | N | N | N | 7 | 10 | N | 10 | N | N | 50 | N | 20 | N |
| SJ026R | 10 | 5 | <20 | N | N | 10 | 10 | N | 7 | N | N | 50 | N | 20 | N |
| SJ027R | 500 | 10 | <20 | N | N | 200 | 15 | N | 30 | N | 500 | 300 | N | 20 | <200 |
| SJ028R | N | 5 | N | N | N | 5 | 10 | N | 10 | N | 100 | 100 | N | 20 | N |
| SJ028RA | N | 70 | N | N | N | 7 | <10 | N | N | N | N | 30 | N | N | N |
| SJ029R | 10 | 15 | <20 | N | N | 5 | <10 | N | 15 | N | 150 | 50 | N | 20 | N |
| SJ030R | 20 | 30 | N | N | N | 20 | 10 | N | 30 | N | 300 | 500 | N | 15 | N |
| SJ031R | 15 | 50 | N | N | N | 15 | 10 | N | 20 | N | 150 | 200 | N | 20 | N |
| SJ032R | <10 | <5 | <20 | N | N | 5 | 10 | N | 10 | N | N | 50 | N | 20 | N |
| SJ033R | 500 | 50 | N | N | N | 150 | <10 | N | 30 | N | 150 | 300 | N | 15 | N |
| SJ034R | 100 | 30 | <20 | N | N | 30 | <10 | N | 10 | N | 150 | 50 | N | 20 | N |
| SJ034RA | 20 | 10 | <20 | N | N | 7 | 10 | N | 5 | N | <100 | 150 | N | N | N |
| SJ035 | <10 | 20 | <20 | N | N | 5 | <10 | N | 10 | N | N | 50 | N | 20 | N |
| SJ035RV | 10 | <5 | <20 | N | N | 5 | <10 | N | N | N | N | 10 | N | N | N |
| SJ036R | 200 | 100 | N | N | N | 70 | 20 | N | 50 | N | 150 | 300 | N | 15 | N |
| SJ037R | <10 | <5 | N | N | N | 5 | <10 | N | 10 | N | N | 30 | N | 20 | N |
| SJ040R | N | 7 | <20 | N | N | <5 | <10 | N | 7 | N | <100 | 10 | N | 15 | N |
| SJ040RA | N | <5 | <20 | N | N | <5 | 10 | N | 7 | N | N | 20 | N | 20 | N |
| SJ040RB | N | 5 | <20 | N | N | 5 | <10 | N | N | N | N | 30 | N | N | N |
| SJ040RC | N | <5 | <20 | N | N | 5 | 15 | N | 7 | N | 150 | 20 | N | 15 | N |
| SJ041RA | <10 | <5 | <20 | N | N | 5 | 15 | N | 7 | N | N | 30 | N | 20 | N |
| SJ044R | 10 | 70 | N | N | N | <5 | 15 | N | 10 | N | N | <10 | N | 20 | <200 |
| SJ044RF | N | 10 | N | N | N | 5 | <10 | N | <5 | N | 150 | 50 | N | N | N |
| SJ044RV | 15 | 70 | N | N | N | <5 | 10 | N | 7 | N | N | 100 | N | 20 | 200 |
| SJ047R | 100 | 70 | <20 | N | N | 50 | 10 | N | 30 | N | 1,000 | 500 | N | 20 | N |
| SJ047RV | N | 5 | N | N | N | <5 | <10 | N | <5 | N | 300 | 70 | N | 15 | N |
| SJ048R | <10 | 15 | N | N | N | 10 | 15 | N | 10 | N | N | 70 | N | 20 | N |
| SJ048R1 | N | 150 | N | N | N | <5 | 300 | N | 20 | N | 150 | 70 | N | 30 | 1,000 |
| SJ049R | N | 10 | <20 | N | N | 5 | 10 | N | 10 | N | 150 | 30 | N | 50 | N |
| SJ049R1 | <10 | <5 | N | N | N | 5 | <10 | N | 10 | N | <100 | <10 | N | 30 | N |
| SJ050R | 70 | 20 | N | N | N | 10 | 20 | N | 10 | N | N | 50 | N | 15 | 200 |
| SJ051R | N | 200 | N | N | N | 7 | <10 | N | 7 | N | N | <10 | N | 20 | N |
| SJ051R1 | <10 | 300 | N | 20.0 | N | 5 | 15 | N | 7 | N | N | 30 | N | 20 | N |
| SJ052R | <10 | 15 | <20 | 15.0 | N | 5 | 15 | N | <5 | N | N | 15 | N | 15 | N |
| SJ052R1 | <10 | 10 | N | 15.0 | N | <5 | 10 | N | 5 | N | N | 30 | N | 20 | N |
| SJ053R | 20 | 70 | <20 | N | N | 10 | 15 | N | 30 | N | 500 | 500 | N | 20 | N |
| SJ054R | 70 | 150 | N | N | N | 30 | 10 | N | 30 | N | 300 | 500 | N | 20 | N |
| SJ055R | <10 | 15 | <20 | N | N | 5 | 10 | N | 15 | N | 300 | 70 | N | 20 | N |
| SJ056R | 50 | 70 | N | N | N | 30 | 10 | N | 30 | N | 150 | 500 | N | 20 | N |
| SJ057R | 100 | 100 | N | N | N | 30 | <10 | N | 50 | N | 200 | 500 | N | 15 | N |
| SJ057R1 | <10 | <5 | N | N | N | <5 | <10 | N | <5 | N | N | 50 | N | N | N |
| SJ058R | <10 | <5 | N | N | N | <5 | N | N | 7 | N | N | 30 | N | 20 | N |
| SJ059R | 300 | 70 | N | N | N | 70 | <10 | N | 30 | N | 150 | 150 | N | 15 | N |
| SJ060R | N | 500 | N | 7.0 | N | <5 | 200 | 100 | 7 | N | <100 | 300 | N | <10 | 1,000 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ020R | 70 | N |
| SJ024R | 70 | N |
| SJ026R | 100 | N |
| SJ027R | 50 | N |
| SJ028R | 50 | N |
| SJ028RA | N | N |
| SJ029R | 70 | N |
| SJ030R | 20 | N |
| SJ031R | 50 | N |
| SJ032R | 70 | N |
| SJ033R | 20 | N |
| SJ034R | 150 | N |
| SJ034RA | 20 | N |
| SJ035 | 100 | N |
| SJ035RV | N | N |
| SJ036R | 15 | N |
| SJ037R | 70 | N |
| SJ040R | 50 | N |
| SJ040RA | 50 | N |
| SJ040RB | 10 | N |
| SJ040RC | 50 | N |
| SJ041RA | 70 | N |
| SJ044R | 70 | N |
| SJ044RF | 10 | N |
| SJ044RV | 70 | N |
| SJ047R | 30 | N |
| SJ047RV | N | N |
| SJ048R | 30 | N |
| SJ048R1 | 70 | N |
| SJ049R | 100 | N |
| SJ049R1 | 100 | N |
| SJ050R | 30 | N |
| SJ051R | 30 | N |
| SJ051R1 | 50 | N |
| SJ052R | 30 | N |
| SJ052R1 | 70 | N |
| SJ053R | 30 | N |
| SJ054R | 50 | N |
| SJ055R | 70 | N |
| SJ056R | 15 | N |
| SJ057R | <10 | N |
| SJ057R1 | <10 | N |
| SJ058R | 50 | N |
| SJ059R | 10 | N |
| SJ060R | 50 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ061R | 2.00 | .10 | .10 | .200 | 30.0 | N | N | N | <10 | 100 | N | N | N | N |
| SJ062R | 1.00 | .50 | .10 | .200 | 100.0 | N | N | N | 10 | 300 | <1.0 | N | N | N |
| SJ063R | 1.50 | .30 | .20 | .200 | 200.0 | N | N | N | 10 | 300 | <1.0 | N | N | N |
| SJ064R | 1.50 | .50 | <.05 | .150 | 5,000.0 | N | N | N | 30 | 300 | <1.0 | N | N | 200 |
| SJ064R1 | >20.00 | <.02 | N | .500 | 200.0 | 5.0 | N | N | N | 100 | N | N | N | N |
| SJ065R | 15.00 | .03 | N | .150 | 20.0 | 200.0 | N | N | N | >5,000 | N | N | N | N |
| SJ065R1 | 3.00 | .30 | N | >1.000 | <10.0 | 7.0 | N | N | 50 | >5,000 | N | 20 | N | N |
| SJ066R | 15.00 | .05 | <.05 | .100 | 50.0 | N | 300 | N | N | 50 | <1.0 | <10 | N | N |
| SJ066R1 | 1.50 | .20 | <.05 | .150 | 15.0 | 150.0 | N | N | 15 | 3,000 | <1.0 | N | N | N |
| SJ068R | 2.00 | 1.00 | .30 | .200 | 700.0 | N | N | N | 20 | 500 | <1.0 | N | N | <5 |
| SJ069R | .70 | .20 | .15 | .200 | 100.0 | N | N | N | N | 30 | N | N | N | N |
| SJ070R | 5.00 | 3.00 | 10.00 | .300 | 1,500.0 | N | N | N | N | 150 | <1.0 | N | N | 30 |
| SJ071R | 5.00 | 5.00 | 5.00 | .300 | 1,500.0 | N | N | N | N | 150 | <1.0 | N | N | 30 |
| SJ073R | 5.00 | 5.00 | 7.00 | .300 | 1,500.0 | N | N | N | <10 | 20 | <1.0 | N | N | 30 |
| SJ074R | 2.00 | .70 | 1.50 | .300 | 1,000.0 | N | N | N | 15 | 100 | N | N | N | <5 |
| SJ075R | .70 | .30 | .07 | .100 | 150.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| SJ076R | 7.00 | 2.00 | 2.00 | .500 | 700.0 | N | N | N | <10 | 200 | N | N | N | 20 |
| SJ077R | 3.00 | 2.00 | 1.00 | .300 | 700.0 | N | N | N | N | 100 | N | N | N | 15 |
| SJ078R | 5.00 | 3.00 | 5.00 | .300 | 1,000.0 | N | N | N | N | 50 | N | N | N | 30 |
| SJ079R | 3.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | N | 50 | N | N | N | 15 |
| SJ080R | 5.00 | 2.00 | 10.00 | .300 | 1,000.0 | N | N | N | N | 100 | N | N | N | 15 |
| SJ081R | 5.00 | 3.00 | .30 | .500 | 1,000.0 | N | N | N | N | N | N | N | N | 20 |
| SJ082R | 5.00 | 5.00 | .70 | .300 | 2,000.0 | N | N | N | N | 30 | N | N | N | 30 |
| SJ086R | 1.50 | 1.00 | .20 | .200 | 700.0 | N | N | N | N | 50 | N | N | N | <5 |
| SJ087R | 2.00 | .20 | 3.00 | .200 | 1,000.0 | N | N | N | 30 | 50 | <1.0 | N | N | N |
| SJ088R | 3.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | N | 500 | N | N | N | 15 |
| SJ089R | 7.00 | 1.50 | 5.00 | .500 | 1,000.0 | N | N | N | N | 500 | N | N | N | 30 |
| SJ090R | 5.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | 15 | 1,000 | N | N | N | 10 |
| SJ091R | 7.00 | 3.00 | 15.00 | .010 | >5,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R1 | 7.00 | .50 | 15.00 | .200 | 3,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R10 | 3.00 | .30 | 20.00 | .007 | >5,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R11 | 10.00 | .50 | 3.00 | .150 | >5,000.0 | 3.0 | 500 | N | 30 | 70 | N | N | N | 7 |
| SJ091R12 | 7.00 | 1.50 | 1.00 | .700 | 1,500.0 | N | N | N | 20 | 3,000 | <1.0 | N | N | 7 |
| SJ091R13 | 5.00 | 1.50 | 10.00 | .070 | >5,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R15 | 7.00 | 2.00 | 15.00 | N | >5,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R16 | 10.00 | 1.50 | 15.00 | N | >5,000.0 | N | N | N | N | N | N | N | N | N |
| SJ091R17 | 7.00 | 1.50 | 15.00 | .500 | 1,500.0 | N | N | N | 15 | 500 | N | N | N | 15 |
| SJ091R18 | .50 | .05 | .30 | .070 | 300.0 | N | N | N | 20 | 30 | <1.0 | N | N | N |
| SJ091R2 | 7.00 | 3.00 | 15.00 | .150 | 3,000.0 | N | N | N | N | 70 | <1.0 | N | N | 30 |
| SJ091R3 | >20.00 | .20 | .70 | .002 | 300.0 | 30.0 | N | N | N | N | N | N | N | 500 |
| SJ091R4 | 7.00 | 1.50 | 15.00 | .500 | 1,500.0 | N | N | N | N | N | N | 10 | N | 7 |
| SJ091R5 | 5.00 | 1.00 | 15.00 | .200 | 1,000.0 | .5 | N | N | 15 | N | <1.0 | N | N | 70 |
| SJ091R6 | 2.00 | 1.00 | 20.00 | .030 | >5,000.0 | N | N | N | N | 300 | N | N | N | N |
| SJ091R7 | 2.00 | .50 | 20.00 | .300 | 5,000.0 | N | N | N | N | 300 | <1.0 | N | N | 5 |
| SJ091R9 | 7.00 | .30 | .70 | <.002 | >5,000.0 | N | 1,500 | N | 30 | N | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ061R | N | 15 | N | N | N | <5 | 30 | N | 7 | N | N | 100 | N | 15 | N |
| SJ062R | N | <5 | N | N | N | 5 | N | N | 7 | N | N | 30 | N | 20 | N |
| SJ063R | N | 5 | <20 | N | N | <5 | N | N | 7 | N | 150 | 30 | N | 20 | N |
| SJ064R | <10 | 300 | <20 | N | N | 5 | <10 | N | 5 | N | N | 30 | N | 20 | 500 |
| SJ064R1 | 10 | 500 | N | N | N | N | 70 | N | <5 | N | N | 300 | N | <10 | N |
| SJ065R | N | 300 | N | 200.0 | N | <5 | 200 | <100 | 5 | N | 500 | 30 | N | N | N |
| SJ065R1 | N | 50 | N | 300.0 | N | N | 1,000 | N | 20 | N | 150 | 150 | N | 20 | N |
| SJ066R | N | 1,500 | N | 300.0 | N | 5 | 20 | <100 | <5 | N | N | 30 | N | 15 | N |
| SJ066R1 | <10 | 150 | N | N | N | <5 | 70 | N | 5 | N | N | 30 | N | 10 | N |
| SJ068R | <10 | 15 | N | N | N | 5 | N | N | 7 | N | N | 50 | N | 30 | N |
| SJ069R | N | 5 | <20 | N | N | 5 | N | N | 5 | N | N | 30 | N | 15 | N |
| SJ070R | 30 | 70 | N | N | N | 20 | N | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ071R | 100 | 100 | N | N | N | 20 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ073R | 100 | 100 | N | N | N | 20 | N | N | 30 | N | 300 | 300 | N | 10 | N |
| SJ074R | N | <5 | N | N | N | <5 | N | N | 10 | N | 150 | 30 | N | 20 | N |
| SJ075R | N | 50 | N | N | N | <5 | <10 | N | 5 | N | N | 15 | N | 15 | N |
| SJ076R | 50 | 70 | N | N | N | 30 | 15 | N | 30 | N | 500 | 200 | N | 20 | N |
| SJ077R | 30 | 15 | <20 | N | N | 50 | 10 | N | 7 | N | 300 | 200 | N | 10 | N |
| SJ078R | 100 | 100 | N | N | N | 20 | 10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ079R | 50 | 50 | N | N | N | 50 | <10 | N | 15 | N | 500 | 200 | N | 15 | N |
| SJ080R | 20 | 70 | N | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ081R | N | 300 | N | N | N | 7 | N | N | 30 | N | N | 500 | N | 20 | 500 |
| SJ082R | 70 | 30 | N | N | N | 70 | 10 | N | 30 | N | N | 300 | N | 15 | N |
| SJ086R | N | 15 | N | N | N | 5 | <10 | N | 10 | N | N | 30 | N | 20 | N |
| SJ087R | 10 | <5 | N | N | N | <5 | 10 | N | 15 | N | 300 | 20 | N | 70 | N |
| SJ088R | 30 | 70 | <20 | N | N | 50 | 10 | N | 20 | N | 700 | 300 | N | 20 | N |
| SJ089R | <10 | 150 | N | N | N | 15 | 10 | N | 30 | N | 500 | 500 | N | 30 | N |
| SJ090R | 20 | 200 | 20 | N | N | 20 | 10 | N | 20 | N | 300 | 300 | N | 20 | N |
| SJ091R | N | <5 | 20 | N | N | N | N | N | N | N | <100 | 30 | N | <10 | N |
| SJ091R1 | N | 20 | N | N | N | <5 | N | N | 5 | N | N | 200 | N | 20 | N |
| SJ091R10 | 20 | 20 | 20 | N | N | <5 | 100 | N | N | N | 500 | 20 | N | 10 | 700 |
| SJ091R11 | 30 | 150 | 20 | N | N | 10 | 100 | N | 5 | N | 700 | 150 | N | 10 | 7,000 |
| SJ091R12 | <10 | 50 | N | N | N | <5 | 20 | N | 20 | N | 300 | 100 | N | 20 | N |
| SJ091R13 | 20 | <5 | <20 | N | N | <5 | N | N | <5 | N | <100 | 50 | N | 10 | N |
| SJ091R15 | 20 | <5 | <20 | N | N | N | N | N | N | N | 200 | 30 | N | 10 | N |
| SJ091R16 | 30 | N | <20 | N | N | N | N | N | N | N | 300 | 30 | N | <10 | N |
| SJ091R17 | 10 | 70 | N | N | N | 70 | <10 | N | 20 | N | 1,500 | 200 | N | 15 | N |
| SJ091R18 | <10 | <5 | N | N | N | 5 | 30 | N | N | N | N | <10 | N | N | N |
| SJ091R2 | N | 30 | N | N | N | 15 | N | N | 20 | N | 300 | 100 | N | 15 | N |
| SJ091R3 | N | 15,000 | N | N | N | 150 | 10 | N | <5 | N | N | 10 | N | N | 500 |
| SJ091R4 | 50 | 70 | N | N | N | 15 | 15 | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ091R5 | N | 15,000 | N | N | N | 30 | 10 | N | 5 | N | 500 | 150 | N | 10 | 500 |
| SJ091R6 | 15 | 70 | <20 | N | N | N | 10 | N | 5 | N | 500 | 30 | N | 10 | N |
| SJ091R7 | 20 | 20 | 20 | N | N | 7 | 70 | N | 7 | N | 150 | 70 | N | 20 | N |
| SJ091R9 | N | 50 | 20 | N | N | 5 | 70 | N | N | N | 700 | 300 | N | 15 | 7,000 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ061R | 50 | N |
| SJ062R | 50 | N |
| SJ063R | 70 | N |
| SJ064R | 30 | N |
| SJ064R1 | 15 | N |
| SJ065R | 30 | N |
| SJ065R1 | 200 | N |
| SJ066R | 30 | N |
| SJ066R1 | 50 | N |
| SJ068R | 70 | N |
| SJ069R | 50 | N |
| SJ070R | 15 | N |
| SJ071R | 20 | N |
| SJ073R | <10 | N |
| SJ074R | 50 | N |
| SJ075R | 30 | N |
| SJ076R | 70 | N |
| SJ077R | 50 | N |
| SJ078R | 10 | N |
| SJ079R | 50 | N |
| SJ080R | 20 | N |
| SJ081R | 30 | N |
| SJ082R | 15 | N |
| SJ086R | 50 | N |
| SJ087R | 150 | N |
| SJ088R | 150 | N |
| SJ089R | 30 | N |
| SJ090R | 150 | N |
| SJ091R | N | N |
| SJ091R1 | 500 | N |
| SJ091R10 | N | N |
| SJ091R11 | 15 | N |
| SJ091R12 | 200 | N |
| SJ091R13 | 10 | N |
| SJ091R15 | N | N |
| SJ091R16 | N | N |
| SJ091R17 | 20 | N |
| SJ091R18 | 15 | N |
| SJ091R2 | <10 | N |
| SJ091R3 | N | N |
| SJ091R4 | 50 | N |
| SJ091R5 | 20 | N |
| SJ091R6 | <10 | N |
| SJ091R7 | 20 | N |
| SJ091R9 | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ093R | 5.00 | 1.50 | 7.00 | .300 | 1,000.0 | N | N | N | N | 300 | N | N | N | 7 |
| SJ094R | 5.00 | 3.00 | 5.00 | .500 | 700.0 | N | N | N | N | 500 | N | N | N | 10 |
| SJ094R1 | 5.00 | 2.00 | 7.00 | .300 | 1,000.0 | N | N | N | N | 150 | N | N | N | 10 |
| SJ095R | 7.00 | 1.50 | 10.00 | .500 | 700.0 | N | N | N | N | 500 | N | N | N | 10 |
| SJ096R | 3.00 | 2.00 | 10.00 | .300 | 700.0 | N | N | N | N | 700 | N | N | N | 7 |
| SJ096R1 | 3.00 | .70 | 10.00 | .300 | 1,000.0 | N | N | N | N | 200 | N | N | N | 5 |
| SJ097R | 7.00 | 1.50 | 2.00 | .700 | 700.0 | N | N | N | 70 | 1,000 | N | N | N | 10 |
| SJ097R1 | .50 | .07 | .15 | .050 | 150.0 | N | N | N | 15 | 150 | <1.0 | N | N | N |
| SJ097R2 | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 100 | N | N | N | 15 |
| SJ098R | 5.00 | 2.00 | 5.00 | .500 | 2,000.0 | N | N | N | N | 150 | N | N | N | 10 |
| SJ099R | 7.00 | 3.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 70 | N | N | N | 30 |
| SJ100R | 7.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 30 | N | N | N | 15 |
| SJ101R | 7.00 | 5.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | <20 | N | N | N | 30 |
| SJ103R1 | 2.00 | .30 | .15 | .300 | 20.0 | N | N | N | <10 | 300 | N | N | N | N |
| SJ104R | 3.00 | .70 | .30 | .200 | 300.0 | N | N | N | N | 50 | N | N | N | <5 |
| SJ105R | 5.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 300 | N | N | N | 10 |
| SJ105R1 | 7.00 | 3.00 | 10.00 | .100 | 1,500.0 | .5 | N | N | 70 | 700 | N | N | N | 20 |
| SJ105R2 | 2.00 | 1.00 | 1.50 | .100 | 700.0 | N | N | N | 15 | 70 | N | N | N | N |
| SJ106R | .70 | .30 | 1.50 | .150 | 300.0 | N | N | N | 30 | 200 | <1.0 | N | N | N |
| SJ107R | 7.00 | 5.00 | 3.00 | .300 | 1,500.0 | N | N | N | N | N | N | N | N | 30 |
| SJ107R1 | 2.00 | .50 | 2.00 | .150 | 1,000.0 | N | N | N | 10 | 100 | N | N | N | 5 |
| SJ108R | 7.00 | 3.00 | 5.00 | .300 | 1,500.0 | N | N | N | N | <20 | N | N | N | 30 |
| SJ109R | 2.00 | .70 | .15 | .300 | 700.0 | N | N | N | N | 20 | N | N | N | <5 |
| SJ110R | 1.50 | .30 | .50 | .200 | 300.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| SJ110R1 | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 50 | N | N | N | 30 |
| SJ110R2 | 7.00 | 3.00 | 7.00 | .300 | 1,500.0 | N | N | N | N | 20 | N | N | N | 20 |
| SJ110R3 | 5.00 | .15 | .10 | .300 | 700.0 | N | N | N | 15 | <20 | <1.0 | N | N | 7 |
| SJ111R | 3.00 | 2.00 | .05 | .300 | 500.0 | N | N | N | 10 | 300 | <1.0 | N | N | 7 |
| SJ111R1 | .15 | .20 | <.05 | .300 | <10.0 | 1.0 | N | N | 20 | 300 | N | N | N | N |
| SJ111R10 | .20 | .30 | <.05 | .300 | 50.0 | .7 | N | N | 10 | 200 | N | N | N | <5 |
| SJ111R11 | .70 | .05 | .05 | .070 | <10.0 | 1.5 | N | N | <10 | 50 | N | N | N | N |
| SJ111R12 | 10.00 | 3.00 | 7.00 | .700 | 1,500.0 | N | N | N | N | 200 | N | N | N | 20 |
| SJ111R13 | >20.00 | .50 | .05 | .150 | 200.0 | 1.5 | N | N | N | 30 | N | N | N | 7 |
| SJ111R2 | .70 | .15 | <.05 | .200 | 10.0 | <.5 | N | N | 20 | 300 | N | N | N | N |
| SJ111R4 | >20.00 | .03 | <.05 | .300 | 30.0 | N | N | N | N | 5,000 | N | N | N | N |
| SJ111R5 | 20.00 | .03 | .05 | .030 | 70.0 | N | N | N | N | 200 | N | N | N | N |
| SJ111R6 | 15.00 | .03 | <.05 | .300 | 20.0 | N | N | N | N | 200 | N | 15 | N | N |
| SJ111R7 | 2.00 | .10 | .07 | .150 | 10.0 | N | N | N | 20 | 1,000 | N | N | N | N |
| SJ111R8 | 1.00 | .07 | .10 | .150 | <10.0 | N | N | N | N | 500 | N | N | N | N |
| SJ111R9 | 7.00 | .10 | .10 | .050 | 300.0 | N | N | N | N | 500 | <1.0 | N | N | N |
| SJ201R | .70 | .07 | .20 | .300 | 100.0 | N | N | N | N | <20 | N | N | N | N |
| SJ202R | 2.00 | .50 | 2.00 | .300 | 300.0 | N | N | N | 20 | 100 | <1.0 | N | N | N |
| SJ203R | 2.00 | .50 | 1.00 | .300 | 500.0 | N | N | N | N | 20 | N | N | N | N |
| SJ204R | 10.00 | .20 | .10 | .300 | 200.0 | N | N | N | N | 500 | N | N | N | N |
| SJ205R | 3.00 | 1.00 | 2.00 | .300 | 700.0 | N | N | N | 15 | 200 | <1.0 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ093R | 30 | 70 | 20 | N | N | 10 | 10 | N | 15 | N | 1,500 | 200 | N | 15 | N |
| SJ094R | 10 | 100 | 30 | N | N | 5 | 10 | N | 15 | N | 1,000 | 300 | N | 20 | N |
| SJ094R1 | 15 | 150 | 20 | N | N | 5 | <10 | N | 7 | N | 1,000 | 150 | N | 15 | N |
| SJ095R | 30 | 100 | <20 | N | N | 15 | 15 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| SJ096R | 30 | 70 | <20 | N | N | 15 | 10 | N | 10 | N | 1,000 | 150 | N | 15 | N |
| SJ096R1 | 30 | 30 | <20 | N | N | 10 | 10 | N | 10 | N | 1,500 | 150 | N | 15 | N |
| SJ097R | 20 | 700 | N | N | N | 20 | 20 | N | 20 | N | 300 | 300 | N | 30 | <200 |
| SJ097R1 | <10 | <5 | N | N | N | <5 | 30 | N | N | N | N | <10 | N | <10 | N |
| SJ097R2 | 10 | 500 | N | N | N | 10 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ098R | 10 | 30 | N | N | N | 5 | 10 | N | 20 | N | 300 | 200 | N | 20 | N |
| SJ099R | 70 | 30 | N | N | N | 50 | 10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ100R | <10 | 5 | N | N | N | <5 | <10 | N | 30 | N | 300 | 200 | N | 0 | N |
| SJ101R | 200 | 50 | N | N | N | 50 | <10 | N | 50 | N | 200 | 300 | N | 10 | N |
| SJ103R1 | N | <5 | N | N | N | <5 | <10 | N | 10 | N | N | 20 | N | 20 | N |
| SJ104R | N | 7 | N | N | N | 5 | <10 | N | 10 | N | <100 | 30 | N | 30 | N |
| SJ105R | <10 | 15 | N | N | N | 7 | <10 | N | 20 | N | 300 | 300 | N | 20 | N |
| SJ105R1 | <10 | 20 | <20 | N | N | 7 | 30 | N | 5 | N | 200 | 70 | N | 10 | 300 |
| SJ105R2 | 15 | 7 | N | N | N | 7 | N | N | 5 | N | 150 | 100 | N | <10 | N |
| SJ106R | <10 | <5 | <20 | N | N | 5 | N | N | 5 | N | N | 10 | N | 20 | N |
| SJ107R | 50 | 100 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ107R1 | <10 | 20 | N | N | N | <5 | <10 | N | <5 | N | 150 | 100 | N | N | N |
| SJ108R | 50 | 70 | N | N | N | 30 | N | N | 30 | N | 100 | 500 | N | 10 | N |
| SJ109R | N | N | N | N | N | <5 | N | N | 7 | N | N | 70 | N | 20 | N |
| SJ110R | <10 | 7 | <20 | N | N | <5 | N | N | 7 | N | N | 30 | N | 20 | N |
| SJ110R1 | 300 | 150 | N | N | N | 100 | <10 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ110R2 | 15 | 30 | <20 | N | N | 15 | <10 | N | 20 | N | 500 | 300 | N | 15 | N |
| SJ110R3 | <10 | 20 | N | N | N | 5 | 20 | N | 15 | N | N | 200 | N | 15 | N |
| SJ111R | <10 | 1,000 | N | N | N | 10 | <10 | N | 7 | N | N | 50 | N | 20 | 200 |
| SJ111R1 | N | 150 | <20 | N | N | 20 | N | N | 10 | N | <100 | 70 | N | <10 | <200 |
| SJ111R10 | <10 | 1,500 | <20 | N | N | 5 | <10 | N | 7 | N | N | 50 | N | 15 | N |
| SJ111R11 | N | 1,000 | N | 10.0 | N | 5 | 10 | N | <5 | N | N | 50 | N | N | N |
| SJ111R12 | 100 | 5,000 | N | N | N | 70 | 10 | N | 30 | N | 300 | 500 | N | 30 | N |
| SJ111R13 | 20 | 1,500 | N | 30.0 | N | 5 | 15 | N | 10 | N | N | 300 | N | 20 | 700 |
| SJ111R2 | <10 | 1,500 | <20 | N | N | <5 | N | N | 20 | N | 300 | 200 | N | <10 | N |
| SJ111R4 | 15 | 1,500 | <20 | N | N | <5 | 30 | N | 5 | N | 200 | 500 | N | <10 | N |
| SJ111R5 | <10 | 1,000 | N | N | N | N | 30 | N | 5 | N | N | 200 | N | <10 | N |
| SJ111R6 | <10 | 300 | N | 50.0 | N | <5 | 50 | N | <5 | N | N | 50 | N | 10 | N |
| SJ111R7 | N | 70 | N | 15.0 | N | 5 | 20 | N | <5 | N | N | 30 | N | 20 | N |
| SJ111R8 | N | 3,000 | <20 | N | N | <5 | N | N | 50 | N | 500 | 500 | N | 15 | N |
| SJ111R9 | 15 | 3,000 | 20 | 7.0 | N | <5 | N | N | 20 | N | 1,000 | 500 | N | 20 | N |
| SJ201R | N | 20 | N | N | N | <5 | N | N | 7 | N | N | 30 | N | 15 | N |
| SJ202R | N | 7 | N | N | N | <5 | <10 | N | 7 | N | 200 | 30 | N | 20 | N |
| SJ203R | N | 10 | <20 | N | N | 5 | N | N | 7 | N | 300 | 30 | N | 20 | N |
| SJ204R | N | 30 | N | N | N | 5 | 150 | N | 7 | N | N | 70 | N | <10 | N |
| SJ205R | N | 5 | <20 | N | N | <5 | <10 | N | 20 | N | 150 | <10 | N | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ093R | 50 | N |
| SJ094R | 50 | N |
| SJ094R1 | 30 | N |
| SJ095R | 50 | N |
| SJ096R | 30 | N |
| SJ096R1 | 50 | N |
| SJ097R | 50 | N |
| SJ097R1 | 15 | N |
| SJ097R2 | 20 | N |
| SJ098R | 100 | N |
| SJ099R | 15 | N |
| SJ100R | 15 | N |
| SJ101R | 10 | N |
| SJ103R1 | 70 | N |
| SJ104R | 70 | N |
| SJ105R | 30 | N |
| SJ105R1 | 50 | N |
| SJ105R2 | 15 | N |
| SJ106R | 50 | N |
| SJ107R | 15 | N |
| SJ107R1 | 20 | N |
| SJ108R | 10 | N |
| SJ109R | 100 | N |
| SJ110R | 70 | N |
| SJ110R1 | 30 | N |
| SJ110R2 | 20 | N |
| SJ110R3 | 30 | N |
| SJ111R | 50 | N |
| SJ111R1 | 50 | N |
| SJ111R10 | 30 | N |
| SJ111R11 | 10 | N |
| SJ111R12 | 30 | N |
| SJ111R13 | <10 | N |
| SJ111R2 | 30 | N |
| SJ111R4 | 15 | N |
| SJ111R5 | 20 | N |
| SJ111R6 | 50 | N |
| SJ111R7 | 100 | N |
| SJ111R8 | 20 | N |
| SJ111R9 | N | N |
| SJ201R | 30 | N |
| SJ202R | 50 | N |
| SJ203R | 70 | N |
| SJ204R | 70 | N |
| SJ205R | 150 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ206R | 1.00 | .05 | .10 | .150 | 150.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| SJ207R | 3.00 | 1.50 | .70 | .300 | 700.0 | N | N | N | 15 | 200 | N | N | N | 5 |
| ST001R | 2.00 | .30 | .07 | .200 | 500.0 | .5 | N | N | 10 | 30 | N | N | N | <5 |
| ST002R | 7.00 | 2.00 | 10.00 | .300 | 1,000.0 | N | N | N | 70 | <20 | N | N | N | 20 |
| ST003R | 1.00 | .07 | .07 | .005 | 150.0 | 30.0 | N | N | N | 20 | N | N | N | N |
| ST004R | .05 | .03 | .07 | <.002 | <10.0 | 5.0 | N | N | N | <20 | N | N | N | N |
| ST005R | 1.50 | .02 | <.05 | .005 | <10.0 | 100.0 | N | N | N | N | N | <10 | N | N |
| ST006R | .70 | <.02 | <.05 | <.002 | <10.0 | 200.0 | N | <10 | N | N | N | N | N | N |
| ST007R | .30 | <.02 | <.05 | <.002 | <10.0 | 15.0 | N | N | N | N | N | N | N | N |
| ST008R | 7.00 | .05 | .05 | .020 | 100.0 | 150.0 | N | 15 | <10 | 20 | N | 15 | N | <5 |
| ST009R | 1.00 | .03 | <.05 | .020 | <10.0 | 100.0 | N | N | N | <20 | N | N | N | N |
| ST010R | 1.50 | .05 | .05 | .002 | 50.0 | 70.0 | N | N | N | <20 | N | N | N | <5 |
| SJ601R | 5.00 | 3.00 | 5.00 | .300 | 1,500.0 | N | N | N | N | 200 | N | N | N | 20 |
| SJ601R1 | 7.00 | 5.00 | 7.00 | .500 | 2,000.0 | N | N | N | 10 | 150 | N | N | N | 5 |
| SJ602R | 7.00 | 3.00 | 1.50 | .500 | 1,000.0 | N | N | N | 15 | 150 | <1.0 | N | N | 30 |
| SJ603R | 5.00 | 3.00 | 5.00 | .300 | 700.0 | N | N | N | 10 | 150 | N | N | N | 50 |
| SJ603R1 | 5.00 | 2.00 | 5.00 | .500 | 1,000.0 | N | N | N | 20 | 70 | N | N | N | 30 |
| SJ604R | 5.00 | 5.00 | 5.00 | .300 | 1,000.0 | N | N | N | 20 | 100 | N | N | N | 50 |
| SJ604R1 | 3.00 | .50 | 20.00 | .200 | 700.0 | N | N | N | 15 | N | N | N | N | 10 |
| SJ605R | 1.50 | .70 | .10 | .300 | 150.0 | N | N | N | <10 | N | .0 | N | N | <5 |
| SJ605R2 | 2.00 | 1.00 | .15 | .200 | 500.0 | N | N | N | N | 150 | <1.0 | N | N | <5 |
| SJ605R3 | 7.00 | 1.00 | .05 | .500 | 1,000.0 | N | N | N | 30 | <20 | <1.0 | N | N | 7 |
| SJ606R | 7.00 | 5.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 150 | N | N | N | 50 |
| SJ607R | 7.00 | 2.00 | 7.00 | .500 | 1,000.0 | N | N | N | N | 50 | N | N | N | 10 |
| SJ607R1 | 3.00 | .30 | 10.00 | .300 | 1,000.0 | N | N | N | <10 | <20 | N | N | N | 7 |
| SJ607R2 | 3.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | 30 | 150 | N | N | N | 15 |
| SJ608R | 7.00 | 2.00 | 3.00 | 1.000 | 1,500.0 | N | N | N | N | 200 | N | N | N | 30 |
| SJ609R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 150 | N | N | N | 30 |
| SJ610R | 10.00 | 3.00 | 3.00 | 1.000 | 1,500.0 | N | N | N | N | 1,000 | .0 | N | N | 50 |
| SJ610R1 | 7.00 | 2.00 | 5.00 | .700 | 1,500.0 | N | N | N | 10 | 500 | <1.0 | N | N | 50 |
| SJ610R2 | 10.00 | 1.50 | 3.00 | .500 | 3,000.0 | N | N | N | 10 | 500 | <1.0 | N | N | 20 |
| SJ611R | 5.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 500 | N | N | N | 30 |
| SJ612R | 7.00 | 5.00 | 10.00 | .700 | 1,500.0 | N | N | N | N | 500 | N | N | N | 70 |
| SJ613R | 2.00 | 3.00 | 20.00 | .150 | 300.0 | 1.0 | N | N | 20 | 70 | <1.0 | N | N | 5 |
| SJ614R | 5.00 | 2.00 | 7.00 | .500 | 1,000.0 | N | N | N | <10 | 300 | N | N | N | 30 |
| SJ614R1 | 10.00 | 5.00 | 15.00 | .300 | 2,000.0 | N | N | N | 10 | 150 | .0 | N | N | 30 |
| SJ615R | 5.00 | .70 | 7.00 | .200 | 1,000.0 | N | N | N | 15 | N | <1.0 | N | N | 50 |
| SJ615R1 | 1.50 | .50 | .70 | .100 | 300.0 | N | N | N | 20 | 50 | N | N | N | 5 |
| SJ615R3 | .70 | .07 | .05 | .020 | 1,000.0 | N | N | N | 15 | 300 | N | N | N | N |
| SJ616R | 7.00 | 5.00 | 10.00 | .500 | 1,500.0 | N | N | N | 20 | 150 | N | N | N | 50 |
| SJ616R1 | 5.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | 50 | 70 | .0 | N | N | 50 |
| SJ616R2 | 1.50 | 1.00 | 20.00 | .070 | 150.0 | N | N | N | N | <20 | N | N | N | N |
| SJ617R | 7.00 | 3.00 | 3.00 | .300 | 500.0 | N | N | N | 10 | <20 | N | N | N | 50 |
| SJ618R | 5.00 | 3.00 | 3.00 | .300 | 700.0 | N | N | N | 15 | 70 | N | N | N | 30 |
| SJ618R1 | 1.00 | .30 | .15 | .030 | 300.0 | N | N | N | 10 | N | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ206R | N | 5 | N | N | N | <5 | N | N | 7 | N | N | <10 | N | 20 | N |
| SJ207R | 20 | 5 | N | N | N | 5 | <10 | N | 10 | N | 150 | 70 | N | 20 | N |
| ST001R | <10 | 50 | N | N | N | 5 | N | N | 5 | N | N | 100 | N | N | N |
| ST002R | 100 | 150 | N | N | N | 30 | 15 | N | 50 | N | 1,000 | 500 | N | <10 | N |
| ST003R | N | 30 | N | 50.0 | N | 20 | N | N | <5 | N | N | 100 | N | N | N |
| ST004R | <10 | <5 | N | N | N | 7 | N | N | N | N | N | 10 | N | N | N |
| ST005R | N | 20 | N | 10.0 | N | 5 | 20 | N | N | N | N | 30 | N | N | N |
| ST006R | N | 10 | N | 7.0 | N | 5 | 15 | N | N | N | N | 10 | N | N | N |
| ST007R | N | 30 | N | N | N | 7 | 10 | N | N | N | N | 10 | N | N | N |
| ST008R | 15 | 70 | N | 30.0 | N | 15 | 20 | N | <5 | N | N | 70 | N | N | N |
| ST009R | <10 | 30 | N | 5.0 | N | 5 | 15 | N | N | N | N | 30 | N | N | N |
| ST010R | <10 | 100 | N | <5.0 | N | 5 | 15 | N | N | N | N | 100 | N | N | N |
| SJ601R | 100 | 100 | <20 | N | N | 15 | N | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ601R1 | 150 | 150 | N | N | N | 30 | <10 | N | 50 | N | 500 | 500 | N | 20 | N |
| SJ602R | 100 | 100 | <20 | N | N | 50 | 15 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ603R | 20 | 70 | N | N | N | 15 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ603R1 | 10 | 150 | <20 | N | N | 10 | 300 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ604R | 70 | 150 | N | N | N | 30 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ604R1 | 70 | 50 | N | N | N | 20 | N | N | 10 | N | 200 | 200 | N | N | N |
| SJ605R | <10 | 30 | N | N | N | <5 | <10 | N | 7 | N | N | 50 | N | 20 | N |
| SJ605R2 | 10 | 7 | <20 | N | N | 5 | <10 | N | 10 | N | N | 30 | N | 20 | N |
| SJ605R3 | 10 | 5 | N | N | N | <5 | <10 | N | 20 | N | N | 70 | N | 20 | 700 |
| SJ606R | 15 | 70 | N | N | N | 15 | N | N | 50 | N | 150 | 500 | N | 15 | N |
| SJ607R | 50 | 50 | <20 | N | N | 20 | N | N | <5 | N | 100 | 200 | N | <10 | N |
| SJ607R1 | 20 | 20 | N | N | N | 5 | 10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| SJ607R2 | 150 | 50 | N | N | N | 70 | <10 | N | 30 | N | 150 | 200 | N | 15 | N |
| SJ608R | 15 | 50 | <20 | N | N | <5 | <10 | N | 20 | N | 300 | 300 | N | 30 | N |
| SJ609R | 50 | 100 | N | N | N | 50 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ610R | 70 | 100 | 20 | N | N | 30 | 20 | N | 30 | N | 500 | 300 | N | 50 | N |
| SJ610R1 | 30 | 100 | N | N | N | 20 | 15 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ610R2 | 50 | 50 | N | N | N | 20 | 15 | N | 20 | N | 300 | 300 | N | 50 | N |
| SJ611R | 50 | 70 | N | N | N | 15 | 30 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ612R | 150 | 100 | N | N | N | 70 | 10 | N | 30 | N | 700 | 500 | N | 20 | N |
| SJ613R | 150 | 100 | 20 | N | N | 70 | 20 | N | 5 | N | 300 | 150 | N | 20 | N |
| SJ614R | 50 | 100 | N | N | N | 30 | N | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ614R1 | 700 | 50 | <20 | N | N | 150 | <10 | N | 20 | N | 200 | 300 | N | 15 | N |
| SJ615R | 30 | 70 | N | N | N | 15 | 10 | N | 50 | N | 500 | 300 | N | 10 | N |
| SJ615R1 | 15 | 20 | <20 | N | N | 7 | N | N | 5 | N | <100 | 70 | N | N | N |
| SJ615R3 | 15 | 10 | <20 | N | N | 7 | N | N | <5 | N | N | 30 | N | N | N |
| SJ616R | 100 | 100 | N | N | N | 30 | 20 | N | 30 | N | 700 | 500 | N | 15 | N |
| SJ616R1 | 100 | 150 | N | N | N | 30 | <10 | N | 30 | N | 150 | 300 | N | 10 | N |
| SJ616R2 | 15 | 30 | <20 | N | N | N | 20 | N | <5 | N | 150 | 50 | N | N | N |
| SJ617R | 70 | 70 | N | N | N | 30 | <10 | N | 30 | N | 150 | 200 | N | 15 | N |
| SJ618R | 50 | 70 | N | N | N | 20 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ618R1 | <10 | 70 | <20 | N | N | <5 | <10 | N | <5 | N | N | 100 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ206R | 100 | N |
| SJ207R | 70 | N |
| ST001R | <10 | N |
| ST002R | N | N |
| ST003R | N | N |
| ST004R | N | N |
| ST005R | N | N |
| ST006R | N | N |
| ST007R | N | N |
| ST008R | N | N |
| ST009R | N | N |
| ST010R | N | N |
| SJ601R | 15 | N |
| SJ601R1 | 30 | N |
| SJ602R | 100 | N |
| SJ603R | 30 | N |
| SJ603R1 | 50 | N |
| SJ604R | 20 | N |
| SJ604R1 | 10 | N |
| SJ605R | 70 | N |
| SJ605R2 | 50 | N |
| SJ605R3 | 50 | N |
| SJ606R | 15 | N |
| SJ607R | 30 | N |
| SJ607R1 | <10 | N |
| SJ607R2 | 20 | N |
| SJ608R | 150 | N |
| SJ609R | 150 | N |
| SJ610R | 200 | N |
| SJ610R1 | 150 | N |
| SJ610R2 | 150 | N |
| SJ611R | 50 | N |
| SJ612R | 30 | N |
| SJ613R | 20 | N |
| SJ614R | 100 | N |
| SJ614R1 | 20 | N |
| SJ615R | 30 | N |
| SJ615R1 | 10 | N |
| SJ615R3 | 10 | N |
| SJ616R | 20 | N |
| SJ616R1 | 20 | N |
| SJ616R2 | N | N |
| SJ617R | 10 | N |
| SJ618R | 30 | N |
| SJ618R1 | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ619R | 10.00 | 5.00 | 7.00 | .700 | 1,500.0 | N | N | N | 10 | 150 | N | N | N | 70 |
| SJ620R | 5.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | 150 | .0 | N | N | 50 |
| SJ621R | 5.00 | 3.00 | 5.00 | .500 | 1,000.0 | N | N | N | N | 150 | <1.0 | N | N | 30 |
| SJ621RD | 3.00 | 3.00 | 3.00 | .300 | 1,500.0 | N | N | N | N | 70 | .0 | N | N | 20 |
| SJ622R | 3.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | 10 | 100 | <1.0 | N | N | 15 |
| SJ623R | 10.00 | 3.00 | 3.00 | .700 | 1,500.0 | N | N | N | 10 | <20 | .0 | N | N | 30 |
| SJ624R | 7.00 | 3.00 | 3.00 | .500 | 1,500.0 | N | N | N | N | 200 | .0 | N | N | 50 |
| SJ625R | 5.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | <10 | 200 | <1.0 | N | N | 20 |
| SJ626R | 3.00 | 1.50 | 2.00 | .300 | 1,000.0 | N | N | N | 15 | 500 | <1.0 | N | N | 15 |
| SJ626R1 | 5.00 | 1.50 | 3.00 | .500 | 700.0 | N | N | N | 20 | 150 | <1.0 | N | N | 30 |
| SJ627R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | 30 | 300 | N | N | N | 30 |
| SJ627R1 | 3.00 | .70 | 15.00 | .150 | 1,000.0 | N | N | N | 30 | 100 | N | N | N | 20 |
| SJ628R | 5.00 | 2.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 30 |
| SJ628R1 | 7.00 | .50 | 15.00 | .300 | 1,000.0 | N | N | N | 10 | 30 | N | N | N | 7 |
| SJ629R | 7.00 | 3.00 | 5.00 | .700 | 1,500.0 | N | N | N | <10 | 200 | N | N | N | 50 |
| SJ629R1 | 2.00 | .15 | 3.00 | .050 | 200.0 | N | N | N | 30 | N | N | N | N | N |
| SJ630R | 5.00 | 5.00 | 5.00 | .200 | 1,000.0 | N | N | N | 10 | 50 | N | N | N | 30 |
| SJ630R1 | 7.00 | 3.00 | 20.00 | .015 | 1,500.0 | N | N | N | N | N | N | N | N | 70 |
| SJ630R2 | 5.00 | 3.00 | 7.00 | .300 | 1,000.0 | N | N | N | 50 | 20 | N | N | N | 30 |
| SJ630R3 | .15 | .03 | .50 | <.002 | 70.0 | N | N | N | 20 | <20 | N | N | N | N |
| SJ630R4 | 1.00 | .15 | .15 | .030 | 150.0 | N | N | N | N | N | N | N | N | N |
| SJ631R | 20.00 | .07 | <.05 | .150 | 500.0 | 50.0 | 1,000 | N | N | 5,000 | N | 70 | N | 10 |
| SJ631R1 | 20.00 | .20 | <.05 | .700 | 2,000.0 | 30.0 | 300 | N | 20 | 1,500 | .0 | 30 | N | 70 |
| SJ631R2 | 3.00 | .07 | <.05 | .070 | <10.0 | 20.0 | N | N | 10 | 1,500 | N | N | N | N |
| SJ631R3 | 20.00 | .07 | <.05 | .070 | 20.0 | 7.0 | 2,000 | N | N | 5,000 | N | 100 | N | N |
| SJ631R4 | 5.00 | .10 | <.05 | .100 | <10.0 | N | N | N | 10 | 500 | N | N | N | N |
| SJ631R5 | 5.00 | 5.00 | 3.00 | .300 | 700.0 | N | N | N | N | 700 | N | N | N | 30 |
| SJ631R6 | 5.00 | .20 | .07 | .070 | 50.0 | 7.0 | N | N | 15 | 500 | N | N | N | N |
| SJ632R | 2.00 | 2.00 | <.05 | .150 | 2,000.0 | N | N | N | 10 | 300 | N | N | N | 70 |
| SJ632R1 | 10.00 | .15 | <.05 | .100 | 50.0 | N | N | N | N | 300 | <1.0 | N | N | <5 |
| SJ633R | 3.00 | 3.00 | 3.00 | .300 | 700.0 | N | N | N | <10 | <20 | N | N | N | 30 |
| SJ634R | 3.00 | 2.00 | 1.50 | .300 | 1,000.0 | N | N | N | 10 | 200 | .0 | N | N | N |
| SJ635R | 1.50 | .20 | .07 | .200 | 70.0 | N | N | N | 20 | 150 | .0 | N | N | <5 |
| SJ635R1 | 5.00 | 1.50 | .15 | .500 | 1,000.0 | N | N | N | 15 | 300 | <1.0 | N | N | 15 |
| SJ636R | 5.00 | 3.00 | 3.00 | .500 | 1,000.0 | N | N | N | 100 | N | <1.0 | N | N | 70 |
| SJ637R | 5.00 | 5.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 30 | N | N | N | 70 |
| SJ637R1 | 7.00 | 1.00 | 15.00 | .700 | 1,000.0 | N | N | N | 70 | N | N | N | N | 15 |
| SJ637R2 | 1.50 | .50 | .50 | .150 | 200.0 | N | N | N | N | N | <1.0 | N | N | 5 |
| SJ638R | 7.00 | 3.00 | 7.00 | .300 | 1,500.0 | N | N | N | N | 100 | .0 | N | N | 70 |
| SJ638R1 | 5.00 | 1.00 | 3.00 | .300 | 1,500.0 | N | N | N | 50 | 70 | N | N | N | 20 |
| SJ639R1 | 5.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | N | 20 | N | N | N | 70 |
| SJ640R | 5.00 | 3.00 | 5.00 | .300 | 1,000.0 | N | N | N | <10 | 150 | N | N | N | 50 |
| SJ641R | 2.00 | .50 | <.05 | .200 | 200.0 | N | N | N | N | 200 | <1.0 | N | N | N |
| SJ641R1 | >20.00 | .10 | .10 | .100 | 70.0 | N | N | N | N | 30 | <1.0 | N | N | N |
| SJ641R2 | 10.00 | .20 | <.05 | .150 | 150.0 | N | N | N | 15 | 200 | <1.0 | N | N | 7 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ619R | 200 | 200 | N | N | N | 100 | 15 | N | 50 | N | 500 | 500 | N | 20 | N |
| SJ620R | 30 | 100 | <20 | N | N | 30 | <10 | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ621R | 100 | 100 | N | N | N | 50 | 10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| SJ621RD | 70 | 150 | <20 | N | N | 30 | <10 | N | 20 | N | 700 | 300 | N | 20 | N |
| SJ622R | 50 | 50 | <20 | N | N | 30 | 20 | N | 15 | N | 700 | 150 | N | <10 | N |
| SJ623R | <10 | 70 | N | N | N | 15 | 10 | N | 30 | N | 500 | 500 | N | 20 | N |
| SJ624R | 100 | 100 | N | N | N | 30 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ625R | 50 | 70 | N | N | N | 50 | <10 | N | 20 | N | 500 | 200 | N | 15 | N |
| SJ626R | 20 | 100 | <20 | N | N | 20 | 10 | N | 20 | N | 500 | 150 | N | 20 | N |
| SJ626R1 | 50 | 70 | N | N | N | 30 | 10 | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ627R | 30 | 150 | N | N | N | 15 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ627R1 | 100 | 70 | N | N | N | 20 | 20 | N | 20 | N | N | 300 | N | 10 | N |
| SJ628R | 20 | 150 | N | N | N | 15 | 30 | N | 50 | N | 300 | 300 | N | 15 | N |
| SJ628R1 | 15 | 30 | N | N | N | 5 | 10 | N | 30 | N | 1,000 | 700 | N | <10 | N |
| SJ629R | 100 | 200 | N | N | N | 70 | 10 | N | 30 | N | 300 | 500 | N | 20 | N |
| SJ629R1 | 15 | 30 | N | N | N | 7 | <10 | N | N | N | 200 | 150 | N | N | N |
| SJ630R | 200 | 100 | <20 | N | N | 50 | <10 | N | 30 | N | 300 | 300 | N | 10 | N |
| SJ630R1 | <10 | 7 | N | N | N | 30 | 30 | N | <5 | N | 150 | 150 | N | N | <200 |
| SJ630R2 | 150 | 50 | <20 | N | N | 20 | 20 | N | 30 | N | 100 | 1,500 | N | N | N |
| SJ630R3 | 10 | <5 | N | N | N | 5 | N | N | N | N | N | 10 | N | N | N |
| SJ630R4 | 10 | 70 | N | N | N | 7 | <10 | N | N | N | N | 70 | N | N | N |
| SJ631R | 10 | 2,000 | N | 300.0 | N | <5 | 10,000 | 150 | 15 | N | N | 700 | N | 15 | 1,000 |
| SJ631R1 | 20 | 3,000 | <20 | 150.0 | N | 20 | 1,000 | N | 20 | N | 300 | 1,000 | N | 50 | 1,000 |
| SJ631R2 | 10 | 100 | N | 150.0 | N | 5 | 50 | N | <5 | N | N | 70 | N | N | N |
| SJ631R3 | 20 | 700 | N | 500.0 | N | <5 | 10,000 | 70 | 7 | N | N | 200 | N | 15 | 500 |
| SJ631R4 | 10 | 50 | N | 20.0 | N | <5 | 15 | N | 5 | N | N | 70 | N | 20 | N |
| SJ631R5 | 200 | 100 | N | N | N | 50 | 10 | N | 30 | N | 200 | 300 | N | 15 | N |
| SJ631R6 | 15 | 150 | N | 50.0 | N | 5 | 10 | N | 7 | N | N | 100 | N | 10 | 300 |
| SJ632R | <10 | 10 | <20 | N | N | 10 | N | N | 7 | N | N | 50 | N | 30 | 200 |
| SJ632R1 | 10 | 100 | N | 15.0 | N | 5 | <10 | N | 10 | N | N | 70 | N | 30 | N |
| SJ633R | 50 | 150 | N | N | N | 30 | 10 | N | 30 | N | N | 200 | N | 15 | N |
| SJ634R | <10 | 5 | <20 | N | N | <5 | <10 | N | 10 | N | 300 | 30 | N | 20 | N |
| SJ635R | <10 | 30 | <20 | N | N | 5 | <10 | N | 5 | N | N | 30 | N | 15 | N |
| SJ635R1 | 10 | 100 | <20 | N | N | 15 | N | N | 20 | N | <100 | 300 | N | 20 | N |
| SJ636R | 20 | 30 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ637R | 50 | 15 | N | N | N | 50 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ637R1 | 10 | 70 | <20 | N | N | 5 | 15 | N | 30 | N | 1,500 | 500 | N | 30 | N |
| SJ637R2 | N | 100 | <20 | N | N | 5 | N | N | 7 | N | N | 50 | N | 15 | N |
| SJ638R | 50 | 150 | N | N | N | 30 | 10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ638R1 | 100 | 150 | <20 | N | N | 30 | <10 | N | 30 | N | 150 | 500 | N | <10 | N |
| SJ639R1 | 150 | 100 | N | N | N | 30 | <10 | N | 30 | N | 200 | 300 | N | 10 | N |
| SJ640R | 50 | 100 | N | N | N | 30 | 15 | N | 20 | N | 500 | 300 | N | 20 | N |
| SJ641R | <10 | 50 | <20 | N | N | 5 | <10 | N | 7 | N | N | 20 | N | 20 | 500 |
| SJ641R1 | 10 | 70 | N | 150.0 | N | <5 | 30 | N | 5 | N | N | 70 | N | 20 | N |
| SJ641R2 | 20 | 20 | N | 5.0 | N | <5 | 10 | N | 7 | N | N | 100 | N | 20 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ619R | 30 | N |
| SJ620R | 50 | N |
| SJ621R | 150 | N |
| SJ621RD | 70 | N |
| SJ622R | 100 | N |
| SJ623R | 20 | N |
| SJ624R | 50 | N |
| SJ625R | 50 | N |
| SJ626R | 100 | N |
| SJ626R1 | 100 | N |
| SJ627R | 30 | N |
| SJ627R1 | 15 | N |
| SJ628R | 20 | N |
| SJ628R1 | 20 | N |
| SJ629R | 100 | N |
| SJ629R1 | <10 | N |
| SJ630R | 15 | N |
| SJ630R1 | 30 | N |
| SJ630R2 | 20 | N |
| SJ630R3 | N | N |
| SJ630R4 | 10 | N |
| SJ631R | 10 | N |
| SJ631R1 | 50 | N |
| SJ631R2 | 30 | N |
| SJ631R3 | 30 | N |
| SJ631R4 | 50 | N |
| SJ631R5 | 10 | N |
| SJ631R6 | 30 | N |
| SJ632R | 100 | N |
| SJ632R1 | 100 | N |
| SJ633R | 15 | N |
| SJ634R | 50 | N |
| SJ635R | 50 | N |
| SJ635R1 | 50 | N |
| SJ636R | 20 | N |
| SJ637R | 15 | N |
| SJ637R1 | 50 | N |
| SJ637R2 | 70 | N |
| SJ638R | 30 | N |
| SJ638R1 | 15 | N |
| SJ639R1 | 20 | N |
| SJ640R | 50 | N |
| SJ641R | 70 | N |
| SJ641R1 | 50 | N |
| SJ641R2 | 50 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ641R3 | 5.00 | .20 | <.05 | .070 | 50.0 | N | N | N | 15 | 500 | <1.0 | N | N | N |
| SJ641R4 | 5.00 | 3.00 | 5.00 | .700 | 1,500.0 | N | N | N | N | 150 | N | N | N | 15 |
| SJ642R | 2.00 | .70 | .70 | .300 | 500.0 | N | N | N | N | <20 | <1.0 | N | N | <5 |
| SJ643R | 2.00 | .70 | 1.00 | .300 | 300.0 | N | N | N | N | <20 | <1.0 | N | N | <5 |
| SJ643R1 | 7.00 | .30 | <.05 | .500 | 50.0 | <.5 | N | N | 70 | 200 | N | N | N | N |
| SJ643RD | 3.00 | .70 | 1.00 | .300 | 300.0 | N | N | N | <10 | 20 | <1.0 | N | N | N |
| SJ644R | 7.00 | 2.00 | .10 | .500 | 1,000.0 | N | N | N | <10 | <20 | N | N | N | N |
| SJ645R | 7.00 | 3.00 | 5.00 | .700 | 1,000.0 | N | N | N | 10 | 50 | N | N | N | 70 |
| SJ645R1 | 1.50 | .15 | .30 | .300 | 200.0 | N | N | N | N | N | <1.0 | N | N | N |
| SJ646R | 2.00 | .70 | .30 | .200 | 300.0 | N | N | N | N | 20 | <1.0 | N | N | <5 |
| SJ646R1 | 3.00 | .70 | .30 | .300 | 300.0 | N | N | N | N | N | <1.0 | N | N | <5 |
| SJ646R2 | .30 | .70 | 20.00 | .050 | 100.0 | N | N | N | 30 | <20 | N | N | N | N |
| SJ647R | 5.00 | 1.00 | 1.50 | .500 | 1,000.0 | N | N | N | N | 20 | <1.0 | N | N | 10 |
| SJ647R1 | 2.00 | .70 | 2.00 | .300 | 500.0 | N | N | N | N | <20 | <1.0 | N | N | <5 |
| SJ648R | 3.00 | .70 | .70 | .300 | 700.0 | N | N | N | N | N | <1.0 | N | N | <5 |
| SJ648R2 | 10.00 | 2.00 | 7.00 | .500 | 1,000.0 | N | N | N | N | 200 | N | N | N | 30 |
| SJ648R3 | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | <20 | N | N | N | 50 |
| SJ649R | 2.00 | .50 | .15 | .200 | 500.0 | N | N | N | N | N | N | N | N | <5 |
| SJ650R | 3.00 | 1.00 | .50 | .200 | 300.0 | N | N | N | 30 | 700 | <1.0 | N | N | N |
| SJ651R | 3.00 | 1.00 | .50 | .200 | 500.0 | N | N | N | 15 | 200 | <1.0 | N | N | N |
| SJ651R1 | 5.00 | 2.00 | 2.00 | .300 | 1,500.0 | N | N | N | 50 | 70 | <1.0 | N | N | 30 |
| SJ651R2 | 3.00 | 1.00 | 20.00 | .070 | >5,000.0 | N | N | N | N | 200 | N | N | N | 10 |
| SJ651R3 | .50 | .02 | .70 | .015 | 200.0 | N | N | N | N | N | N | N | N | N |
| SJ651RD | 3.00 | 1.00 | .30 | .150 | 700.0 | N | N | N | 20 | 200 | <1.0 | N | N | <5 |
| SJ652R | 10.00 | 2.00 | 3.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 50 |
| SJ653R | 7.00 | 7.00 | 10.00 | .500 | 1,500.0 | N | N | N | N | N | N | N | N | 70 |
| SJ653R1 | 3.00 | .30 | 10.00 | .300 | 2,000.0 | N | N | N | 20 | 200 | N | N | N | 7 |
| SJ654R | 3.00 | 1.50 | .50 | .300 | 1,000.0 | N | N | N | 20 | 200 | <1.0 | N | N | 7 |
| SJ655R | 5.00 | 3.00 | 7.00 | .300 | 1,500.0 | N | N | N | 15 | 50 | N | N | N | 70 |
| SJ655RA | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | <10 | 100 | N | N | N | 70 |
| SJ656R | 7.00 | 3.00 | 5.00 | .300 | 1,000.0 | N | N | N | 20 | <20 | N | N | N | 30 |
| SJ657R | 7.00 | 5.00 | 7.00 | .500 | 1,000.0 | N | N | N | N | <20 | N | N | N | 70 |
| SJ657R1 | 7.00 | 3.00 | 2.00 | .300 | 1,500.0 | N | N | N | 20 | 150 | N | N | N | 70 |
| SJ659R | 10.00 | 5.00 | 10.00 | .500 | 1,500.0 | N | N | N | 20 | <20 | N | N | N | 70 |
| SJ660R | 5.00 | 3.00 | 15.00 | .300 | 1,000.0 | N | N | N | N | 20 | N | N | N | 20 |
| SJ660R1 | 5.00 | 2.00 | 5.00 | .500 | 1,000.0 | N | N | N | 30 | 100 | <1.0 | N | N | 20 |
| SJ660R2 | .50 | .10 | .15 | .007 | 100.0 | N | N | N | <10 | N | N | N | N | N |
| SJ660R3 | 5.00 | .15 | 7.00 | .300 | 500.0 | N | N | N | 30 | <20 | N | N | N | 10 |
| SJ660R4 | 5.00 | 1.00 | 3.00 | .300 | 1,500.0 | N | N | N | N | 20 | <1.0 | N | N | 10 |
| SJ660R5 | 5.00 | .70 | 15.00 | .300 | 1,500.0 | N | N | N | 30 | 300 | N | N | N | 50 |
| SJ661R | 3.00 | 2.00 | 3.00 | .300 | 1,000.0 | N | N | N | 15 | 150 | <1.0 | N | N | 10 |
| SJ662R | 7.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | 10 | 150 | N | N | N | 70 |
| SJ662R1 | 7.00 | 3.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 200 | N | N | N | 70 |
| SJ663R | 10.00 | 3.00 | 2.00 | .700 | 1,000.0 | N | N | N | 10 | 150 | <1.0 | N | N | 10 |
| SJ663R1 | 5.00 | .10 | 10.00 | .200 | 700.0 | N | N | N | 50 | N | <1.0 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ641R3 | <10 | 50 | N | <5.0 | N | <5 | <10 | N | 7 | N | N | 15 | N | 20 | N |
| SJ641R4 | 70 | 100 | N | N | N | 20 | <10 | N | 30 | N | 150 | 300 | N | 15 | N |
| SJ642R | 10 | 15 | <20 | N | N | 7 | <10 | N | 7 | N | 150 | 30 | N | 20 | N |
| SJ643R | 10 | 10 | N | N | N | 7 | <10 | N | 10 | N | <100 | 70 | N | 30 | N |
| SJ643R1 | 100 | 150 | N | N | N | 30 | 10 | N | 30 | N | N | 500 | N | 15 | N |
| SJ643RD | N | 7 | N | N | N | 5 | <10 | N | 15 | N | N | 70 | N | 20 | N |
| SJ644R | 20 | 30 | <20 | N | N | <5 | N | N | <5 | N | N | 100 | N | 10 | N |
| SJ645R | 20 | 150 | N | N | N | 15 | 10 | N | 30 | N | 300 | 300 | N | 30 | N |
| SJ645R1 | N | N | <20 | N | N | <5 | N | N | 7 | N | N | <10 | N | 30 | N |
| SJ646R | 15 | <5 | <20 | N | N | 5 | N | N | 7 | N | N | 50 | N | 15 | N |
| SJ646R1 | 10 | 10 | N | N | N | 10 | N | N | 10 | N | N | 50 | N | 50 | N |
| SJ646R2 | <10 | 7 | <20 | N | N | N | 30 | N | N | N | >5,000 | 10 | N | N | N |
| SJ647R | 15 | 50 | N | N | N | 7 | <10 | N | 20 | N | 150 | 200 | N | 20 | N |
| SJ647R1 | 15 | <5 | <20 | N | N | 7 | <10 | N | 10 | N | N | 50 | N | 20 | N |
| SJ648R | <10 | <5 | N | N | N | <5 | N | N | 7 | N | N | 70 | N | 15 | N |
| SJ648R2 | 50 | 150 | N | N | N | 30 | 10 | N | 30 | N | 500 | 300 | N | 30 | N |
| SJ648R3 | 200 | 50 | N | N | N | 100 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ649R | N | 5 | <20 | N | N | 5 | N | N | 10 | N | N | 70 | N | 20 | N |
| SJ650R | <10 | 7 | N | N | N | 5 | N | N | 15 | N | <100 | <10 | N | 30 | N |
| SJ651R | N | 7 | N | N | N | <5 | N | N | 10 | N | N | <10 | N | 30 | N |
| SJ651R1 | 30 | 100 | N | N | N | 20 | 10 | N | 20 | N | N | 500 | N | 15 | 200 |
| SJ651R2 | 10 | 30 | <20 | N | N | <5 | 10 | N | 10 | N | 150 | 150 | N | 50 | N |
| SJ651R3 | <10 | 20 | N | N | N | 5 | N | N | N | N | N | 10 | N | N | N |
| SJ651RD | N | 5 | N | N | N | 5 | <10 | N | 10 | N | N | <10 | N | 20 | N |
| SJ652R | N | 200 | N | N | N | 5 | N | N | 50 | N | 150 | 300 | N | 20 | N |
| SJ653R | 100 | 50 | N | N | N | 30 | 10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ653R1 | <10 | 7 | <20 | N | N | 5 | N | N | 20 | N | 500 | 50 | N | 50 | N |
| SJ654R | <10 | 10 | N | N | N | 7 | N | N | 10 | N | N | 30 | N | 20 | N |
| SJ655R | 150 | 100 | N | N | N | 50 | <10 | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ655RA | 150 | 150 | N | N | N | 30 | <10 | N | 50 | N | 700 | 500 | N | 15 | N |
| SJ656R | 50 | 100 | N | N | N | 50 | 10 | N | 30 | N | 700 | 300 | N | 15 | N |
| SJ657R | 500 | 150 | N | N | N | 150 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ657R1 | 200 | 150 | N | N | N | 50 | <10 | N | 70 | N | 300 | 300 | N | 10 | N |
| SJ659R | 200 | 150 | N | N | N | 50 | 15 | N | 50 | N | 500 | 300 | N | 10 | N |
| SJ660R | 150 | 70 | N | N | N | 20 | 10 | N | 30 | N | 300 | 300 | N | <10 | N |
| SJ660R1 | N | 100 | N | N | N | 10 | <10 | N | 30 | N | 700 | 300 | N | 20 | N |
| SJ660R2 | 10 | 20 | N | N | N | <5 | N | N | N | N | N | 30 | N | 30 | N |
| SJ660R3 | 100 | 20 | <20 | N | N | 7 | 20 | N | 30 | N | N | 300 | N | N | N |
| SJ660R4 | 10 | 30 | N | N | N | <5 | <10 | N | 5 | N | 500 | 100 | N | 15 | N |
| SJ660R5 | 150 | 30 | N | N | N | 20 | <10 | N | 30 | N | N | 300 | N | 10 | N |
| SJ661R | 30 | 70 | N | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ662R | 70 | 150 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 10 | N |
| SJ662R1 | 150 | 150 | N | N | N | 50 | <10 | N | 50 | N | 500 | 500 | N | <10 | N |
| SJ663R | 20 | 200 | N | N | N | 7 | <10 | N | <5 | N | 300 | 300 | N | 15 | N |
| SJ663R1 | N | 7 | N | N | N | 5 | 30 | N | 15 | N | 1,500 | 100 | N | 20 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ641R3 | 50 | N |
| SJ641R4 | 30 | N |
| SJ642R | 70 | N |
| SJ643R | 150 | N |
| SJ643R1 | 30 | N |
| SJ643RD | 70 | N |
| SJ644R | 50 | N |
| SJ645R | 50 | N |
| SJ645R1 | 150 | N |
| SJ646R | 50 | N |
| SJ646R1 | 70 | N |
| SJ646R2 | 15 | N |
| SJ647R | 70 | N |
| SJ647R1 | 150 | N |
| SJ648R | 50 | N |
| SJ648R2 | 70 | N |
| SJ648R3 | 50 | N |
| SJ649R | 50 | N |
| SJ650R | 100 | N |
| SJ651R | 150 | N |
| SJ651R1 | 30 | N |
| SJ651R2 | N | N |
| SJ651R3 | <10 | N |
| SJ651RD | 70 | N |
| SJ652R | 20 | N |
| SJ653R | <10 | N |
| SJ653R1 | 50 | N |
| SJ654R | 70 | N |
| SJ655R | 30 | N |
| SJ655RA | 30 | N |
| SJ656R | 20 | N |
| SJ657R | 30 | N |
| SJ657R1 | 30 | N |
| SJ659R | 30 | N |
| SJ660R | 20 | N |
| SJ660R1 | 30 | N |
| SJ660R2 | N | N |
| SJ660R3 | 20 | N |
| SJ660R4 | 70 | N |
| SJ660R5 | 15 | N |
| SJ661R | 50 | N |
| SJ662R | 20 | N |
| SJ662R1 | 30 | N |
| SJ663R | 50 | N |
| SJ663R1 | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ663R2 | 2.00 | .50 | 10.00 | .300 | 1,000.0 | N | N | N | 30 | 20 | <1.0 | N | N | <5 |
| SJ664R | 5.00 | 3.00 | 5.00 | .700 | 1,500.0 | N | N | N | N | 50 | N | N | N | 70 |
| SJ665R | 3.00 | 1.50 | 2.00 | .300 | 1,000.0 | N | N | N | N | 200 | <1.0 | N | N | 10 |
| SJ665R1 | 5.00 | 2.00 | 2.00 | .500 | 700.0 | N | N | N | 10 | 200 | N | N | N | 70 |
| SJ666R | 3.00 | .50 | .50 | .300 | 200.0 | N | N | N | N | <20 | N | N | N | 7 |
| SJ666R1 | 5.00 | .70 | 10.00 | .300 | 1,000.0 | N | N | N | 50 | <20 | <1.0 | N | N | 15 |
| SJ667R | 2.00 | .70 | .20 | .200 | 300.0 | N | N | N | N | 70 | <1.0 | N | N | <5 |
| SJ667R1 | 3.00 | .20 | .10 | .300 | 70.0 | N | N | N | 10 | 150 | <1.0 | N | N | N |
| SJ667R2 | 7.00 | 3.00 | 5.00 | .500 | 1,000.0 | N | N | N | N | 70 | .0 | N | N | 70 |
| SJ667R3 | 1.50 | .15 | .05 | .200 | 1,000.0 | N | N | N | 15 | 70 | <1.0 | N | N | 5 |
| SJ668R | 2.00 | .70 | .15 | .150 | 700.0 | N | N | N | N | N | <1.0 | N | N | <5 |
| SJ668R1 | 3.00 | 1.00 | .50 | .300 | 500.0 | N | N | N | N | N | <1.0 | N | N | 10 |
| SJ668R2 | 3.00 | .70 | 3.00 | .150 | 1,000.0 | N | N | N | 15 | 70 | N | N | N | 10 |
| SJ668R3 | 5.00 | .70 | 2.00 | .200 | 500.0 | N | N | N | 15 | 50 | N | N | N | 70 |
| SJ668R4 | 5.00 | .70 | 5.00 | .500 | 1,000.0 | N | N | N | 20 | 100 | N | N | N | <5 |
| SJ669R | 1.00 | .10 | .70 | .200 | 100.0 | N | N | N | <10 | 20 | <1.0 | N | N | N |
| SJ670R | 1.50 | .30 | .05 | .150 | 70.0 | N | N | N | 20 | 70 | 1.0 | N | N | N |
| SJ671R | 2.00 | .70 | .20 | .300 | 150.0 | N | N | N | N | 150 | .0 | N | N | 5 |
| SJ672R | 7.00 | 5.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | <20 | N | N | N | 70 |
| SJ673R | 1.50 | .50 | .70 | .200 | 150.0 | N | N | N | 20 | 70 | <1.0 | N | N | N |
| SJ673R1 | 7.00 | 1.50 | 3.00 | 1.000 | 1,000.0 | N | N | N | 30 | <20 | <1.0 | N | N | 20 |
| SJ674R | 1.50 | .15 | .10 | .200 | 20.0 | 30.0 | N | N | 15 | 5,000 | <1.0 | N | N | N |
| SJ675R | 3.00 | .50 | <.05 | .300 | 50.0 | 1.5 | N | N | 50 | 3,000 | N | N | N | N |
| SJ675R1 | 10.00 | .70 | N | .500 | 30.0 | .5 | 300 | N | 50 | 2,000 | <1.0 | N | N | N |
| SJ676R | >20.00 | .07 | <.05 | .500 | 50.0 | N | 2,000 | N | N | >5,000 | N | N | N | N |
| SJ676R1 | 2.00 | .03 | .07 | .150 | <10.0 | 2.0 | N | N | <10 | 1,500 | N | N | N | N |
| SJ677R | 1.50 | .70 | .15 | .150 | 500.0 | N | N | N | 15 | 70 | 1.0 | N | N | N |
| SJ678R | 2.00 | .15 | .30 | .200 | 70.0 | N | N | N | <10 | 150 | <1.0 | N | N | N |
| SJ679R | 3.00 | 1.00 | <.05 | .200 | 300.0 | N | N | N | 10 | 200 | <1.0 | N | N | <5 |
| SJ680R | 1.50 | .50 | <.05 | .200 | 300.0 | N | N | N | 50 | 500 | 1.0 | N | N | N |
| SJ680R1 | >20.00 | .07 | <.05 | .700 | 300.0 | 1.0 | N | N | N | 150 | N | N | N | N |
| SJ681R | 3.00 | .70 | .15 | .300 | 300.0 | <.5 | N | N | <10 | 300 | <1.0 | N | N | N |
| SJ682R | 3.00 | .50 | 2.00 | .300 | 700.0 | N | N | N | 10 | 70 | <1.0 | N | N | 10 |
| SJ683R | 3.00 | .70 | 2.00 | .300 | 700.0 | N | N | N | 30 | 300 | 1.0 | N | N | N |
| SJ685R | 1.50 | .70 | 1.50 | .300 | 700.0 | N | N | N | 15 | 300 | 1.0 | N | N | <5 |
| SJ685R1 | 5.00 | .03 | <.05 | .300 | 30.0 | .5 | N | N | 10 | 300 | N | N | N | N |
| SJ686R | 2.00 | .70 | .50 | .200 | 500.0 | N | N | N | 20 | 100 | <1.0 | N | N | N |
| SJ687R | 7.00 | 2.00 | 5.00 | .700 | 1,000.0 | N | N | N | <10 | 70 | N | N | N | 30 |
| SJ688R | 5.00 | 7.00 | 3.00 | .300 | 700.0 | N | N | N | <10 | 300 | N | N | N | 30 |
| SJ688R1 | 2.00 | .70 | .70 | .200 | 200.0 | N | N | N | 20 | 150 | <1.0 | N | N | N |
| SJ689R | 7.00 | .20 | <.05 | .100 | 20.0 | N | N | N | 100 | 200 | N | N | N | N |
| SJ689R1 | >20.00 | <.02 | <.05 | .500 | 70.0 | <.5 | N | N | N | N | N | N | N | N |
| SJ690R | 2.00 | .70 | 1.00 | .200 | 500.0 | N | N | N | 15 | 70 | <1.0 | N | N | N |
| SJ691R | 1.50 | .70 | 1.50 | .300 | 500.0 | N | N | N | 15 | 500 | .0 | N | N | N |
| SJ692R | 20.00 | .07 | .05 | .300 | 70.0 | .5 | 200 | N | N | 1,500 | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ663R2 | 20 | 20 | <20 | N | N | <5 | <10 | N | 20 | N | 150 | 150 | N | 20 | N |
| SJ664R | 70 | 150 | N | N | N | 70 | <10 | N | 30 | N | 200 | 300 | N | 20 | N |
| SJ665R | 10 | 30 | N | N | N | 5 | <10 | N | 20 | N | 500 | 150 | N | 20 | N |
| SJ665R1 | 50 | 100 | N | N | N | 30 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ666R | 15 | 10 | N | N | N | 5 | <10 | N | 20 | N | N | 70 | N | 20 | N |
| SJ666R1 | 15 | 10 | <20 | N | N | 15 | <10 | N | 20 | N | N | 300 | N | 20 | N |
| SJ667R | 15 | 5 | <20 | N | N | 5 | <10 | N | 7 | N | <100 | 30 | N | 20 | N |
| SJ667R1 | <10 | 100 | N | N | N | 7 | <10 | N | 7 | N | N | 30 | N | 30 | N |
| SJ667R2 | 200 | 150 | N | N | N | 100 | 10 | N | 30 | N | 700 | 300 | N | 15 | N |
| SJ667R3 | 10 | 30 | <20 | N | N | 5 | <10 | N | 7 | N | N | 30 | N | 20 | N |
| SJ668R | 15 | <5 | N | N | N | 5 | N | N | 10 | N | N | <10 | N | 30 | N |
| SJ668R1 | <10 | 7 | N | N | N | <5 | <10 | N | 10 | N | 100 | 70 | N | 30 | N |
| SJ668R2 | 100 | 20 | N | N | N | 30 | 50 | N | 20 | N | 500 | 200 | N | <10 | N |
| SJ668R3 | <10 | 500 | N | N | N | 5 | 10 | N | 20 | N | 300 | 200 | N | 15 | N |
| SJ668R4 | <10 | 50 | N | N | N | 5 | N | N | 15 | N | 300 | 200 | N | 20 | N |
| SJ669R | <10 | 7 | <20 | N | N | 5 | <10 | N | 5 | N | <100 | 30 | N | 15 | N |
| SJ670R | N | 5 | <20 | N | N | <5 | N | N | 7 | N | N | 20 | N | 20 | N |
| SJ671R | 10 | <5 | <20 | N | N | 5 | N | N | 7 | N | N | 30 | N | 20 | N |
| SJ672R | 100 | 70 | N | N | N | 50 | N | N | 30 | N | 100 | 300 | N | 20 | <200 |
| SJ673R | 10 | 500 | <20 | N | N | <5 | <10 | N | 5 | N | N | 30 | N | 20 | N |
| SJ673R1 | 10 | 100 | <20 | N | N | 7 | <10 | N | 30 | N | 300 | 300 | N | 30 | N |
| SJ674R | N | 100 | <20 | N | N | <5 | 1,000 | N | 5 | N | N | 70 | N | <10 | N |
| SJ675R | <10 | 300 | N | 5.0 | N | 5 | 20 | N | 10 | N | N | 100 | N | 10 | N |
| SJ675R1 | N | 700 | N | 7.0 | N | <5 | 150 | N | 20 | N | N | 70 | N | 30 | N |
| SJ676R | 30 | 700 | N | 700.0 | N | N | 200 | <100 | <5 | N | N | 300 | N | 20 | N |
| SJ676R1 | 10 | 100 | N | 100.0 | N | <5 | 30 | N | N | N | N | 20 | N | N | N |
| SJ677R | 10 | 20 | N | N | N | 5 | N | N | 5 | N | N | 20 | N | 30 | 300 |
| SJ678R | <10 | 15 | <20 | N | N | <5 | 10 | N | 7 | N | N | 70 | N | 10 | N |
| SJ679R | 10 | 1,000 | <20 | 20.0 | N | 5 | 10 | N | 20 | N | N | 70 | N | 20 | N |
| SJ680R | 10 | 200 | <20 | N | N | 5 | 700 | N | 10 | N | N | 30 | N | 50 | 700 |
| SJ680R1 | 30 | 700 | N | N | N | <5 | 70 | N | <5 | N | N | 500 | N | 15 | N |
| SJ681R | N | 10 | N | N | N | <5 | 15 | N | 5 | N | N | 30 | N | 15 | N |
| SJ682R | N | 10 | N | N | N | 5 | N | N | 7 | N | 200 | 70 | N | 15 | N |
| SJ683R | 10 | 5 | <20 | N | N | 5 | N | N | 15 | N | <100 | 30 | N | 20 | N |
| SJ685R | <10 | 5 | N | N | N | 5 | <10 | N | 7 | N | 300 | 20 | N | 20 | N |
| SJ685R1 | 10 | 150 | N | 50.0 | N | 5 | 30 | N | 5 | N | N | 70 | N | N | N |
| SJ686R | N | 10 | N | N | N | 7 | <10 | N | 10 | N | N | 15 | N | 30 | N |
| SJ687R | 30 | 30 | N | N | N | 20 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ688R | 150 | 100 | N | N | N | 50 | <10 | N | 30 | N | 200 | 300 | N | 15 | N |
| SJ688R1 | 10 | 15 | N | N | N | 5 | 10 | N | 7 | N | 200 | 20 | N | 20 | N |
| SJ689R | <10 | 2,000 | N | 50.0 | N | <5 | 20 | N | 5 | N | N | 150 | N | N | N |
| SJ689R1 | 500 | 700 | N | N | N | <5 | 100 | N | 7 | N | N | 500 | N | 15 | N |
| SJ690R | <10 | <5 | <20 | N | N | 5 | <10 | N | 7 | N | N | 30 | N | 20 | N |
| SJ691R | 10 | 7 | <20 | N | N | 7 | 20 | N | 7 | N | 200 | 30 | N | 20 | N |
| SJ692R | 10 | 700 | N | 70.0 | N | <5 | 100 | N | 7 | N | N | 100 | N | 15 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ663R2 | 50 | N |
| SJ664R | 50 | N |
| SJ665R | 50 | N |
| SJ665R1 | 50 | N |
| SJ666R | 50 | N |
| SJ666R1 | 30 | N |
| SJ667R | 50 | N |
| SJ667R1 | 150 | N |
| SJ667R2 | 30 | N |
| SJ667R3 | 70 | N |
| SJ668R | 100 | N |
| SJ668R1 | 70 | N |
| SJ668R2 | 10 | N |
| SJ668R3 | 15 | N |
| SJ668R4 | 70 | N |
| SJ669R | 30 | N |
| SJ670R | 70 | N |
| SJ671R | 70 | N |
| SJ672R | 10 | N |
| SJ673R | 50 | N |
| SJ673R1 | 100 | N |
| SJ674R | 70 | N |
| SJ675R | 150 | N |
| SJ675R1 | 150 | N |
| SJ676R | 50 | N |
| SJ676R1 | 30 | N |
| SJ677R | 100 | N |
| SJ678R | 50 | N |
| SJ679R | 70 | N |
| SJ680R | 70 | N |
| SJ680R1 | 50 | N |
| SJ681R | 100 | N |
| SJ682R | 150 | N |
| SJ683R | 70 | N |
| SJ685R | 70 | N |
| SJ685R1 | 70 | N |
| SJ686R | 150 | N |
| SJ687R | 50 | N |
| SJ688R | 20 | N |
| SJ688R1 | 50 | N |
| SJ689R | 30 | N |
| SJ689R1 | N | N |
| SJ690R | 70 | N |
| SJ691R | 50 | N |
| SJ692R | 100 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ692R1 | 7.00 | .02 | <.05 | .070 | <10.0 | 50.0 | N | N | N | 1,500 | N | N | N | N |
| SJ692R2 | 1.00 | .70 | <.05 | .200 | 50.0 | N | N | N | 20 | 300 | <1.0 | N | N | N |
| SJ693R | 3.00 | 1.00 | .30 | .200 | 500.0 | N | N | N | <10 | 100 | <1.0 | N | N | 5 |
| SJ694R | 10.00 | 2.00 | 5.00 | 1.000 | 1,500.0 | N | N | N | N | 50 | N | N | N | 70 |
| SJ695R | 2.00 | 1.00 | .20 | .300 | 700.0 | N | N | N | 10 | 500 | <1.0 | N | N | N |
| SJ696R | 3.00 | 1.00 | .20 | .200 | 700.0 | <.5 | N | N | N | 70 | <1.0 | N | N | 7 |
| SJ696R1 | 10.00 | .30 | <.05 | .100 | 300.0 | 2.0 | N | N | 30 | 2,000 | N | 10 | N | N |
| SJ696R2 | 3.00 | .50 | <.05 | .200 | 200.0 | .7 | N | N | 20 | 1,000 | N | N | N | <5 |
| SJ697R | 2.00 | 1.00 | .15 | .150 | 500.0 | N | N | N | 15 | 100 | <1.0 | N | N | N |
| SJ697R1 | 3.00 | .10 | <.05 | .100 | 50.0 | N | N | N | 10 | 300 | <1.0 | N | N | <5 |
| SJ698R | 2.00 | .70 | .50 | .200 | 200.0 | N | N | N | N | <20 | .0 | N | N | 7 |
| SJ699R | .70 | .70 | .07 | .070 | 200.0 | N | N | N | 10 | 200 | <1.0 | N | N | N |
| SJ699R1 | 3.00 | .15 | .05 | .100 | 150.0 | N | N | N | N | 300 | <1.0 | N | N | N |
| SJ699R2 | 2.00 | .50 | .15 | .300 | 200.0 | N | N | N | 10 | 70 | <1.0 | N | N | N |
| SJ700R | 2.00 | .70 | 1.00 | .300 | 500.0 | N | N | N | 15 | 70 | <1.0 | N | N | 7 |
| SJ701R | 3.00 | 1.00 | .15 | .200 | 1,000.0 | N | N | N | 20 | 150 | 1.0 | N | N | N |
| SJ702R | 2.00 | .70 | .30 | .300 | 500.0 | N | N | N | N | 150 | N | N | N | 5 |
| SJ702R1 | 1.50 | .15 | .20 | .150 | 150.0 | N | N | N | <10 | <20 | <1.0 | N | N | N |
| SJ703R | 3.00 | .70 | .30 | .300 | 500.0 | N | N | N | N | 50 | <1.0 | N | N | N |
| SJ704R | 1.50 | .70 | .20 | .150 | 300.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| SJ705R | 1.50 | .70 | 1.50 | .100 | 1,000.0 | N | N | N | 70 | 200 | 1.0 | N | N | N |
| SJ706R | 7.00 | .30 | <.05 | .150 | 30.0 | .7 | N | N | 15 | 700 | N | N | N | N |
| SJ707R | 1.50 | .70 | .15 | .300 | 300.0 | N | N | N | N | <20 | N | N | N | <5 |
| SJ708R | 3.00 | 1.00 | .30 | .200 | 500.0 | N | N | N | <10 | 200 | <1.0 | N | N | 5 |
| SJ709R | 3.00 | 1.00 | .30 | .300 | 700.0 | N | N | N | 10 | 30 | <1.0 | N | N | 5 |
| SJ709R1 | 1.50 | .50 | .07 | .150 | 150.0 | N | N | N | 30 | 700 | 1.0 | N | N | N |
| SJ709R1A | 10.00 | .20 | <.05 | .200 | 70.0 | N | N | N | 50 | 1,000 | <1.0 | N | N | N |
| SJ709R3 | 2.00 | 1.00 | .15 | .200 | 500.0 | N | N | N | 10 | 150 | <1.0 | N | N | <5 |
| SJ709R4 | .70 | .20 | .15 | .020 | 150.0 | N | N | N | 10 | <20 | N | N | N | N |
| SJ709R5 | 7.00 | 2.00 | 1.50 | .700 | 2,000.0 | N | N | N | 15 | 100 | N | N | N | 70 |
| SJ709R6 | 3.00 | .15 | <.05 | .200 | 30.0 | N | N | N | 30 | 700 | N | N | N | N |
| SJ710R | 10.00 | 3.00 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 200 | N | N | N | 50 |
| SJ711R | 2.00 | .50 | .15 | .100 | 300.0 | N | N | N | 10 | 200 | 1.0 | N | N | N |
| SJ711R1 | 2.00 | .30 | .15 | .100 | 500.0 | N | N | N | N | 100 | <1.0 | N | N | N |
| SJ711RZ | 3.00 | .70 | .10 | .200 | 300.0 | N | N | N | 70 | 100 | <1.0 | N | N | <5 |
| SJ712R | 3.00 | .50 | 1.50 | .200 | 700.0 | N | N | N | 10 | 300 | 1.0 | N | N | N |
| SJ713R | 3.00 | .70 | .15 | .200 | 300.0 | N | N | N | N | 70 | 1.0 | N | N | <5 |
| SJ713R1 | 5.00 | .50 | 10.00 | .200 | 1,000.0 | N | N | N | <10 | N | N | N | N | 7 |
| SJ713RD | 1.50 | .50 | .10 | .100 | 200.0 | N | N | N | N | 20 | 1.0 | N | N | N |
| SJ714R | 2.00 | .70 | .20 | .200 | 700.0 | N | N | N | <10 | 20 | <1.0 | N | N | <5 |
| SJ716R | 1.50 | .20 | .10 | .300 | 100.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| SJ717R | 1.00 | .20 | .10 | .200 | 30.0 | N | N | N | N | <20 | <1.0 | N | N | N |
| SJ717R1 | 7.00 | 3.00 | 1.50 | .500 | 500.0 | N | N | N | N | 100 | N | N | N | 50 |
| SJ718R | 1.50 | .30 | .15 | .200 | 70.0 | N | N | N | N | 20 | <1.0 | N | N | N |
| SJ718RD | 2.00 | .70 | .20 | .300 | 150.0 | N | N | N | <10 | <20 | <1.0 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ692R1 | <10 | 300 | N | 100.0 | N | <5 | 70 | N | <5 | N | N | <10 | N | <10 | N |
| SJ692R2 | 10 | 100 | <20 | N | N | 5 | <10 | N | 15 | N | N | 30 | N | 15 | N |
| SJ693R | 10 | <5 | N | N | N | <5 | N | N | 10 | N | <100 | 15 | N | 20 | N |
| SJ694R | 20 | 100 | N | N | N | 30 | 10 | N | 30 | N | 300 | 500 | N | 30 | N |
| SJ695R | <10 | 10 | <20 | N | N | <5 | <10 | N | 7 | N | N | 30 | N | 15 | N |
| SJ696R | 20 | 30 | N | N | N | 7 | <10 | N | 10 | N | N | 70 | N | 15 | <200 |
| SJ696R1 | 15 | 150 | N | 15.0 | N | 5 | 150 | N | 7 | N | N | 20 | N | 15 | 500 |
| SJ696R2 | 15 | 1,500 | N | 10.0 | N | 5 | 15 | N | 7 | N | N | 50 | N | 15 | 1,000 |
| SJ697R | 10 | 7 | N | N | N | <5 | <10 | N | 7 | N | N | 30 | N | 15 | N |
| SJ697R1 | <10 | 15 | N | N | N | 5 | N | N | 5 | N | N | 70 | N | N | N |
| SJ698R | 10 | <5 | <20 | N | N | 5 | <10 | N | 7 | N | N | 50 | N | 20 | N |
| SJ699R | N | 7 | <20 | N | N | 5 | N | N | 5 | N | N | 15 | N | 20 | N |
| SJ699R1 | <10 | 7 | <20 | 15.0 | N | <5 | <10 | N | 7 | N | N | 30 | N | 10 | N |
| SJ699R2 | 10 | 200 | <20 | N | N | 5 | <10 | N | 7 | N | N | 20 | N | 20 | N |
| SJ700R | <10 | 15 | N | N | N | 10 | 20 | N | 7 | N | N | 30 | N | 20 | N |
| SJ701R | 10 | 7 | <20 | N | N | 5 | N | N | 15 | N | N | 10 | N | 20 | N |
| SJ702R | 10 | 5 | N | N | N | 7 | N | N | 10 | N | N | 10 | N | 20 | N |
| SJ702R1 | N | 15 | <20 | N | N | 7 | <10 | N | 7 | N | N | <10 | N | 20 | N |
| SJ703R | N | 7 | N | N | N | <5 | <10 | N | 15 | N | 100 | 10 | N | 30 | N |
| SJ704R | N | <5 | N | N | N | 5 | <10 | N | 5 | N | N | <10 | N | 15 | N |
| SJ705R | N | 30 | <20 | N | N | 30 | <10 | N | 7 | N | N | 10 | N | 20 | N |
| SJ706R | N | 150 | N | N | N | <5 | <10 | N | 7 | N | N | 20 | N | 15 | N |
| SJ707R | 10 | <5 | N | N | N | 5 | N | N | 7 | N | N | 30 | N | 20 | N |
| SJ708R | 10 | 10 | N | N | N | 7 | <10 | N | 7 | N | N | 70 | N | 15 | N |
| SJ709R | <10 | <5 | N | N | N | 5 | N | N | 15 | N | N | 30 | N | 20 | N |
| SJ709R1 | N | 10 | N | N | N | 5 | 15 | N | 10 | N | N | <10 | N | 20 | N |
| SJ709R1A | <10 | 50 | N | 7.0 | N | <5 | 30 | N | 15 | N | N | 30 | N | 50 | N |
| SJ709R3 | N | 30 | <20 | N | N | <5 | N | N | 7 | N | N | 20 | N | 20 | N |
| SJ709R4 | 10 | 20 | N | N | N | 7 | N | N | N | N | N | 20 | N | N | N |
| SJ709R5 | 100 | 150 | N | N | N | 50 | 10 | N | 30 | N | 200 | 300 | N | 30 | 500 |
| SJ709R6 | <10 | 50 | N | <5.0 | N | 7 | <10 | N | 10 | N | N | 10 | N | 20 | N |
| SJ710R | 20 | 150 | N | N | N | 50 | 20 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ711R | <10 | <5 | N | N | N | <5 | N | N | 7 | N | N | <10 | N | 15 | N |
| SJ711R1 | 70 | 10 | N | N | N | 7 | N | N | 7 | N | N | <10 | N | 20 | N |
| SJ711RZ | 15 | 5 | <20 | N | N | 5 | <10 | N | 15 | N | N | <10 | N | 20 | N |
| SJ712R | N | <5 | N | N | N | <5 | N | N | 7 | N | N | <10 | N | 30 | N |
| SJ713R | N | <5 | <20 | N | N | 5 | N | N | 15 | N | N | <10 | N | 20 | N |
| SJ713R1 | 100 | 15 | N | N | N | 15 | 20 | N | 30 | N | 1,500 | 500 | N | <10 | N |
| SJ713RD | 10 | <5 | <20 | N | N | 5 | N | N | 10 | N | N | <10 | N | 15 | N |
| SJ714R | N | <5 | <20 | N | N | 5 | N | N | 10 | N | N | 15 | N | 20 | N |
| SJ716R | <10 | <5 | N | N | N | <5 | <10 | N | 7 | N | N | 30 | N | 15 | N |
| SJ717R | <10 | 5 | <20 | N | N | 5 | <10 | N | 5 | N | N | 20 | N | 15 | N |
| SJ717R1 | 10 | 150 | N | N | N | 10 | <10 | N | 30 | N | N | 300 | N | 15 | N |
| SJ718R | <10 | 10 | <20 | N | N | <5 | <10 | N | 5 | N | N | 30 | N | 15 | N |
| SJ718RD | <10 | 15 | N | N | N | <5 | N | N | 5 | N | N | 30 | N | 15 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ692R1 | 30 | N |
| SJ692R2 | 70 | N |
| SJ693R | 30 | N |
| SJ694R | 100 | N |
| SJ695R | 50 | N |
| SJ696R | 50 | N |
| SJ696R1 | 50 | N |
| SJ696R2 | 30 | N |
| SJ697R | 50 | N |
| SJ697R1 | 30 | N |
| SJ698R | 100 | N |
| SJ699R | 50 | N |
| SJ699R1 | 50 | N |
| SJ699R2 | 50 | N |
| SJ700R | 70 | N |
| SJ701R | 70 | N |
| SJ702R | 70 | N |
| SJ702R1 | 50 | N |
| SJ703R | 70 | N |
| SJ704R | 30 | N |
| SJ705R | 70 | N |
| SJ706R | 100 | N |
| SJ707R | 50 | N |
| SJ708R | 50 | N |
| SJ709R | 150 | N |
| SJ709R1 | 100 | N |
| SJ709R1A | 150 | N |
| SJ709R3 | 50 | N |
| SJ709R4 | <10 | N |
| SJ709R5 | 50 | N |
| SJ709R6 | 100 | N |
| SJ710R | 100 | N |
| SJ711R | 100 | N |
| SJ711R1 | 100 | N |
| SJ711RZ | 150 | N |
| SJ712R | 100 | N |
| SJ713R | 100 | N |
| SJ713R1 | N | N |
| SJ713RD | 50 | N |
| SJ714R | 50 | N |
| SJ716R | 70 | N |
| SJ717R | 100 | N |
| SJ717R1 | 15 | N |
| SJ718R | 50 | N |
| SJ718RD | 70 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ719R | 1.50 | .50 | .30 | .100 | 500.0 | N | N | N | N | 150 | <1.0 | N | N | N |
| SJ720R | 1.50 | .70 | .10 | .150 | 700.0 | N | N | N | N | <20 | .0 | N | N | N |
| SJ723R | 3.00 | 2.00 | 3.00 | .300 | 700.0 | N | N | N | 10 | 200 | N | N | N | 7 |
| SJ724R | 7.00 | 3.00 | 3.00 | .300 | 1,000.0 | N | N | N | <10 | 150 | N | N | N | 20 |
| SJ724RD | 5.00 | 3.00 | 3.00 | .300 | 700.0 | N | N | N | 10 | 100 | N | N | N | 20 |
| SJ725R | 3.00 | 1.50 | 2.00 | .300 | 500.0 | N | N | N | 10 | 50 | N | N | N | 15 |
| SJ725R1 | 3.00 | .20 | 3.00 | .150 | 300.0 | N | N | N | 15 | 20 | N | N | N | <5 |
| SJ725R2 | 3.00 | .15 | .50 | .100 | 1,000.0 | 2.0 | N | N | 10 | 70 | N | N | N | 10 |
| SJ725R3 | 3.00 | 1.50 | 15.00 | .300 | 1,000.0 | .5 | N | N | 30 | 300 | N | N | N | 20 |
| SJ725R4 | .70 | .20 | .15 | .030 | 200.0 | N | N | N | 10 | 30 | N | N | N | <5 |
| SJ726R | 7.00 | 5.00 | 3.00 | .300 | 700.0 | N | N | N | 15 | <20 | N | N | N | 70 |
| SJ726R1 | 3.00 | .50 | 7.00 | .100 | 500.0 | N | N | N | 15 | N | N | N | N | 7 |
| SJ727R | 5.00 | 5.00 | 10.00 | .300 | 1,500.0 | N | N | N | N | 70 | N | N | N | 30 |
| SJ727R1 | .10 | .03 | <.05 | .003 | <10.0 | N | N | N | 15 | N | N | N | N | N |
| SJ728R | 3.00 | .70 | 2.00 | .200 | 1,000.0 | N | N | N | 20 | 20 | <1.0 | N | N | 7 |
| SJ729R | 5.00 | 2.00 | 5.00 | .300 | 1,000.0 | N | N | N | <10 | 50 | N | N | N | 50 |
| SJ729R1 | 5.00 | 5.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 70 | N | N | N | 70 |
| SJ730R | 7.00 | 5.00 | 7.00 | .300 | 1,000.0 | N | N | N | N | <20 | .0 | N | N | 70 |
| SJ731R | 3.00 | 3.00 | 15.00 | .200 | 1,500.0 | N | N | N | N | N | N | N | N | 30 |
| SJ731R1 | 7.00 | 5.00 | 7.00 | .500 | 2,000.0 | N | N | N | N | 50 | N | N | N | 70 |
| SJ732R | 7.00 | 5.00 | 5.00 | .300 | 1,500.0 | N | N | N | N | 200 | N | N | N | 70 |
| SJ733R | 5.00 | 2.00 | 5.00 | .500 | 1,000.0 | N | N | N | 20 | 300 | N | N | N | 20 |
| SJ734R | 5.00 | 2.00 | 7.00 | .300 | 1,000.0 | N | N | N | <10 | 500 | N | N | N | 30 |
| SJ734R1 | 7.00 | 3.00 | 15.00 | .500 | 1,000.0 | N | N | N | N | <20 | .0 | N | N | 50 |
| SJ734R2 | 3.00 | .70 | 5.00 | .300 | 700.0 | N | N | N | 20 | 70 | N | N | N | 10 |
| SJ734R3 | 5.00 | 2.00 | 3.00 | .300 | 1,000.0 | N | N | N | <10 | 100 | N | N | N | 20 |
| SJ734R4 | 3.00 | .30 | 5.00 | .500 | 1,000.0 | N | N | N | 50 | <20 | N | N | N | 10 |
| SJ734R5 | 5.00 | 1.50 | 1.50 | .500 | 1,500.0 | N | N | N | 20 | 100 | N | N | N | 30 |
| SJ734R6 | 1.50 | .70 | .50 | .070 | 1,000.0 | N | N | N | 10 | 200 | N | N | N | 5 |
| SJ734R7 | 3.00 | 1.50 | 1.50 | .300 | 1,000.0 | N | N | N | 15 | <20 | <1.0 | N | N | 15 |
| SJ735R | 5.00 | 1.50 | 7.00 | .500 | 2,000.0 | N | N | N | <10 | 700 | <1.0 | N | N | 10 |
| SJ735R1 | .30 | .07 | .30 | .030 | 100.0 | N | N | N | 70 | 70 | 1.5 | N | N | N |
| SJ735R2 | 3.00 | .30 | 7.00 | .300 | 2,000.0 | N | N | N | 70 | 100 | <1.0 | N | N | <5 |
| SJ736R | 5.00 | 5.00 | .70 | .300 | 1,500.0 | N | N | N | N | <20 | N | N | N | 50 |
| SJ737R | 10.00 | .20 | <.05 | .200 | 50.0 | 1.0 | N | N | N | 500 | 1.0 | N | N | N |
| SJ737R1 | 3.00 | 1.00 | .05 | .200 | 200.0 | N | N | N | 15 | 500 | <1.0 | N | N | N |
| SJ737R2 | 7.00 | .30 | <.05 | .300 | 30.0 | 2.0 | N | N | 30 | 1,500 | <1.0 | N | N | N |
| SJ737R3 | 15.00 | .30 | <.05 | .150 | 70.0 | 2.0 | <200 | N | 10 | 1,000 | 1.0 | N | N | N |
| SJ738R | 5.00 | 2.00 | 5.00 | .300 | 1,000.0 | N | N | N | 10 | 150 | N | N | N | 20 |
| SJ738R1 | 10.00 | 5.00 | 3.00 | .700 | 1,000.0 | 1.5 | N | N | N | 200 | N | N | N | 70 |
| SJ738R2 | 5.00 | .50 | 15.00 | .500 | 1,000.0 | N | N | N | 30 | <20 | <1.0 | N | N | 7 |
| SJ739R | 5.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 150 | <1.0 | N | N | 30 |
| SJ739R1 | 3.00 | 1.00 | 3.00 | .300 | 1,500.0 | N | N | N | 20 | 300 | <1.0 | N | N | 10 |
| SJ739R2 | 5.00 | .30 | 10.00 | .300 | 1,000.0 | N | N | N | N | <20 | N | N | N | 5 |
| SJ740R | 5.00 | 5.00 | 5.00 | .300 | 1,000.0 | N | N | N | N | 70 | N | N | N | 50 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ719R | 10 | 15 | N | N | N | <5 | N | N | 7 | N | 150 | 15 | N | 20 | N |
| SJ720R | 15 | 30 | <20 | N | N | 5 | 10 | N | 7 | N | N | N | N | 20 | N |
| SJ723R | 50 | 50 | <20 | N | N | 15 | <10 | N | 20 | N | 500 | 200 | N | 15 | N |
| SJ724R | 70 | 70 | N | N | N | 50 | <10 | N | 30 | N | 300 | 200 | N | 15 | N |
| SJ724RD | 50 | 70 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ725R | 50 | 100 | N | N | N | 20 | <10 | N | 20 | N | 300 | 200 | N | 15 | N |
| SJ725R1 | 30 | 30 | N | <5.0 | N | 10 | N | N | 5 | N | 500 | 200 | N | N | N |
| SJ725R2 | 50 | 150 | <20 | N | N | 30 | N | N | 5 | N | N | 100 | N | N | N |
| SJ725R3 | 500 | 200 | <20 | N | N | 70 | 15 | N | 30 | N | 150 | 300 | N | 10 | N |
| SJ725R4 | 20 | 10 | N | N | N | 7 | 10 | N | N | N | N | 20 | N | N | N |
| SJ726R | 70 | 70 | N | N | N | 50 | 20 | N | 30 | N | 150 | 300 | N | <10 | N |
| SJ726R1 | 30 | 30 | N | N | N | 7 | 15 | N | 20 | N | 700 | 200 | N | N | N |
| SJ727R | 100 | 70 | N | N | N | 30 | N | N | 30 | N | 200 | 200 | N | 10 | N |
| SJ727R1 | <10 | N | N | N | N | 5 | N | N | N | N | N | <10 | N | N | N |
| SJ728R | N | <5 | <20 | N | N | 7 | <10 | N | 10 | N | N | 20 | N | 20 | N |
| SJ729R | 30 | 100 | N | N | N | 20 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ729R1 | 200 | 150 | N | N | N | 50 | <10 | N | 50 | N | 300 | 500 | N | <10 | N |
| SJ730R | 150 | 150 | N | N | N | 30 | <10 | N | 50 | N | 300 | 300 | N | <10 | N |
| SJ731R | 150 | 70 | N | N | N | 20 | N | N | 30 | N | 300 | 200 | N | <10 | N |
| SJ731R1 | 200 | 100 | N | N | N | 50 | <10 | N | 70 | N | 500 | 500 | N | 10 | N |
| SJ732R | 200 | 100 | N | N | N | 50 | <10 | N | 30 | N | 300 | 300 | N | N | N |
| SJ733R | 50 | 100 | N | N | N | 20 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| SJ734R | 20 | 30 | N | N | N | 15 | N | N | 50 | N | 500 | 500 | N | 15 | N |
| SJ734R1 | 200 | 150 | N | N | N | 100 | 10 | N | 30 | N | 150 | 300 | N | 20 | N |
| SJ734R2 | 20 | 50 | <20 | N | N | 10 | <10 | N | 15 | N | 300 | 300 | N | 15 | N |
| SJ734R3 | 30 | 70 | N | N | N | 15 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| SJ734R4 | 20 | 30 | <20 | N | N | 5 | <10 | N | 20 | N | 500 | 200 | N | 20 | N |
| SJ734R5 | 150 | 100 | N | N | N | 30 | N | N | 30 | N | 150 | 300 | N | 15 | N |
| SJ734R6 | <10 | 50 | <20 | N | N | 5 | <10 | N | <5 | N | N | 70 | N | N | N |
| SJ734R7 | 50 | 70 | <20 | N | N | 15 | 10 | N | 30 | N | 150 | 300 | N | 15 | N |
| SJ735R | 30 | 30 | 20 | N | N | 15 | 20 | N | 20 | N | 1,000 | 200 | N | 30 | N |
| SJ735R1 | <10 | <5 | <20 | N | N | <5 | 30 | N | N | N | N | <10 | N | 10 | N |
| SJ735R2 | <10 | 10 | <20 | N | N | <5 | <10 | N | 5 | N | N | 70 | N | 15 | N |
| SJ736R | 200 | 100 | N | N | N | 100 | <10 | N | 30 | N | N | 300 | N | 10 | N |
| SJ737R | 10 | 700 | N | N | N | <5 | 30 | N | 15 | N | N | 10 | N | 30 | N |
| SJ737R1 | <10 | 150 | <20 | N | N | 5 | N | N | 7 | N | N | 70 | N | 20 | 700 |
| SJ737R2 | 10 | 200 | N | N | N | 5 | 50 | N | 10 | N | N | 30 | N | 20 | 500 |
| SJ737R3 | <10 | 1,000 | N | N | N | 5 | 200 | N | 15 | N | N | 150 | N | 20 | 2,000 |
| SJ738R | 20 | 150 | N | N | N | 20 | <10 | N | 30 | N | 500 | 300 | N | 15 | N |
| SJ738R1 | 70 | 150 | N | N | N | 30 | 10 | N | 30 | N | 300 | 300 | N | 30 | N |
| SJ738R2 | 100 | 30 | N | N | N | 7 | 10 | N | 50 | N | 700 | 300 | N | 20 | N |
| SJ739R | 30 | 50 | N | N | N | 15 | 10 | N | 30 | N | 300 | 300 | N | 15 | N |
| SJ739R1 | 50 | 30 | <20 | N | N | 10 | N | N | 30 | N | 100 | 200 | N | 20 | N |
| SJ739R2 | 20 | 20 | <20 | N | N | 5 | <10 | N | 30 | N | 300 | 500 | N | 10 | N |
| SJ740R | 100 | 50 | N | N | N | 50 | <10 | N | 30 | N | 700 | 300 | N | 15 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ719R | 50 | N |
| SJ720R | 70 | N |
| SJ723R | 50 | N |
| SJ724R | 50 | N |
| SJ724RD | 50 | N |
| SJ725R | 50 | N |
| SJ725R1 | <10 | N |
| SJ725R2 | <10 | N |
| SJ725R3 | 20 | N |
| SJ725R4 | <10 | N |
| SJ726R | 10 | N |
| SJ726R1 | N | N |
| SJ727R | 15 | N |
| SJ727R1 | N | N |
| SJ728R | 100 | N |
| SJ729R | 30 | N |
| SJ729R1 | 20 | N |
| SJ730R | 15 | N |
| SJ731R | <10 | N |
| SJ731R1 | 30 | N |
| SJ732R | 20 | N |
| SJ733R | 100 | N |
| SJ734R | 15 | N |
| SJ734R1 | 30 | N |
| SJ734R2 | 30 | N |
| SJ734R3 | 50 | N |
| SJ734R4 | 100 | N |
| SJ734R5 | 30 | N |
| SJ734R6 | <10 | N |
| SJ734R7 | 20 | N |
| SJ735R | 100 | N |
| SJ735R1 | 50 | N |
| SJ735R2 | 70 | N |
| SJ736R | <10 | N |
| SJ737R | 70 | N |
| SJ737R1 | 100 | N |
| SJ737R2 | 150 | N |
| SJ737R3 | 50 | N |
| SJ738R | 50 | N |
| SJ738R1 | 100 | N |
| SJ738R2 | 50 | N |
| SJ739R | 30 | N |
| SJ739R1 | 30 | N |
| SJ739R2 | 20 | N |
| SJ740R | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ740RD | 3.00 | 3.00 | 5.00 | .300 | 1,000.0 | N | N | N | N | 70 | N | N | N | 30 |
| SJ741R | 2.00 | .70 | 1.00 | .200 | 700.0 | N | N | N | N | 20 | <1.0 | N | N | N |
| SJ743R1 | 20.00 | .15 | .20 | .150 | 1,500.0 | N | N | N | N | 70 | N | N | N | N |
| SJ744R | 3.00 | 1.00 | 1.00 | .300 | 700.0 | N | N | N | N | 200 | <1.0 | N | N | <5 |
| SJ745R | 3.00 | 1.00 | .70 | .300 | 1,000.0 | N | N | N | 10 | 200 | <1.0 | N | N | 5 |
| SJ745RD | 3.00 | 1.00 | 1.00 | .300 | 700.0 | N | N | N | N | 200 | <1.0 | N | N | 7 |
| SJ746R | 2.00 | .70 | 1.50 | .150 | 700.0 | N | N | N | 10 | 70 | <1.0 | N | N | N |
| SJ746R1 | 3.00 | .20 | .15 | .200 | 300.0 | N | N | N | 300 | 700 | <1.0 | N | N | <5 |
| SJ746R2 | 20.00 | .15 | <.05 | .150 | 300.0 | N | N | N | N | 200 | <1.0 | N | N | N |
| SJ746R3 | 2.00 | .50 | .15 | .200 | 300.0 | N | N | N | 30 | 1,500 | <1.0 | N | N | N |
| SJ746R4 | 2.00 | .70 | .20 | .200 | 700.0 | N | N | N | 20 | 200 | <1.0 | N | N | N |
| 84SC001R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 200 | N | N | N | 50 |
| 84SC004R | 3.00 | 1.50 | 7.00 | .300 | 1,000.0 | N | N | N | N | 700 | <1.0 | N | N | 10 |
| 84SC006R | 7.00 | 2.00 | 3.00 | .700 | 1,000.0 | N | N | N | <10 | 700 | <1.0 | N | N | 70 |
| 84SC007R | 5.00 | 3.00 | 5.00 | .700 | 1,000.0 | N | N | N | 15 | 1,000 | <1.0 | N | N | 50 |
| 84SC013R | 5.00 | 2.00 | 3.00 | .500 | 1,500.0 | N | N | N | 15 | 20 | N | N | N | 20 |
| 84SC022R | 5.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | 10 | 500 | N | N | N | 50 |
| 84SC023R | 7.00 | 5.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 70 |
| 84SC034R | 2.00 | 1.00 | 20.00 | .200 | 1,500.0 | N | N | N | N | 150 | N | N | N | 10 |
| 84SC035R | 5.00 | 1.50 | 3.00 | .500 | 1,500.0 | N | N | N | N | 150 | N | N | N | 20 |
| 84SC036R | 5.00 | 1.00 | 3.00 | .500 | 1,500.0 | N | N | N | <10 | 700 | N | N | N | 10 |
| 84SC037R | 3.00 | 2.00 | 10.00 | .500 | 1,000.0 | N | N | N | N | 500 | <1.0 | N | N | 10 |
| 84SC038R | 5.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | N | 300 | N | N | N | 10 |
| 84SC040R | 3.00 | 2.00 | 7.00 | .500 | 1,000.0 | N | N | N | 10 | 500 | <1.0 | N | N | 10 |
| 84SC046R | 5.00 | 2.00 | 1.00 | .500 | 1,000.0 | N | N | N | 20 | 1,000 | <1.0 | N | N | 15 |
| 84SC048R | 3.00 | 1.00 | .70 | .500 | 500.0 | N | N | N | 50 | 500 | <1.0 | N | N | 10 |
| 84SC054R | 3.00 | 1.00 | 15.00 | .300 | 700.0 | N | N | N | 30 | 500 | N | N | N | 10 |
| 84SC058R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 700 | N | N | N | 20 |
| 84SC060R | 5.00 | 1.50 | 1.50 | .300 | 2,000.0 | N | N | N | 15 | 1,000 | <1.0 | N | N | 10 |
| 84SC063R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 700 | N | N | N | 15 |
| 84SC065R | 3.00 | .70 | 1.00 | .300 | 700.0 | N | N | N | 10 | 1,000 | N | N | N | 7 |
| 84SC067R | 3.00 | .70 | 15.00 | .200 | 1,000.0 | .5 | N | N | 50 | 500 | <1.0 | N | N | 10 |
| 84SC144R | 5.00 | 3.00 | 10.00 | .700 | 1,000.0 | N | N | N | N | 70 | N | N | N | 70 |
| 84SC145R | 7.00 | 1.00 | 1.00 | .500 | 700.0 | N | N | N | 50 | 500 | <1.0 | N | N | 50 |
| 84SC146R | 7.00 | 1.50 | 10.00 | .500 | 1,500.0 | N | N | N | 50 | <20 | N | N | N | 10 |
| 84SC147R | 5.00 | 2.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 700 | <1.0 | N | N | 20 |
| 84SC148R | 7.00 | 5.00 | 7.00 | .700 | 1,500.0 | N | N | N | N | 500 | N | N | N | 70 |
| 84SC149R | 2.00 | .70 | 3.00 | .300 | 1,000.0 | N | N | N | N | 1,000 | 1.0 | N | N | 5 |
| 84SC150R | 3.00 | 2.00 | 5.00 | .500 | 1,000.0 | <.5 | N | N | 10 | 200 | N | N | N | 7 |
| 84SC151R | 7.00 | 2.00 | 7.00 | .700 | 1,500.0 | N | N | N | N | 200 | <1.0 | N | N | 30 |
| 84SC152R | .70 | .05 | .07 | .003 | 100.0 | N | N | N | N | 500 | N | N | N | N |
| 84SC153R | 2.00 | .30 | 3.00 | .070 | 300.0 | N | N | N | 10 | 100 | 1.0 | N | N | <5 |
| 84SC155R | 5.00 | 2.00 | 7.00 | .300 | 700.0 | N | N | N | N | 700 | N | N | N | 10 |
| 84SC156R | 5.00 | 2.00 | 10.00 | .500 | 700.0 | N | N | N | 70 | 700 | N | N | N | 20 |
| 84SC157R | .50 | .05 | .30 | .050 | 100.0 | N | N | N | N | 200 | 2.0 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ740RD | 70 | 50 | N | N | N | 30 | <10 | N | 30 | N | 500 | 300 | N | 10 | N |
| SJ741R | N | <5 | <20 | N | N | <5 | N | N | 10 | N | 150 | <10 | N | 20 | N |
| SJ743R1 | 100 | 300 | N | 15.0 | N | 10 | 15 | N | 30 | N | N | 200 | N | 20 | N |
| SJ744R | <10 | <5 | N | N | N | 5 | N | N | 10 | N | <100 | 70 | N | 15 | N |
| SJ745R | 10 | <5 | <20 | N | N | 5 | N | N | 10 | N | <100 | 70 | N | 20 | N |
| SJ745RD | <10 | <5 | N | N | N | 5 | <10 | N | 10 | N | 150 | 70 | N | 15 | N |
| SJ746R | <10 | 7 | N | N | N | <5 | <10 | N | 5 | N | N | 50 | N | 15 | N |
| SJ746R1 | 10 | <5 | <20 | N | N | <5 | <10 | N | 7 | N | N | 30 | N | 20 | N |
| SJ746R2 | 15 | 20 | N | N | N | 7 | 30 | N | 10 | N | N | 100 | N | 20 | N |
| SJ746R3 | 10 | 5 | <20 | N | N | <5 | <10 | N | 5 | N | N | 30 | N | 20 | N |
| SJ746R4 | <10 | 5 | <20 | N | N | <5 | N | N | 7 | N | N | 30 | N | 20 | N |
| 84SC001R | 20 | 100 | N | N | N | 7 | 15 | N | 30 | N | 700 | 300 | N | 20 | <200 |
| 84SC004R | 20 | 50 | <20 | N | N | 10 | <10 | N | 20 | N | 700 | 150 | N | 20 | N |
| 84SC006R | 30 | 500 | <20 | N | N | 30 | 20 | N | 20 | N | 1,000 | 300 | N | 20 | N |
| 84SC007R | 50 | 150 | 20 | N | N | 30 | 20 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| 84SC013R | 30 | 70 | <20 | N | N | 10 | <10 | N | 30 | N | 500 | 300 | N | 30 | <200 |
| 84SC022R | 10 | 150 | N | N | N | 20 | 10 | N | 30 | N | 300 | 300 | N | 20 | N |
| 84SC023R | 200 | 100 | N | N | N | 100 | <10 | N | 30 | N | 200 | 300 | N | 20 | N |
| 84SC034R | 30 | 30 | <20 | N | N | 20 | <10 | N | 5 | N | 500 | 70 | N | 15 | N |
| 84SC035R | <10 | 30 | <20 | N | N | 5 | 10 | N | 20 | N | 700 | 300 | N | 20 | <200 |
| 84SC036R | <10 | 20 | N | N | N | <5 | 10 | N | 15 | N | 300 | 300 | N | 20 | N |
| 84SC037R | 30 | 150 | N | N | N | 20 | 10 | N | 15 | N | 700 | 200 | N | 20 | N |
| 84SC038R | 10 | 70 | N | N | N | 5 | 15 | N | 20 | N | 1,500 | 200 | N | 10 | N |
| 84SC040R | 50 | 70 | <20 | N | N | 30 | 20 | N | 15 | N | 1,000 | 200 | N | 20 | N |
| 84SC046R | 150 | 100 | <20 | N | N | 70 | 10 | N | 20 | N | 700 | 300 | N | 20 | <200 |
| 84SC048R | 70 | 70 | N | N | N | 50 | <10 | N | 15 | N | 150 | 200 | N | 20 | <200 |
| 84SC054R | 100 | 70 | <20 | N | N | 30 | <10 | N | 15 | N | 300 | 150 | N | 15 | N |
| 84SC058R | 15 | 100 | N | N | N | 10 | <10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| 84SC060R | 20 | 30 | N | N | N | 10 | 10 | N | 15 | N | 700 | 150 | N | 20 | N |
| 84SC063R | 20 | 100 | N | N | N | 10 | <10 | N | 20 | N | 700 | 200 | N | 15 | N |
| 84SC065R | <10 | 50 | <20 | N | N | 5 | <10 | N | 15 | N | 300 | 150 | N | 20 | N |
| 84SC067R | 20 | 30 | <20 | N | N | 15 | <10 | N | 10 | N | 500 | 70 | N | 20 | N |
| 84SC144R | 700 | 100 | <20 | N | N | 200 | <10 | N | 30 | N | 500 | 300 | N | 20 | <200 |
| 84SC145R | 20 | 200 | <20 | N | N | 10 | 15 | N | 30 | N | 300 | 300 | N | 20 | N |
| 84SC146R | <10 | 30 | N | N | N | 5 | 10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| 84SC147R | 15 | 100 | N | N | N | 7 | 10 | N | 30 | N | 1,500 | 300 | N | 15 | N |
| 84SC148R | 200 | 300 | <20 | N | N | 70 | 10 | N | 50 | N | 500 | 500 | N | 15 | N |
| 84SC149R | <10 | 30 | <20 | N | N | <5 | <10 | N | 10 | N | 500 | 50 | N | 20 | N |
| 84SC150R | 15 | 200 | N | N | N | <5 | 10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC151R | 20 | 70 | N | N | N | 7 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| 84SC152R | <10 | 5 | <20 | N | N | <5 | <10 | N | N | N | N | 10 | N | N | N |
| 84SC153R | 20 | 150 | N | N | N | 7 | <10 | N | <5 | N | N | 30 | N | N | N |
| 84SC155R | 100 | 100 | N | N | N | 70 | <10 | N | 15 | N | 700 | 150 | N | 15 | N |
| 84SC156R | 100 | 100 | N | N | N | 70 | 10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC157R | <10 | 7 | <20 | N | N | <5 | 15 | N | N | N | N | 15 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| SJ740RD | 20 | N |
| SJ741R | 30 | N |
| SJ743R1 | <10 | N |
| SJ744R | 50 | N |
| SJ745R | 70 | N |
| SJ745RD | 70 | N |
| SJ746R | 50 | N |
| SJ746R1 | 100 | N |
| SJ746R2 | 50 | N |
| SJ746R3 | 70 | N |
| SJ746R4 | 100 | N |
| 84SC001R | 30 | N |
| 84SC004R | 20 | N |
| 84SC006R | 10 | N |
| 84SC007R | 30 | N |
| 84SC013R | 50 | N |
| 84SC022R | 30 | N |
| 84SC023R | 30 | N |
| 84SC034R | 30 | N |
| 84SC035R | 30 | N |
| 84SC036R | 30 | N |
| 84SC037R | 50 | N |
| 84SC038R | 30 | N |
| 84SC040R | 100 | N |
| 84SC046R | 50 | N |
| 84SC048R | 30 | N |
| 84SC054R | 20 | N |
| 84SC058R | 30 | N |
| 84SC060R | 30 | N |
| 84SC063R | 30 | N |
| 84SC065R | 30 | N |
| 84SC067R | 30 | N |
| 84SC144R | 30 | N |
| 84SC145R | 30 | N |
| 84SC146R | 30 | N |
| 84SC147R | 30 | N |
| 84SC148R | 30 | N |
| 84SC149R | 100 | N |
| 84SC150R | 20 | N |
| 84SC151R | 30 | N |
| 84SC152R | N | N |
| 84SC153R | <10 | N |
| 84SC155R | 30 | N |
| 84SC156R | 50 | N |
| 84SC157R | 50 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC200R | 5.00 | 3.00 | 1.50 | .300 | 1,000.0 | N | N | N | 50 | 1,500 | <1.0 | N | N | 10 |
| 84SC201R | .70 | .30 | 3.00 | .070 | 700.0 | .7 | N | N | 20 | 200 | N | N | N | <5 |
| 84SC202R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | 50 | 500 | N | N | N | 20 |
| 84SC203R | 7.00 | 3.00 | 3.00 | .700 | 1,500.0 | N | N | N | 30 | 1,000 | N | N | N | 15 |
| 84SC204R | 2.00 | 1.00 | 2.00 | .300 | 1,000.0 | .5 | N | N | 20 | 1,000 | <1.0 | N | N | 10 |
| 84SC205R | 3.00 | .70 | 2.00 | .200 | 1,000.0 | N | N | N | 50 | 1,000 | <1.0 | N | N | 10 |
| 84SC206R | 5.00 | 3.00 | 7.00 | .700 | 1,000.0 | N | N | N | 20 | 1,000 | N | N | N | 15 |
| 84SC208R | 3.00 | 1.50 | 10.00 | .300 | 1,000.0 | <.5 | N | N | 15 | 1,000 | <1.0 | N | N | 10 |
| 84SC209R | 5.00 | 3.00 | 10.00 | .500 | 1,000.0 | N | N | N | 70 | 700 | N | N | N | 15 |
| 84SC210R | 5.00 | 3.00 | 1.50 | .700 | 1,000.0 | N | N | N | 70 | 700 | N | N | N | 20 |
| 84SC211R | 5.00 | 1.50 | 20.00 | .300 | 1,500.0 | N | N | N | 10 | 1,000 | N | N | N | 10 |
| 84SC212R | 5.00 | 2.00 | 5.00 | .300 | 1,000.0 | 3.0 | N | N | 20 | 500 | N | N | N | 15 |
| 84SC213R | 3.00 | 1.50 | 10.00 | .300 | 700.0 | <.5 | N | N | 30 | 500 | N | N | N | 10 |
| 84SC215R | 3.00 | 2.00 | 7.00 | .300 | 1,000.0 | N | N | N | 10 | 1,000 | N | N | N | 10 |
| 84SC216R | 3.00 | 2.00 | 7.00 | .300 | 700.0 | N | N | N | N | 1,000 | <1.0 | N | N | 7 |
| 84SC218R | 5.00 | 1.50 | 10.00 | .300 | 1,000.0 | N | N | N | <10 | 700 | N | N | N | 15 |
| 84SC219R | .70 | .20 | 7.00 | .015 | 500.0 | N | N | N | <10 | 300 | N | N | N | N |
| 84SC220R | 3.00 | .70 | .15 | .300 | 300.0 | N | N | N | 20 | 1,000 | <1.0 | N | N | <5 |
| 84SC223R | 3.00 | 1.50 | .70 | .300 | 700.0 | N | N | N | 15 | 1,000 | <1.0 | N | N | 10 |
| 84SC224R | 2.00 | .70 | 1.00 | .200 | 1,000.0 | .5 | N | N | 15 | 700 | <1.0 | N | N | 7 |
| 84SC225R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 700 | N | N | N | 10 |
| 84SC226R | 5.00 | 2.00 | 2.00 | .500 | 1,500.0 | N | N | N | 10 | 1,000 | N | N | N | 20 |
| 84SC227R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 1,000 | N | N | N | 15 |
| 84SC228R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | 15 | 700 | N | N | N | 15 |
| 84SC229R | 5.00 | 1.50 | 15.00 | .300 | 1,500.0 | .5 | N | N | 20 | 700 | N | N | N | 15 |
| 84SC230R | 5.00 | 1.50 | 5.00 | .500 | 1,000.0 | N | N | N | N | 1,000 | <1.0 | N | N | 15 |
| 84SC231R | .20 | .10 | .15 | .010 | 100.0 | N | N | N | 10 | 50 | N | N | N | <5 |
| 84SC235R | 7.00 | 7.00 | 5.00 | .500 | 700.0 | N | N | N | <10 | 1,000 | <1.0 | N | N | 15 |
| 84SC237R | 3.00 | 1.00 | 2.00 | .500 | 1,000.0 | N | N | N | <10 | 1,500 | 1.0 | N | N | 7 |
| 84SC238R | 7.00 | 3.00 | 3.00 | .700 | 1,000.0 | N | N | N | 15 | 1,000 | <1.0 | N | N | 30 |
| 84SC240R | 7.00 | 2.00 | 2.00 | .700 | 1,000.0 | N | N | N | 15 | 2,000 | <1.0 | N | N | 20 |
| 84SC242R | 7.00 | 1.00 | 7.00 | .500 | 700.0 | N | N | N | 50 | 1,000 | N | N | N | 20 |
| 84SC243R | 3.00 | 1.00 | 5.00 | .300 | 500.0 | N | N | N | 15 | 300 | N | N | N | 10 |
| 84SC245R | .05 | .02 | .20 | .002 | 10.0 | N | N | N | N | <20 | N | N | N | N |
| 84SC247R | 3.00 | 1.00 | 2.00 | .500 | 1,000.0 | N | N | N | N | 1,000 | <1.0 | N | N | 10 |
| 84SC248R | 3.00 | 1.00 | 1.50 | .500 | 500.0 | <.5 | N | N | N | 1,500 | <1.0 | N | N | 10 |
| 84SC249R | 3.00 | 1.50 | 10.00 | .300 | 1,000.0 | N | N | N | N | 300 | N | N | N | 7 |
| 84SC251R | 7.00 | 2.00 | 5.00 | .700 | 1,000.0 | N | N | N | 10 | 1,500 | <1.0 | N | N | 15 |
| 84SC252R | 5.00 | 1.00 | 3.00 | .700 | 1,000.0 | N | N | N | 10 | 1,500 | <1.0 | N | N | 15 |
| 84SC254R | 3.00 | 1.00 | 1.50 | .500 | 1,000.0 | N | N | N | 20 | 2,000 | <1.0 | N | N | 10 |
| 84SC255R | 3.00 | 1.00 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 1,500 | <1.0 | N | N | 10 |
| 84SC256R | 5.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | 20 | 3,000 | <1.0 | N | N | 15 |
| 84SC257R | 3.00 | 1.00 | 1.50 | .300 | 700.0 | N | N | N | 20 | 1,500 | <1.0 | N | N | 7 |
| 84SC258R | 5.00 | 1.00 | 1.00 | .500 | 700.0 | N | N | N | 15 | 2,000 | <1.0 | N | N | 10 |
| 84SC259R | 3.00 | 1.00 | 10.00 | .300 | 1,000.0 | N | N | N | 15 | 200 | N | N | N | 10 |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC200R | 30 | 100 | <20 | N | N | 50 | 10 | N | 10 | N | 500 | 150 | N | 15 | N |
| 84SC201R | <10 | 20 | N | N | N | 15 | <10 | N | N | N | 150 | 30 | N | N | N |
| 84SC202R | 20 | 50 | N | N | N | 30 | <10 | N | 30 | N | 700 | 300 | N | 20 | N |
| 84SC203R | 50 | 20 | <20 | N | N | 30 | <10 | N | 20 | N | 1,000 | 300 | N | 20 | N |
| 84SC204R | 70 | 70 | <20 | N | N | 50 | <10 | N | 7 | N | 500 | 100 | N | 10 | N |
| 84SC205R | 50 | 50 | <20 | N | N | 70 | 10 | N | 5 | N | <100 | 70 | N | 10 | N |
| 84SC206R | 70 | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 1,000 | 300 | N | 15 | N |
| 84SC208R | 150 | 30 | <20 | N | N | 30 | <10 | N | 15 | N | 700 | 150 | N | 10 | N |
| 84SC209R | 100 | 100 | N | N | N | 50 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC210R | 100 | 100 | N | N | N | 50 | 10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC211R | 150 | 50 | <20 | N | N | 150 | <10 | N | 10 | N | 700 | 100 | N | 15 | N |
| 84SC212R | 20 | 70 | N | N | N | 10 | <10 | N | 30 | N | 500 | 300 | N | 10 | N |
| 84SC213R | 100 | 70 | <20 | N | N | 30 | <10 | N | 20 | N | 500 | 200 | N | 10 | N |
| 84SC215R | 100 | 100 | N | N | N | 50 | 10 | N | 20 | N | 500 | 300 | N | 15 | N |
| 84SC216R | 200 | 70 | <20 | N | N | 150 | <10 | N | 20 | N | 300 | 300 | N | <10 | N |
| 84SC218R | 50 | 50 | N | N | N | 100 | 10 | N | 10 | N | 500 | 200 | N | 20 | N |
| 84SC219R | 10 | 5 | <20 | N | N | <5 | N | N | N | N | 300 | 20 | N | N | N |
| 84SC220R | 70 | 70 | <20 | N | N | 20 | N | N | 7 | N | 150 | 150 | N | N | N |
| 84SC223R | 100 | 100 | <20 | N | N | 150 | <10 | N | 7 | N | 300 | 150 | N | <10 | N |
| 84SC224R | 20 | 50 | N | N | N | 50 | <10 | N | 5 | N | 150 | 70 | N | N | N |
| 84SC225R | 200 | 100 | N | N | N | 100 | <10 | N | 20 | N | 500 | 200 | N | 15 | N |
| 84SC226R | 100 | 100 | N | N | N | 50 | 10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC227R | 150 | 70 | N | N | N | 50 | <10 | N | 20 | N | 500 | 300 | N | 15 | N |
| 84SC228R | <10 | 70 | N | N | N | <5 | <10 | N | 30 | N | 700 | 300 | N | 10 | N |
| 84SC229R | 70 | 100 | N | N | N | 30 | <10 | N | 15 | N | 500 | 150 | N | 15 | N |
| 84SC230R | 15 | 150 | <20 | N | N | 15 | <10 | N | 15 | N | 700 | 200 | N | 15 | N |
| 84SC231R | 20 | 7 | <20 | N | N | 5 | N | N | N | N | N | 15 | N | N | N |
| 84SC235R | 700 | 150 | <20 | N | N | 300 | 5 | N | 20 | N | 1,000 | 200 | N | 20 | N |
| 84SC237R | 20 | 70 | 20 | N | N | 10 | <10 | N | 10 | N | 700 | 150 | N | 20 | N |
| 84SC238R | 20 | 200 | <20 | N | N | 10 | <10 | N | 30 | N | 700 | 300 | N | 30 | N |
| 84SC240R | 20 | 100 | <20 | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 30 | N |
| 84SC242R | 100 | 100 | <20 | N | N | 50 | <10 | N | 30 | N | 500 | 200 | N | 20 | N |
| 84SC243R | 70 | 50 | N | N | N | 30 | <10 | N | 15 | N | 200 | 100 | N | <10 | N |
| 84SC245R | <10 | N | N | N | N | 5 | N | N | N | N | N | <10 | N | N | N |
| 84SC247R | 10 | 100 | 20 | N | N | 7 | N | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC248R | 100 | 100 | <20 | N | N | 70 | N | N | 15 | N | 500 | 200 | N | 20 | N |
| 84SC249R | 200 | 70 | N | N | N | 50 | N | N | 15 | N | 300 | 300 | N | 15 | <200 |
| 84SC251R | 30 | 70 | <20 | N | N | 10 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC252R | <10 | 100 | 20 | N | N | 7 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC254R | 20 | 100 | 20 | N | N | 15 | <10 | N | 20 | N | 500 | 200 | N | 15 | N |
| 84SC255R | 10 | 70 | <20 | N | N | 10 | <10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC256R | 100 | 100 | N | N | N | 100 | 10 | N | 20 | N | 500 | 150 | N | 20 | N |
| 84SC257R | 20 | 30 | N | N | N | 10 | <10 | N | N | N | 700 | 100 | N | 15 | N |
| 84SC258R | 20 | 70 | <20 | N | N | 10 | <10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC259R | 50 | 50 | N | N | N | 20 | <10 | N | 10 | N | 300 | 150 | N | 15 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| 84SC200R | 100 | N |
| 84SC201R | <10 | N |
| 84SC202R | 20 | N |
| 84SC203R | 70 | N |
| 84SC204R | 30 | N |
| 84SC205R | 20 | N |
| 84SC206R | 50 | N |
| 84SC208R | 10 | N |
| 84SC209R | 30 | N |
| 84SC210R | 30 | N |
| 84SC211R | 30 | N |
| 84SC212R | 30 | N |
| 84SC213R | 30 | N |
| 84SC215R | 30 | N |
| 84SC216R | 50 | N |
| 84SC218R | 50 | N |
| 84SC219R | 30 | N |
| 84SC220R | 30 | N |
| 84SC223R | 50 | N |
| 84SC224R | 20 | N |
| 84SC225R | 30 | N |
| 84SC226R | 30 | N |
| 84SC227R | 30 | N |
| 84SC228R | 30 | N |
| 84SC229R | 20 | N |
| 84SC230R | 30 | N |
| 84SC231R | <10 | N |
| 84SC235R | 100 | N |
| 84SC237R | 150 | N |
| 84SC238R | 150 | N |
| 84SC240R | 150 | N |
| 84SC242R | 50 | N |
| 84SC243R | 10 | N |
| 84SC245R | <10 | N |
| 84SC247R | 150 | N |
| 84SC248R | 150 | N |
| 84SC249R | 30 | N |
| 84SC251R | 50 | N |
| 84SC252R | 150 | N |
| 84SC254R | 150 | N |
| 84SC255R | 150 | N |
| 84SC256R | 150 | N |
| 84SC257R | 100 | N |
| 84SC258R | 100 | N |
| 84SC259R | 30 | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC260R | 5.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | 20 | 200 | <1.0 | N | N | 10 |
| 84SC261R | .70 | 1.50 | 20.00 | .030 | 300.0 | N | N | N | N | 500 | N | N | N | N |
| 84SC262R | 5.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | 30 | 200 | N | N | N | 10 |
| 84SC264R | 5.00 | 1.00 | 1.50 | .500 | 500.0 | N | N | N | 10 | 1,500 | N | N | N | 7 |
| 84SC265R | 5.00 | 5.00 | 3.00 | .500 | 1,000.0 | N | N | N | 10 | 700 | <1.0 | N | N | 50 |
| 84SC266R | .20 | .70 | 20.00 | .020 | 20.0 | N | N | N | N | N | N | N | N | N |
| 84SC267R | .07 | .50 | 20.00 | .015 | 30.0 | N | N | N | N | N | N | N | N | N |
| 84SC277R | .15 | .70 | 20.00 | .015 | 50.0 | N | N | N | N | N | N | N | N | N |
| 84SC285R | 2.00 | 1.00 | .70 | .300 | 300.0 | N | N | N | 10 | 500 | <1.0 | N | N | 10 |
| 84SC286R | 3.00 | 1.50 | 1.50 | .500 | 300.0 | <.5 | N | N | 10 | 2,000 | 1.0 | N | N | <5 |
| 84SC287R | 5.00 | 1.50 | 15.00 | .300 | 1,500.0 | N | N | N | 30 | 300 | N | N | N | 10 |
| 84SC288R | 5.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | 30 | 700 | <1.0 | N | N | 10 |
| 84SC289R | 7.00 | 2.00 | 3.00 | .700 | 1,000.0 | N | N | N | 15 | 1,000 | N | N | N | 15 |
| 84SC290R | 7.00 | 3.00 | 3.00 | .700 | 1,000.0 | N | N | N | 15 | 1,500 | N | N | N | 30 |
| 84SC291R | 5.00 | 1.50 | 2.00 | .700 | 700.0 | N | N | N | 15 | 2,000 | N | N | N | 15 |
| 84SC292R | 5.00 | 1.50 | 2.00 | .500 | 1,000.0 | N | N | N | 10 | 2,000 | N | N | N | 15 |
| 84SC293R | 5.00 | 1.50 | 3.00 | .700 | 1,000.0 | N | N | N | 15 | 1,500 | N | N | N | 15 |
| 84SC294R | 7.00 | 2.00 | 3.00 | 1.000 | 1,000.0 | N | N | N | 10 | 2,000 | N | N | N | 20 |
| 84SC295R | 5.00 | 1.00 | 3.00 | .500 | 1,500.0 | N | N | N | 10 | 2,000 | <1.0 | N | N | 7 |
| 84SC296R | 5.00 | 1.00 | 3.00 | .500 | 1,000.0 | N | N | N | 30 | 500 | N | N | N | 10 |
| 84SC297R | 3.00 | 1.00 | 7.00 | .300 | 1,000.0 | <.5 | N | N | 15 | 1,000 | N | N | N | 10 |
| 84SC298R | 1.50 | .70 | 7.00 | .070 | 1,000.0 | .5 | N | N | 15 | 300 | N | N | N | <5 |
| 84SC299R | 10.00 | 1.50 | 3.00 | .500 | 1,000.0 | N | N | N | 15 | 500 | N | N | N | 15 |
| 84SC500R | 7.00 | 1.50 | 10.00 | .500 | 1,500.0 | N | N | N | 30 | <20 | N | N | N | 10 |
| 84SC501R | 7.00 | 3.00 | 3.00 | .500 | 1,500.0 | N | N | N | 15 | N | <1.0 | N | N | 30 |
| 84SC502R | 7.00 | 5.00 | 5.00 | .500 | 1,500.0 | N | N | N | 15 | 200 | N | N | N | 70 |
| 84SC504R | 5.00 | 1.00 | 7.00 | .300 | 1,500.0 | N | N | N | 20 | 150 | N | N | N | 10 |
| 84SC505R | 2.00 | .70 | >20.00 | .150 | 1,000.0 | N | N | N | N | 150 | N | N | N | 5 |
| 84SC506R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | 20 | 100 | N | N | N | 50 |
| 84SC507R | 5.00 | 3.00 | 5.00 | .500 | 1,000.0 | N | N | N | 20 | 200 | N | N | N | 15 |
| 84SC508R | 5.00 | .30 | 15.00 | .300 | 1,000.0 | N | N | N | N | <20 | N | N | N | <5 |
| 84SC509R | 7.00 | 5.00 | 7.00 | .500 | 1,500.0 | N | N | N | N | 500 | N | N | N | 30 |
| 84SC510R | 1.00 | .30 | .70 | .070 | 300.0 | N | N | N | N | <20 | N | N | N | N |
| 84SC511R | 1.50 | .20 | 1.50 | .070 | 150.0 | 1.5 | N | N | N | 20 | N | N | N | 10 |
| 84SC512R | 7.00 | 3.00 | 5.00 | .700 | 1,500.0 | N | N | N | 70 | 1,000 | N | N | N | 30 |
| 84SC513R | 2.00 | 1.00 | 7.00 | .200 | 1,500.0 | <.5 | N | N | 20 | 700 | <1.0 | N | N | 10 |
| 84SC514R | 5.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | 15 | 300 | <1.0 | N | N | 10 |
| 84SC515R | 3.00 | .70 | .10 | .300 | 2,000.0 | N | N | N | 20 | 300 | 1.0 | N | N | 70 |
| 84SC516R | 7.00 | 3.00 | 5.00 | .500 | 1,000.0 | N | N | N | 70 | 500 | <1.0 | N | N | 20 |
| 84SC517R | 3.00 | 2.00 | 20.00 | .200 | 700.0 | N | N | N | 50 | 300 | <1.0 | N | N | 7 |
| 84SC518R | 5.00 | 2.00 | 3.00 | .500 | 1,000.0 | N | N | N | 15 | 1,000 | N | N | N | 15 |
| 84SC519R | .05 | .03 | .05 | <.002 | <10.0 | N | N | N | 10 | 150 | N | N | N | N |
| 84SC520R | 5.00 | 3.00 | 1.50 | .500 | 1,000.0 | N | N | N | N | 1,500 | N | N | N | 15 |
| 84SC521R | 3.00 | 1.00 | 1.50 | .300 | 1,000.0 | N | N | N | 30 | 1,000 | <1.0 | N | N | 7 |
| 84SC522R | 1.50 | .10 | 3.00 | .050 | 700.0 | N | N | N | 10 | N | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC260R | 30 | 50 | N | N | N | 15 | <10 | N | 15 | N | 300 | 200 | N | 20 | N |
| 84SC261R | 20 | 10 | N | N | N | N | N | N | N | N | 1,000 | 15 | N | N | N |
| 84SC262R | 10 | 20 | N | N | N | 5 | <10 | N | 20 | N | 300 | 200 | N | 20 | N |
| 84SC264R | <10 | 50 | N | N | N | 5 | <10 | N | 20 | N | 700 | 200 | N | 30 | N |
| 84SC265R | 500 | 150 | N | N | N | 200 | <10 | N | 30 | N | 500 | 200 | N | 20 | N |
| 84SC266R | N | <5 | N | N | N | N | N | N | N | N | 700 | <10 | N | N | N |
| 84SC267R | N | <5 | N | N | N | N | N | N | N | N | 150 | <10 | N | N | N |
| 84SC277R | <10 | <5 | N | N | N | N | N | N | N | N | 500 | <10 | N | N | N |
| 84SC285R | 200 | 30 | <20 | N | N | 100 | <10 | N | 7 | N | 150 | 100 | N | N | <200 |
| 84SC286R | 50 | 20 | <20 | N | N | 30 | 10 | N | 15 | N | 500 | 200 | N | 20 | N |
| 84SC287R | 70 | 50 | N | N | N | 50 | <10 | N | 20 | N | 300 | 150 | N | 20 | N |
| 84SC288R | 30 | 100 | N | N | N | 30 | <10 | N | 20 | N | 300 | 200 | N | 20 | N |
| 84SC289R | 20 | 100 | N | N | N | 20 | 10 | N | 30 | N | 500 | 300 | N | 30 | N |
| 84SC290R | 200 | 150 | N | N | N | 50 | <10 | N | 30 | N | 500 | 300 | N | 20 | N |
| 84SC291R | <10 | 100 | <20 | N | N | 10 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC292R | 20 | 70 | <20 | N | N | 7 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC293R | 20 | 100 | <20 | N | N | 10 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| 84SC294R | 20 | 100 | <20 | N | N | 20 | <10 | N | 30 | N | 700 | 300 | N | 30 | N |
| 84SC295R | 15 | 100 | <20 | N | N | 10 | <10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC296R | <10 | 150 | <20 | N | N | 5 | <10 | N | 15 | N | 500 | 300 | N | 20 | N |
| 84SC297R | 200 | 50 | N | N | N | 100 | 10 | N | 10 | N | 1,000 | 150 | N | 15 | N |
| 84SC298R | 30 | 30 | N | N | N | 30 | N | N | <5 | N | 2 | 50 | N | N | N |
| 84SC299R | 30 | 50 | N | N | N | 10 | <10 | N | 20 | N | 1,000 | 300 | N | 20 | N |
| 84SC500R | 10 | 20 | N | N | N | 7 | 10 | N | 30 | N | 1,500 | 300 | N | 20 | N |
| 84SC501R | 200 | 100 | N | N | N | 150 | 10 | N | 30 | N | 300 | 300 | N | 20 | <200 |
| 84SC502R | 700 | 30 | N | N | N | 200 | 10 | N | 50 | N | 300 | 300 | N | 20 | N |
| 84SC504R | N | 30 | <20 | N | N | 5 | 10 | N | 20 | N | 500 | 150 | N | 20 | N |
| 84SC505R | N | 15 | <20 | N | N | 5 | N | N | 5 | N | 500 | 50 | N | 10 | N |
| 84SC506R | 150 | 150 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| 84SC507R | 100 | 100 | N | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 20 | N |
| 84SC508R | 10 | 50 | N | N | N | <5 | 10 | N | 20 | N | 2,000 | 200 | N | 15 | N |
| 84SC509R | 200 | 100 | N | N | N | 50 | 10 | N | 30 | N | 500 | 300 | N | 20 | N |
| 84SC510R | <10 | 20 | N | N | N | 10 | 15 | N | N | N | <100 | 50 | N | N | N |
| 84SC511R | 20 | 100 | <20 | 70.0 | N | 100 | N | N | <5 | N | 200 | 500 | N | 10 | N |
| 84SC512R | 100 | 70 | N | N | N | 20 | <10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| 84SC513R | 70 | 70 | <20 | N | N | 70 | <10 | N | 7 | N | 300 | 150 | N | <10 | N |
| 84SC514R | 20 | 20 | <20 | N | N | 10 | <10 | N | 10 | N | 500 | 150 | N | 15 | N |
| 84SC515R | 50 | 100 | <20 | N | N | 70 | 10 | N | 7 | N | N | 100 | N | 15 | N |
| 84SC516R | 70 | 100 | N | N | N | 50 | <10 | N | 20 | N | 300 | 300 | N | 20 | N |
| 84SC517R | 50 | 50 | <20 | N | N | 20 | <10 | N | 10 | N | 150 | 150 | N | 10 | N |
| 84SC518R | 50 | 70 | N | N | N | 20 | <10 | N | 20 | N | 700 | 300 | N | 20 | N |
| 84SC519R | 10 | <5 | N | N | N | 5 | N | N | N | N | N | <10 | N | N | N |
| 84SC520R | 500 | 70 | N | N | N | 70 | <10 | N | 30 | N | 1,000 | 300 | N | 20 | N |
| 84SC521R | 15 | 30 | N | N | N | 500 | N | N | 7 | N | 700 | 70 | N | 15 | N |
| 84SC522R | N | <5 | N | N | N | <5 | N | N | N | N | 150 | 200 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| 84SC260R | 30 | N |
| 84SC261R | N | N |
| 84SC262R | 50 | N |
| 84SC264R | 70 | N |
| 84SC265R | 70 | N |
| 84SC266R | N | N |
| 84SC267R | N | N |
| 84SC277R | N | N |
| 84SC285R | 50 | N |
| 84SC286R | 150 | N |
| 84SC287R | 30 | N |
| 84SC288R | 50 | N |
| 84SC289R | 100 | N |
| 84SC290R | 100 | N |
| 84SC291R | 150 | N |
| 84SC292R | 150 | N |
| 84SC293R | 150 | N |
| 84SC294R | 150 | N |
| 84SC295R | 200 | N |
| 84SC296R | 150 | N |
| 84SC297R | 70 | N |
| 84SC298R | 10 | N |
| 84SC299R | 20 | N |
| 84SC500R | 15 | N |
| 84SC501R | 30 | N |
| 84SC502R | 20 | N |
| 84SC504R | 30 | N |
| 84SC505R | 10 | N |
| 84SC506R | 30 | N |
| 84SC507R | 30 | N |
| 84SC508R | 20 | N |
| 84SC509R | 30 | N |
| 84SC510R | 10 | N |
| 84SC511R | 20 | N |
| 84SC512R | 50 | N |
| 84SC513R | 20 | N |
| 84SC514R | 100 | N |
| 84SC515R | 30 | N |
| 84SC516R | 50 | N |
| 84SC517R | 15 | N |
| 84SC518R | 30 | N |
| 84SC519R | N | N |
| 84SC520R | 50 | N |
| 84SC521R | 50 | N |
| 84SC522R | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Bi-ppm s | Cd-ppm s | Co-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC523R | 3.00 | 1.00 | 2.00 | .300 | 1,000.0 | N | N | N | <10 | 1,000 | <1.0 | 15 | N | 7 |
| 84SC524R | 5.00 | 3.00 | 2.00 | .500 | 1,000.0 | N | N | N | N | 1,000 | <1.0 | N | N | 10 |
| 84SC525R | 5.00 | 7.00 | 3.00 | .500 | 1,000.0 | N | N | N | N | 300 | <1.0 | N | N | 30 |
| 84SC526R | 7.00 | 7.00 | 5.00 | .500 | 1,000.0 | N | N | N | N | 700 | <1.0 | N | N | 50 |
| 84SC527R | 7.00 | 3.00 | 5.00 | .500 | 1,500.0 | N | N | N | N | 700 | <1.0 | N | N | 20 |
| 84SC528R | 2.00 | 2.00 | 20.00 | .100 | 700.0 | N | N | N | N | 300 | N | N | N | 7 |
| 84SC529R | 5.00 | .50 | 3.00 | .100 | 300.0 | N | N | N | <10 | 100 | 1.0 | N | N | 10 |
| 84SC530R | 7.00 | .15 | .05 | .002 | 30.0 | 1.5 | N | N | N | 20 | N | >1,000 | N | 15 |
| 84SC531R | 3.00 | 1.00 | 10.00 | .200 | 1,000.0 | N | N | N | N | <20 | 1.5 | N | N | 7 |
| 84SC532R | .70 | .05 | 1.50 | .020 | 150.0 | N | N | N | 10 | <20 | N | N | N | <5 |
| 84SC533R | 7.00 | 2.00 | 2.00 | .700 | 1,000.0 | N | N | N | 10 | 1,000 | <1.0 | N | N | 20 |
| 84SC534R | 10.00 | 3.00 | 3.00 | .700 | 1,000.0 | N | N | N | 20 | 1,500 | <1.0 | N | N | 30 |
| 84SC535R | 10.00 | 2.00 | 5.00 | .700 | 1,000.0 | N | N | N | 20 | 1,000 | <1.0 | N | N | 20 |
| 84SC536R | .15 | .05 | .10 | .010 | 20.0 | N | N | N | 10 | <20 | N | N | N | <5 |
| 84SC537R | 3.00 | 1.00 | 2.00 | .300 | 700.0 | N | N | N | 15 | 150 | 1.0 | N | N | 10 |
| 84SC538R | 1.00 | .07 | 1.50 | .050 | 200.0 | N | N | N | 10 | 150 | N | N | N | N |
| 84SC539R | .70 | .07 | 1.00 | .030 | 150.0 | N | N | N | <10 | 150 | N | N | N | <5 |
| 84SC540R | 3.00 | 1.00 | 1.50 | .300 | 700.0 | N | N | N | <10 | 500 | N | N | N | 7 |
| 84SC541R | .50 | .15 | .50 | .020 | 100.0 | N | N | N | <10 | 100 | N | N | N | N |
| 84SC542R | 1.50 | 1.00 | 20.00 | .100 | 300.0 | N | N | N | N | 100 | N | N | N | N |
| 84SC543R | .07 | .07 | .07 | .015 | 50.0 | N | N | N | <10 | 300 | N | N | N | N |
| 84SC544R | 1.00 | .30 | .20 | .200 | 100.0 | N | N | N | 10 | <20 | N | N | N | N |
| 84SC545R | 7.00 | 2.00 | 2.00 | .700 | 1,000.0 | N | N | N | N | 1,500 | N | N | N | 20 |
| 84SC546R | 1.50 | .30 | .50 | .150 | 150.0 | N | N | N | N | <20 | N | N | N | N |
| 84SC547R | 10.00 | 2.00 | 3.00 | 1.000 | 1,000.0 | N | N | N | 10 | 2,000 | N | N | N | 50 |
| 84SC548R | .30 | .30 | .20 | .070 | 100.0 | N | N | N | N | N | N | N | N | N |
| 84SC549R | 7.00 | 3.00 | 3.00 | .700 | 1,000.0 | N | N | N | N | 1,000 | N | N | N | 30 |
| 84SC550R | 7.00 | 3.00 | 5.00 | 1.000 | 1,000.0 | N | N | N | 20 | 1,500 | <1.0 | N | N | 20 |
| 84SC551R | 1.50 | .70 | 3.00 | .500 | 1,000.0 | N | N | N | 10 | <20 | <1.0 | N | N | 10 |
| 84SC552R | 10.00 | 1.50 | 5.00 | 1.000 | 1,500.0 | N | N | N | N | 300 | N | N | N | 30 |
| 84SC553R | 3.00 | 1.00 | 2.00 | .500 | 500.0 | <.5 | N | N | 20 | 1,000 | <1.0 | N | N | 10 |
| 84SC554R | 3.00 | 1.50 | 2.00 | .300 | 300.0 | N | N | N | 30 | 2,000 | 1.0 | N | N | N |
| 84SC555R | .07 | .05 | <.05 | .005 | <10.0 | N | N | N | N | <20 | N | N | N | N |
| 84SC556R | <.05 | .05 | .05 | .015 | 10.0 | N | N | N | N | 200 | N | N | N | N |
| 84SC557R | 1.50 | .70 | 5.00 | .150 | 500.0 | N | N | N | N | N | <1.0 | N | N | 10 |
| 84SC558R | 2.00 | .70 | 10.00 | .150 | 700.0 | <.5 | N | N | N | 150 | 2.0 | N | N | 5 |
| 84SC559R | 3.00 | 1.00 | 10.00 | .500 | 700.0 | N | N | N | N | 20 | <1.0 | N | N | 7 |
| 84SC560R | 1.50 | .70 | 5.00 | .200 | 500.0 | N | N | N | N | 100 | N | N | N | 7 |
| 84SC561R | 3.00 | 1.00 | 10.00 | .300 | 700.0 | N | N | N | 10 | 20 | <1.0 | N | N | 7 |
| 84SC562R | 3.00 | .30 | 5.00 | .300 | 700.0 | N | N | N | 100 | 300 | N | N | N | <5 |
| 84SC563R | 5.00 | 1.50 | 3.00 | .300 | 1,000.0 | N | N | N | 10 | 500 | N | N | N | 10 |
| 84SC564R | .50 | .10 | .50 | .100 | 150.0 | N | N | N | N | 100 | N | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC523R | 10 | 70 | <20 | N | N | 15 | 10 | N | 7 | N | 300 | 100 | N | 15 | N |
| 84SC524R | 200 | 100 | <20 | N | N | 100 | 10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC525R | 700 | 100 | <20 | N | N | 200 | 10 | N | 30 | N | 200 | 200 | N | 20 | N |
| 84SC526R | 700 | 70 | <20 | N | N | 200 | 10 | N | 30 | N | 300 | 200 | N | 20 | N |
| 84SC527R | 150 | 30 | 20 | N | N | 30 | <10 | N | 30 | N | 700 | 300 | N | 30 | N |
| 84SC528R | 20 | 30 | <20 | N | N | 7 | N | N | 7 | N | 200 | 70 | N | 20 | N |
| 84SC529R | 15 | 200 | <20 | N | N | 20 | 15 | N | <5 | N | N | 200 | N | <10 | N |
| 84SC530R | 10 | 2,000 | N | 15.0 | N | 15 | 50 | N | N | N | N | 300 | N | N | N |
| 84SC531R | 10 | 10 | <20 | N | N | 15 | N | N | <5 | N | N | 70 | N | 15 | N |
| 84SC532R | 15 | 7 | <20 | N | N | 5 | N | N | N | N | <100 | 50 | N | N | N |
| 84SC533R | 20 | 100 | <20 | N | N | 15 | <10 | N | 20 | N | 500 | 300 | N | 20 | N |
| 84SC534R | 20 | 100 | 20 | N | N | 15 | 5 | N | 30 | N | 700 | 300 | N | 20 | N |
| 84SC535R | N | 100 | <20 | N | N | 10 | <10 | N | 30 | N | 700 | 300 | N | 30 | N |
| 84SC536R | <10 | 30 | N | N | N | 7 | N | N | N | N | N | <10 | N | N | N |
| 84SC537R | 15 | 70 | <20 | N | N | 10 | <10 | N | 15 | N | <100 | 200 | N | 15 | N |
| 84SC538R | 10 | 15 | N | N | N | <5 | N | N | N | N | 150 | 100 | N | N | N |
| 84SC539R | 10 | 7 | <20 | N | N | 5 | N | N | N | N | N | 70 | N | N | N |
| 84SC540R | 20 | 20 | <20 | N | N | 7 | 10 | N | 10 | N | 300 | 200 | N | 10 | N |
| 84SC541R | 10 | <5 | <20 | N | N | 5 | N | N | N | N | N | 30 | N | N | N |
| 84SC542R | 10 | 10 | <20 | N | N | 7 | N | N | <5 | N | 200 | 20 | N | 10 | N |
| 84SC543R | 15 | <5 | N | N | N | 7 | N | N | N | N | N | <10 | N | N | N |
| 84SC544R | 20 | 50 | N | N | N | 20 | N | N | <5 | N | N | 30 | N | N | N |
| 84SC545R | 50 | 150 | <20 | N | N | 15 | N | N | 30 | N | 500 | 300 | N | 20 | N |
| 84SC546R | 15 | 30 | N | N | N | 5 | N | N | <5 | N | N | 70 | N | N | N |
| 84SC547R | 50 | 150 | <20 | N | N | 20 | 10 | N | 30 | N | 700 | 500 | N | 20 | N |
| 84SC548R | <10 | 30 | N | N | N | <5 | N | N | N | N | N | 15 | N | N | N |
| 84SC549R | 50 | 150 | <20 | N | N | 20 | <10 | N | 30 | N | 700 | 300 | N | 20 | N |
| 84SC550R | 10 | 100 | <20 | N | N | 7 | <10 | N | 20 | N | 700 | 300 | N | 30 | N |
| 84SC551R | 10 | 30 | <20 | N | N | 5 | N | N | 15 | N | 700 | 200 | N | 15 | N |
| 84SC552R | 15 | 100 | N | N | N | 15 | <10 | N | 30 | N | 700 | 500 | N | 30 | N |
| 84SC553R | 50 | 100 | N | N | N | 50 | 10 | N | 20 | N | 500 | 200 | N | 20 | N |
| 84SC554R | 10 | 30 | <20 | N | N | 10 | <10 | N | 10 | N | 1,500 | 70 | N | 30 | N |
| 84SC555R | 10 | 5 | N | N | N | 5 | N | N | N | N | N | <10 | N | N | N |
| 84SC556R | <10 | <5 | N | N | N | 7 | N | N | N | N | N | <10 | N | N | N |
| 84SC557R | 200 | 100 | <20 | N | N | 150 | 10 | N | 5 | N | N | 70 | N | N | N |
| 84SC558R | 50 | 30 | N | N | N | 30 | <10 | N | 5 | N | N | 70 | N | N | N |
| 84SC559R | 70 | 50 | N | N | N | 20 | <10 | N | 20 | N | N | 100 | N | 20 | N |
| 84SC560R | 50 | 30 | N | N | N | 50 | N | N | 5 | N | N | 30 | N | N | N |
| 84SC561R | 200 | 70 | <20 | N | N | 100 | <10 | N | 15 | N | N | 500 | N | 20 | 200 |
| 84SC562R | 10 | 20 | N | N | N | 5 | <10 | N | 10 | N | 1,000 | 200 | N | 15 | N |
| 84SC563R | 20 | 70 | N | N | N | 10 | <10 | N | 20 | N | 1,000 | 200 | N | 20 | N |
| 84SC564R | <10 | 5 | N | N | N | <5 | N | N | <5 | N | N | 30 | N | N | N |

Table 3. Semiquantitative spectrographic analyses of outcrop samples from the U.S. Virgin Islands.--Continued

| Sample | Zr-ppm s | Th-ppm s |
|---|---|---|
| 84SC523R | 30 | N |
| 84SC524R | 50 | N |
| 84SC525R | 50 | N |
| 84SC526R | 70 | N |
| 84SC527R | 30 | N |
| 84SC528R | 10 | N |
| 84SC529R | N | N |
| 84SC530R | N | N |
| 84SC531R | 150 | N |
| 84SC532R | N | N |
| 84SC533R | 150 | N |
| 84SC534R | 150 | N |
| 84SC535R | 150 | N |
| 84SC536R | N | N |
| 84SC537R | 100 | N |
| 84SC538R | 10 | N |
| 84SC539R | 10 | N |
| 84SC540R | 50 | N |
| 84SC541R | <10 | N |
| 84SC542R | 100 | N |
| 84SC543R | N | N |
| 84SC544R | 20 | N |
| 84SC545R | 150 | N |
| 84SC546R | 10 | N |
| 84SC547R | 150 | N |
| 84SC548R | <10 | N |
| 84SC549R | 150 | N |
| 84SC550R | 150 | N |
| 84SC551R | 50 | N |
| 84SC552R | 150 | N |
| 84SC553R | 100 | N |
| 84SC554R | 300 | N |
| 84SC555R | N | N |
| 84SC556R | N | N |
| 84SC557R | 20 | N |
| 84SC558R | 20 | N |
| 84SC559R | 50 | N |
| 84SC560R | 30 | N |
| 84SC561R | 100 | N |
| 84SC562R | 100 | N |
| 84SC563R | 30 | N |
| 84SC564R | 15 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001S | 18 20 46 | 64 53 14 | 5.0 | 1.00 | .30 | .50 | 700 | N | N | N | 10 | 700 | N | N | N | 10 | 15 |
| 83ST002S | 18 20 48 | 64 52 44 | 5.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 15 | 500 | <1.0 | N | N | 15 | 70 |
| 83ST003S | 18 20 23 | 64 51 58 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 150 | N | N | N | 20 | 30 |
| 83ST004S | 18 19 15 | 64 50 24 | 5.0 | 2.00 | 1.00 | .30 | 1,000 | <.5 | N | N | 10 | 100 | N | N | N | 20 | 100 |
| 83ST005S | 18 19 36 | 64 50 13 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | <10 | 70 | N | N | N | 30 | 50 |
| 83ST006S | 18 19 2 | 64 49 40 | 7.0 | 2.00 | 2.00 | .30 | 1,000 | N | N | N | 10 | 70 | N | N | N | 30 | 150 |
| 83ST007S | 18 18 41 | 64 49 41 | 7.0 | 1.50 | 1.00 | .50 | 1,500 | N | N | N | 20 | 100 | N | N | N | 15 | 30 |
| 83ST008S | 18 17 52 | 64 49 2 | 2.0 | .15 | .07 | .30 | 100 | N | N | N | 20 | 150 | <1.0 | N | N | N | 10 |
| 83ST009S | 18 18 0 | 64 49 25 | 2.0 | 1.00 | .07 | .30 | 1,000 | N | N | N | 15 | 300 | <1.0 | N | N | 5 | 20 |
| 83ST010S | 18 18 6 | 64 49 34 | 1.5 | .30 | .07 | .30 | 1,300 | N | N | N | 15 | 200 | <1.0 | N | N | <5 | 10 |
| 83ST011S | 18 18 10 | 64 49 44 | 7.0 | 1.00 | .20 | .70 | 1,000 | N | N | N | 10 | 300 | N | N | N | 15 | 50 |
| 83ST012S | 18 18 54 | 64 50 50 | 7.0 | 2.00 | 2.00 | .50 | 2,000 | N | N | N | 10 | 300 | <1.0 | N | N | 10 | <10 |
| 83ST013S | 18 18 33 | 64 51 52 | 5.0 | 1.00 | .10 | .30 | 1,000 | 3.0 | N | N | 10 | 1,000 | 1.0 | N | N | 10 | 20 |
| 83ST014S | 18 18 26 | 64 52 14 | 7.0 | .30 | .07 | .70 | 2,000 | N | N | N | 15 | 100 | N | N | N | 50 | 100 |
| 83ST015S | 18 18 24 | 64 52 28 | 7.0 | 1.50 | 1.00 | .70 | 1,500 | N | N | N | 15 | 700 | N | N | N | 20 | 50 |
| 83ST017S | 18 19 18 | 64 56 34 | 5.0 | 1.50 | 1.00 | .30 | 1,500 | N | N | N | 10 | 150 | <1.0 | N | N | 10 | 70 |
| 83ST018S | 18 19 19 | 64 57 7 | 5.0 | 1.00 | .50 | 13.00 | 1,500 | N | N | N | 15 | 150 | <1.0 | N | N | 5 | 10 |
| 83ST019S | 18 18 42 | 64 57 37 | 3.0 | 1.00 | .70 | .30 | 1,000 | N | N | N | <10 | 200 | N | N | N | 10 | 10 |
| 83ST021S | 18 18 27 | 65 0 6 | 1.5 | .70 | .07 | .20 | 700 | N | N | N | 20 | 200 | <1.0 | N | N | 5 | 20 |
| 83ST022S | 18 21 15 | 64 59 39 | 3.0 | 1.00 | 1.50 | .20 | 1,000 | N | N | N | 30 | 100 | N | N | N | 15 | 30 |
| 83ST023S | 18 20 47 | 64 58 36 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 50 | 200 | N | N | N | 20 | 30 |
| 83ST024S | 18 20 21 | 64 50 42 | 3.0 | .30 | 7.00 | .20 | 1,000 | N | N | N | N | 30 | N | N | N | 10 | 15 |
| 83ST025S | 18 21 17 | 64 52 54 | 5.0 | 1.50 | .50 | .50 | 1,000 | N | N | N | 15 | 300 | N | N | N | 20 | 30 |
| 83ST027S | 18 21 52 | 64 53 35 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 10 | 500 | N | N | N | 30 | 30 |
| 83ST029S | 18 24 7 | 64 54 45 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 200 | N | N | N | 20 | 50 |
| 83ST030S | 18 24 35 | 64 54 29 | 5.0 | .70 | 2.00 | .50 | 1,000 | N | N | N | N | 200 | <1.0 | N | N | 15 | 30 |
| 83ST031S | 18 22 1 | 64 54 24 | 5.0 | 1.00 | 1.50 | .50 | 2,000 | N | N | N | 10 | 500 | <1.0 | N | N | 20 | 15 |
| 83ST044S | 18 22 24 | 64 59 27 | 7.0 | 1.50 | 1.00 | .50 | 2,000 | N | N | N | 20 | 700 | N | N | N | 30 | <10 |
| 83ST045S | 18 20 4 | 64 56 15 | 3.0 | .20 | .15 | .30 | 3,000 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | N |
| 83ST046S | 18 19 42 | 64 56 07 | 7.0 | 2.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 70 | N | N | N | 30 | 70 |
| 83ST049S | 18 18 58 | 64 53 28 | 1.5 | .50 | .30 | .30 | 500 | 1.5 | N | N | 20 | 70 | <1.0 | N | N | 5 | 50 |
| 83ST052S | 18 19 48 | 64 57 31 | 2.0 | .30 | .10 | .30 | 500 | 1.5 | N | N | 10 | 300 | <1.0 | N | N | 5 | 10 |
| 83ST062S | 18 22 52 | 65 3 40 | 3.0 | 1.00 | 1.00 | .30 | 2,000 | 1.5 | N | N | <10 | 500 | N | N | N | 10 | 20 |
| 83ST063S | 18 24 20 | 65 3 36 | 5.0 | .15 | 2.00 | .30 | 500 | 1.5 | N | N | <10 | 150 | N | N | N | 7 | 70 |
| 83ST067S | 18 19 41 | 64 51 14 | 3.0 | .30 | .15 | .30 | 1,500 | 1.5 | N | N | 50 | 150 | <1.0 | N | N | 15 | 30 |
| 83ST068S | 18 19 59 | 64 51 14 | 3.0 | .70 | .70 | .30 | 1,000 | N | N | N | 10 | 200 | <1.0 | N | N | 7 | 15 |
| 83ST069S | 18 19 36 | 64 51 40 | 2.0 | .30 | .20 | .30 | 1,500 | N | N | N | 30 | 200 | <1.0 | N | N | 10 | 20 |
| 83ST070S | 18 19 40 | 64 52 23 | 2.0 | .50 | .30 | .20 | 1,000 | N | N | N | 30 | 200 | 1.0 | N | N | 7 | 10 |
| 83ST071S | 18 19 42 | 64 52 25 | 1.0 | .15 | .15 | .30 | 150 | 2.0 | N | N | 50 | 700 | <1.0 | N | N | <5 | 70 |
| 83ST072S | 18 19 19 | 64 53 29 | 5.0 | 1.50 | .70 | .30 | 700 | N | N | N | 10 | 50 | N | N | N | 20 | 100 |
| 83ST073S | 18 19 27 | 64 53 28 | 3.0 | .50 | .50 | .20 | 700 | N | N | N | 15 | 70 | <1.0 | N | N | 10 | 50 |
| 83ST074S | 18 20 5 | 64 53 3 | 5.0 | .70 | 1.00 | .50 | 1,500 | 5.0 | N | N | 20 | 150 | <1.0 | N | N | 10 | 20 |
| 83ST075S | 18 19 44 | 64 53 0 | 5.0 | .50 | .20 | .30 | 500 | N | N | N | 50 | 150 | <1.0 | N | N | 7 | 20 |
| 83ST076S | 18 19 34 | 64 54 35 | 7.0 | 2.00 | 1.50 | .50 | 1,500 | N | N | N | 10 | 20 | N | N | N | 20 | 150 |
| 83ST077S | 18 19 12 | 64 54 42 | 1.5 | .30 | .10 | .30 | 500 | N | N | N | 10 | 50 | <1.0 | N | N | 5 | 15 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001S | 100 | <20 | N | N | 7 | 10 | N | 30 | N | 100 | 300 | N | 20 | N | 30 | N |
| 83ST002S | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 70 | N |
| 83ST003S | 100 | 20 | N | N | 15 | 10 | N | 30 | N | 300 | 200 | N | 15 | N | 30 | N |
| 83ST004S | 100 | <20 | N | N | 30 | 30 | N | 30 | N | 150 | 200 | N | 15 | N | 30 | N |
| 83ST005S | 150 | <20 | N | N | 20 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 83ST006S | 150 | N | N | N | 50 | 10 | N | 30 | N | 300 | 300 | N | 15 | N | 30 | N |
| 83ST007S | 100 | <20 | N | N | 15 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 83ST008S | 10 | N | N | N | 5 | <10 | N | 7 | N | N | 30 | N | 30 | N | 100 | N |
| 83ST009S | 10 | <20 | N | N | 7 | <10 | N | 7 | N | N | 50 | N | 30 | N | 150 | N |
| 83ST010S | 5 | <20 | N | N | 5 | <10 | N | 7 | N | N | 30 | N | 20 | N | 70 | N |
| 83ST011S | 30 | N | 5 | N | 20 | 10 | N | 20 | N | N | 150 | N | 30 | N | 70 | N |
| 83ST012S | 20 | N | N | N | <5 | 10 | N | 10 | N | 200 | 200 | N | 20 | N | 70 | N |
| 83ST013S | 2,000 | <20 | 7 | N | 10 | 15 | N | 10 | N | <100 | 150 | N | 20 | 2,000 | 70 | N |
| 83ST014S | 150 | <20 | N | N | 100 | 10 | N | 30 | N | N | 300 | N | 20 | 300 | 50 | N |
| 83ST015S | 200 | N | N | N | 20 | 10 | N | 30 | N | 200 | 500 | N | 15 | N | 30 | N |
| 83ST017S | 30 | <20 | N | N | 20 | 10 | N | 20 | N | 200 | 150 | N | 20 | N | 30 | N |
| 83ST018S | 15 | 20 | N | N | 5 | 15 | N | 15 | N | 200 | 150 | N | 30 | N | 100 | N |
| 83ST019S | 30 | N | N | N | 5 | 50 | N | 15 | N | 200 | 200 | N | 15 | N | 50 | N |
| 83ST021S | 50 | 20 | N | N | 10 | 100 | N | 10 | N | N | 50 | N | 30 | N | 100 | N |
| 83ST022S | 50 | <20 | N | N | 10 | 10 | N | 20 | N | 200 | 200 | N | 10 | N | 15 | N |
| 83ST023S | 100 | <20 | N | N | 15 | 10 | N | 30 | N | 150 | 300 | N | 20 | N | 20 | N |
| 83ST024S | 100 | <20 | N | N | <5 | 30 | N | 20 | N | 300 | 200 | N | 10 | N | 10 | N |
| 83ST025S | 150 | N | N | N | 10 | 10 | N | 20 | N | 150 | 200 | N | 20 | N | 50 | N |
| 83ST027S | 100 | 20 | N | N | 20 | 15 | N | 30 | N | 500 | 300 | N | 20 | N | 70 | N |
| 83ST029S | 100 | 20 | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 20 | N | 50 | N |
| 83ST030S | 150 | 20 | N | N | 7 | 15 | N | 30 | N | 500 | 300 | N | 20 | N | 50 | N |
| 83ST031S | 100 | <20 | N | N | 10 | 15 | N | 20 | N | 500 | 200 | N | 15 | N | 50 | N |
| 83ST044S | 200 | N | N | N | 10 | 10 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 83ST045S | 10 | <20 | N | N | 5 | 50 | N | 15 | N | <100 | 70 | N | 20 | N | 70 | N |
| 83ST046S | 200 | N | N | N | 30 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 83ST049S | 20 | <20 | N | N | 5 | 10 | N | 10 | N | 100 | 30 | N | 30 | N | 70 | N |
| 83ST052S | 5 | <20 | N | N | 5 | 10 | N | 7 | N | 100 | 30 | N | 15 | N | 70 | N |
| 83ST062S | 70 | <20 | N | N | 7 | 15 | N | 20 | N | 200 | 200 | N | 20 | N | 30 | N |
| 83ST063S | 70 | <20 | N | N | 5 | <10 | N | 20 | N | 300 | 200 | N | 10 | N | 30 | N |
| 83ST067S | 30 | <20 | N | N | 10 | 20 | N | 15 | N | 100 | 150 | N | 20 | N | 50 | N |
| 83ST068S | 50 | <20 | N | N | 7 | <10 | N | 20 | N | 150 | 150 | N | 20 | N | 30 | N |
| 83ST069S | 20 | 20 | N | N | 10 | 20 | N | 15 | N | 150 | 100 | N | 20 | N | 50 | N |
| 83ST070S | 20 | <20 | N | N | 5 | 50 | N | 15 | N | 100 | 70 | N | 20 | N | 50 | N |
| 83ST071S | 20 | 20 | 5 | N | 5 | 100 | N | 10 | N | N | 70 | N | 15 | <200 | 50 | N |
| 83ST072S | 150 | N | N | N | 30 | 20 | N | 20 | N | 100 | 200 | N | 15 | N | 30 | N |
| 83ST073S | 30 | <20 | N | N | 20 | 20 | N | 15 | N | <100 | 150 | N | 15 | N | 30 | N |
| 83ST074S | 100 | N | N | N | 15 | 30 | N | 20 | N | 150 | 300 | N | 20 | <200 | 70 | N |
| 83ST075S | 20 | N | N | N | 10 | 15 | N | 20 | N | N | 100 | N | 20 | N | 70 | N |
| 83ST076S | 100 | N | N | N | 70 | 50 | N | 20 | N | 150 | 300 | N | 20 | N | 30 | N |
| 83ST077S | 15 | <20 | N | N | 5 | <10 | N | 10 | N | N | 30 | N | 20 | N | 50 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST078S | 18 19 11 | 64 53 59 | 7.0 | .70 | 1.50 | 1.00 | 1,500 | N | N | N | <10 | 150 | N | N | N | 20 | 20 |
| 83ST079S | 18 19 30 | 64 54 16 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 15 | 20 | N | N | N | 20 | 50 |
| 83ST081S | 18 20 18 | 64 54 24 | 7.0 | .70 | 1.00 | .50 | 1,500 | N | N | N | 15 | 500 | N | N | N | 20 | 15 |
| 83ST082S | 18 20 12 | 64 54 12 | 5.0 | .70 | .70 | .50 | 1,000 | N | N | N | 10 | 300 | <1.0 | N | N | 20 | 10 |
| 83ST083S | 18 20 15 | 64 53 30 | 3.0 | .70 | 1.00 | .50 | 700 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | 50 |
| 83ST085S | 18 21 32 | 64 54 30 | 5.0 | .70 | 1.00 | .50 | 1,000 | N | N | N | <10 | 150 | <1.0 | N | N | 15 | 30 |
| 83ST086S | 18 21 17 | 64 55 16 | 3.0 | .70 | .70 | .30 | 700 | N | N | N | 15 | 500 | <1.0 | N | N | 10 | 20 |
| 83ST087S | 18 21 43 | 64 56 31 | 5.0 | 1.00 | 1.50 | .30 | 2,000 | N | N | N | 15 | 200 | N | N | N | 20 | 30 |
| 83ST088S | 18 22 11 | 64 57 8 | 5.0 | .50 | 1.00 | .30 | 1,000 | N | N | N | 10 | 150 | <1.0 | N | N | 10 | 15 |
| 83ST089S | 18 22 9 | 64 57 38 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 300 | N | N | N | 20 | 20 |
| 83ST090S | 18 21 52 | 64 58 35 | 5.0 | .70 | .70 | .30 | 1,000 | N | N | N | 20 | 300 | N | N | N | 30 | 30 |
| 83ST091S | 18 21 39 | 65 0 55 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 15 | 200 | N | N | N | 20 | 10 |
| 83ST092S | 18 21 32 | 65 1 5 | 7.0 | 1.00 | .50 | .50 | 1,500 | N | N | N | 30 | 300 | N | N | N | 30 | 15 |
| 83ST093S | 18 21 4 | 65 1 22 | 7.0 | 1.00 | .70 | .50 | 1,000 | N | N | N | 15 | 150 | N | N | N | 30 | 15 |
| 83ST094S | 18 20 45 | 65 1 22 | 7.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 20 | 100 | N | N | N | 30 | 30 |
| 83ST095S | 18 21 15 | 65 0 10 | 7.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 15 | 150 | N | N | N | 30 | 30 |
| 83ST096S | 18 21 28 | 65 1 55 | 5.0 | .70 | 1.00 | .50 | 1,000 | N | N | N | 10 | 200 | N | N | N | 20 | 20 |
| 83ST097S | 18 20 44 | 64 56 55 | 5.0 | 1.00 | 1.00 | .50 | 1,500 | N | N | N | 15 | 100 | N | N | N | 20 | 20 |
| 83ST098S | 18 20 49 | 64 57 8 | 7.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 10 | 150 | N | N | N | 30 | 50 |
| 83ST099S | 18 20 58 | 64 57 46 | 7.0 | 2.00 | .70 | .50 | 1,500 | N | N | N | 20 | 150 | N | N | N | 20 | 20 |
| 83ST102S | 18 18 28 | 64 50 0 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | 10 | 150 | <1.0 | N | N | 10 | 70 |
| 83ST103S | 18 18 57 | 64 49 55 | 3.0 | .70 | 1.00 | .50 | 700 | N | N | N | 10 | 150 | <1.0 | N | N | 10 | 30 |
| 83ST104S | 18 21 33 | 64 50 21 | 7.0 | 1.50 | 10.00 | .50 | 1,000 | N | N | N | 10 | 700 | <1.0 | N | N | 20 | 30 |
| 83ST105S | 18 21 44 | 64 49 32 | 7.0 | 1.50 | 15.00 | .50 | 1,000 | N | N | N | N | 500 | N | N | N | 10 | 20 |
| 83ST106S | 18 21 43 | 64 49 42 | 7.0 | 2.00 | 3.00 | .50 | 2,000 | N | N | N | <10 | 150 | N | N | N | 20 | <10 |
| 83ST108S | 18 21 50 | 64 52 12 | 7.0 | 2.00 | 3.00 | .50 | 1,500 | 3.0 | N | N | N | 500 | N | N | N | 20 | 50 |
| 83ST109S | 18 21 34 | 64 51 46 | 10.0 | 2.00 | 3.00 | .50 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 30 | 50 |
| 83ST110S | 18 20 48 | 64 51 45 | 7.0 | 1.50 | 3.00 | .50 | 2,000 | N | N | N | 20 | 700 | <1.0 | N | N | 30 | 50 |
| 83ST111S | 18 19 52 | 64 50 47 | 10.0 | 2.00 | 2.00 | .70 | 5,000 | N | N | N | N | 1,000 | N | N | N | 50 | <10 |
| 84SJ001S | 18 20 27 | 64 47 22 | 3.0 | .70 | 2.00 | .70 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 7 | 30 |
| 84SJ002S | 18 20 29 | 64 47 6 | 3.0 | 2.00 | 7.00 | .30 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 7 | 20 |
| 84SJ003S | 18 20 49 | 64 46 51 | 5.0 | 2.00 | 3.00 | .70 | 1,500 | N | N | N | 20 | 150 | N | N | N | 20 | 70 |
| 84SJ004S | 18 20 53 | 64 46 36 | 5.0 | 2.00 | 2.00 | .50 | 1,500 | N | N | N | 20 | 150 | N | N | N | 15 | 50 |
| 84SJ005S | 18 21 8 | 64 46 30 | 7.0 | 2.00 | 3.00 | .70 | 2,000 | N | N | N | 30 | 200 | <1.0 | N | N | 30 | 50 |
| 84SJ006S | 18 21 12 | 64 46 5 | 7.0 | 2.00 | 3.00 | .70 | 1,500 | N | N | N | 30 | 200 | <1.0 | N | N | 15 | 50 |
| 84SJ007S | 18 21 12 | 64 45 49 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 30 | 150 | <1.0 | N | N | 15 | 70 |
| 84SJ008S | 18 21 12 | 64 45 21 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 20 | 200 | N | N | N | 15 | 50 |
| 84SJ009S | 18 21 16 | 64 45 9 | 5.0 | 2.00 | 1.50 | .50 | 1,500 | N | N | N | 30 | 150 | N | N | N | 15 | 20 |
| 84SJ010S | 18 21 57 | 64 44 29 | 5.0 | 2.00 | 1.50 | .70 | 2,000 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 30 |
| 84SJ011S | 18 21 57 | 64 44 17 | 5.0 | 2.00 | 2.00 | 1.00 | 2,000 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 50 |
| 84SJ012S | 18 21 54 | 64 43 40 | 5.0 | 2.00 | 10.00 | .50 | 1,500 | N | N | N | 15 | 1,000 | <1.0 | N | N | 20 | 50 |
| 84SJ013S | 18 21 38 | 64 44 6 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | 20 | 300 | N | N | N | 15 | 50 |
| 84SJ014S | 18 21 28 | 64 44 22 | 7.0 | 2.00 | 2.00 | .70 | 1,000 | N | N | N | <10 | 150 | <1.0 | N | N | 20 | 70 |
| 84SJ015S | 18 21 50 | 64 43 6 | 7.0 | 3.00 | 5.00 | 1.00 | 1,500 | N | N | N | 10 | 1,000 | <1.0 | N | N | 30 | 70 |
| 84SJ016S | 18 21 27 | 64 43 42 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | N | 150 | N | N | N | 10 | 20 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI078S | 150 | N | N | N | 10 | 70 | N | 20 | N | 300 | 500 | N | 30 | N | 70 | N |
| 83SI079S | 100 | N | N | N | 30 | 50 | N | 20 | N | 150 | 300 | N | 10 | N | 15 | N |
| 83SI081S | 100 | <20 | N | N | 7 | 30 | N | 20 | N | 300 | 300 | N | 20 | N | 30 | N |
| 83SI082S | 70 | <20 | N | N | 5 | 30 | N | 20 | N | 150 | 150 | N | 20 | N | 30 | N |
| 83SI083S | 70 | <20 | N | N | 10 | 50 | N | 20 | N | 200 | 200 | N | 20 | N | 50 | N |
| 83SI085S | 70 | <20 | N | N | 10 | 10 | N | 20 | N | 300 | 200 | N | 15 | N | 50 | N |
| 83SI086S | 50 | N | N | N | 10 | 30 | N | 15 | N | 300 | 150 | N | 20 | N | 30 | N |
| 83SI087S | 150 | N | N | N | 15 | 30 | N | 20 | N | 200 | 300 | N | 15 | N | 20 | N |
| 83SI088S | 50 | N | N | N | 10 | 20 | N | 20 | N | 200 | 100 | N | 20 | N | 70 | N |
| 83SI089S | 100 | <20 | N | N | 20 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 83SI090S | 150 | N | N | N | 15 | 30 | N | 20 | N | 150 | 300 | N | 20 | N | 20 | N |
| 83SI091S | 150 | N | N | N | 10 | 20 | N | 20 | N | 200 | 300 | N | 20 | N | 20 | N |
| 83SI092S | 150 | N | N | N | 15 | <10 | N | 20 | N | 200 | 500 | N | 20 | N | 30 | N |
| 83SI093S | 200 | N | N | N | 15 | <10 | N | 30 | N | 100 | 500 | N | 20 | N | 30 | N |
| 83SI094S | 150 | N | N | N | 15 | 10 | N | 20 | N | 300 | 500 | N | 20 | N | 30 | N |
| 83SI095S | 200 | N | N | N | 15 | 10 | N | 30 | N | 200 | 500 | N | 20 | N | 20 | N |
| 83SI096S | 150 | <20 | N | N | 10 | 10 | N | 20 | N | 200 | 300 | N | 20 | N | 30 | N |
| 83SI097S | 100 | <20 | N | N | 10 | 50 | N | 20 | N | 150 | 300 | N | 20 | N | 30 | N |
| 83SI098S | 150 | N | N | N | 20 | 15 | N | 20 | N | 200 | 300 | N | 15 | N | 20 | N |
| 83SI099S | 100 | N | N | N | 15 | <10 | N | 30 | N | 300 | 300 | N | 20 | N | 15 | N |
| 83SI102S | 50 | <20 | N | N | 15 | 10 | N | 20 | N | 150 | 200 | N | 20 | N | 30 | N |
| 83SI103S | 50 | <20 | N | N | 15 | 100 | N | 15 | N | 200 | 200 | N | 20 | N | 30 | N |
| 83SI104S | 200 | <20 | N | N | 30 | 20 | N | 20 | N | 300 | 300 | N | 20 | N | 50 | N |
| 83SI105S | 150 | N | N | N | 20 | 15 | N | 20 | N | 1,500 | 200 | N | 15 | N | 30 | N |
| 83SI106S | 100 | N | N | N | 10 | 20 | N | 20 | N | 200 | 500 | N | 20 | N | 70 | N |
| 83SI108S | 100 | <20 | N | N | 15 | 20 | N | 20 | N | 500 | 300 | N | 15 | N | 50 | N |
| 83SI109S | 200 | N | N | N | 20 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 50 | N |
| 83SI110S | 200 | <20 | N | N | 30 | 20 | N | 20 | N | 500 | 200 | N | 20 | N | 50 | N |
| 83SI111S | 500 | N | N | N | 15 | 20 | N | 30 | N | 200 | 700 | N | 20 | <200 | 50 | N |
| 84SJ001S | 70 | 20 | N | N | 15 | 20 | N | 7 | N | 300 | 200 | N | 20 | N | 150 | N |
| 84SJ002S | 100 | 20 | N | N | 10 | 20 | N | 5 | N | 150 | 150 | N | 15 | N | 30 | N |
| 84SJ003S | 100 | <20 | N | N | 20 | 15 | N | 10 | N | 150 | 300 | N | 15 | N | 30 | N |
| 84SJ004S | 100 | <20 | N | N | 20 | 15 | N | 15 | N | 150 | 300 | N | 20 | N | 50 | N |
| 84SJ005S | 150 | <20 | N | N | 50 | 30 | N | 20 | N | 150 | 300 | N | 20 | N | 50 | N |
| 84SJ006S | 100 | <20 | N | N | 20 | 30 | N | 20 | N | 200 | 300 | N | 20 | N | 70 | N |
| 84SJ007S | 100 | N | N | N | 20 | 15 | N | 20 | N | 150 | 300 | N | 20 | N | 50 | N |
| 84SJ008S | 100 | 20 | N | N | 20 | 10 | N | 20 | N | 200 | 300 | N | 20 | N | 50 | N |
| 84SJ009S | 150 | N | N | N | 15 | 10 | N | 20 | N | 100 | 300 | N | 20 | N | 20 | N |
| 84SJ010S | 100 | N | N | N | 10 | 15 | N | 15 | N | 150 | 200 | N | 20 | N | 50 | N |
| 84SJ011S | 150 | <20 | N | N | 20 | 30 | N | 20 | N | 300 | 200 | N | 30 | N | 70 | N |
| 84SJ012S | 300 | N | N | N | 70 | <10 | N | 10 | N | 500 | 200 | N | 20 | N | 50 | N |
| 84SJ013S | 200 | N | N | N | 20 | 70 | N | 15 | N | 1,000 | 200 | N | 20 | N | 50 | N |
| 84SJ014S | 200 | N | N | N | 15 | 10 | N | 20 | N | 150 | 300 | N | 20 | N | 50 | N |
| 84SJ015S | 200 | <20 | N | N | 70 | 20 | N | 20 | N | 700 | 300 | N | 30 | N | 100 | N |
| 84SJ016S | 300 | N | N | N | <5 | <10 | N | 15 | N | N | 300 | N | 15 | N | 15 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ017S | 18 21 15 | 64 43 2 | 3.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 20 | 100 | N | N | N | 10 | 20 |
| 84SJ018S | 18 21 7 | 64 42 48 | 10.0 | 2.00 | 1.50 | .70 | 1,500 | N | N | N | 15 | 150 | N | N | N | 30 | 20 |
| 84SJ020S | 18 21 30 | 64 42 4 | 10.0 | 2.00 | 2.00 | 1.00 | 2,000 | N | N | N | N | 700 | 1.0 | N | N | 20 | 20 |
| 84SJ021S | 18 21 4 | 64 43 24 | 5.0 | 1.50 | 1.50 | .70 | 1,500 | N | N | N | N | 200 | N | N | N | 10 | 30 |
| 84SJ022S | 18 20 57 | 64 43 29 | 3.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 10 | 150 | <1.0 | N | N | 5 | 30 |
| 84SJ023S | 18 20 55 | 64 43 27 | 3.0 | 1.00 | 1.50 | .70 | 1,500 | N | N | N | 10 | 500 | <1.0 | N | N | 7 | 20 |
| 84SJ025S | 18 20 42 | 64 43 5 | 5.0 | 1.50 | 2.00 | .70 | 3,000 | N | N | N | N | 200 | N | N | N | 10 | 20 |
| 84SJ026S | 18 21 29 | 64 41 45 | 2.0 | .50 | 1.00 | .30 | 1,000 | N | N | N | 20 | 200 | N | N | N | <5 | 20 |
| 84SJ027S | 18 21 33 | 64 41 27 | 3.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 15 | 300 | N | N | N | 5 | 50 |
| 84SJ028S | 18 21 9 | 64 40 59 | 10.0 | 3.00 | .50 | 1.00 | 2,000 | N | N | N | 30 | 70 | N | N | N | 30 | 30 |
| 84SJ029S | 18 20 20 | 64 40 23 | 10.0 | 2.00 | 1.00 | 1.00 | 2,000 | N | N | N | 20 | 200 | N | N | N | 20 | 70 |
| 84SJ030S | 18 20 33 | 64 40 26 | 10.0 | 2.00 | 1.50 | 1.00 | 2,000 | N | N | N | 15 | 150 | N | N | N | 20 | 70 |
| 84SJ032S | 18 20 17 | 64 42 49 | 3.0 | 1.00 | 1.50 | .70 | 1,000 | N | N | N | 20 | 300 | N | N | N | 5 | 20 |
| 84SJ033S | 18 20 3 | 64 42 31 | 5.0 | 1.50 | 2.00 | 1.00 | 1,500 | N | N | N | 15 | 150 | N | N | N | 10 | 30 |
| 84SJ034S | 18 19 44 | 64 42 14 | 3.0 | 2.00 | 1.00 | 1.00 | 1,000 | N | N | N | 30 | 150 | N | N | N | 15 | 50 |
| 84SJ035S | 18 19 19 | 64 42 5 | 7.0 | 2.00 | 1.00 | 1.00 | 2,000 | N | N | N | 20 | 300 | N | N | N | 10 | 50 |
| 84SJ036S | 18 19 10 | 64 42 23 | 7.0 | 2.00 | .50 | .70 | 700 | N | N | N | 15 | 200 | N | N | N | 10 | 150 |
| 84SJ037S | 18 19 3 | 64 42 45 | 2.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 20 | 200 | N | N | N | N | 50 |
| 84SJ038S | 18 19 15 | 64 43 9 | 10.0 | 2.00 | 2.00 | 1.00 | 1,500 | N | N | N | 20 | 200 | N | N | N | 20 | 70 |
| 84SJ042S | 18 19 39 | 64 43 20 | 5.0 | 1.00 | 1.50 | .70 | 1,000 | N | N | N | 20 | 300 | N | N | N | 10 | 50 |
| 84SJ044S | 18 19 24 | 64 44 4 | 2.0 | 1.00 | 2.00 | .50 | 700 | 3.0 | N | N | 30 | 150 | <1.0 | N | N | <5 | 20 |
| 84SJ046S | 18 19 26 | 64 43 44 | 3.0 | 1.50 | 2.00 | .50 | 700 | N | N | N | 30 | 200 | N | N | N | 5 | 50 |
| 84SJ048S | 18 19 39 | 64 45 57 | 5.0 | 1.50 | 1.00 | .70 | 700 | N | N | N | 20 | 150 | N | N | N | 7 | 20 |
| 84SJ049S | 18 19 44 | 64 45 48 | 3.0 | .70 | 1.50 | .70 | 700 | N | N | N | 30 | 300 | N | N | N | <5 | 20 |
| 84SJ050S | 18 19 35 | 64 45 30 | 5.0 | 1.00 | 1.00 | .70 | 1,000 | N | N | N | 30 | 300 | N | N | N | 10 | 30 |
| 84SJ051S | 18 19 29 | 64 45 27 | 3.0 | 2.00 | .15 | .70 | 1,000 | N | N | N | 30 | 500 | N | N | N | <5 | 15 |
| 84SJ053S | 18 20 27 | 64 45 32 | 7.0 | 2.00 | 3.00 | .70 | 1,500 | N | N | N | N | 500 | N | N | N | 10 | 50 |
| 84SJ054S | 18 20 29 | 64 45 34 | 7.0 | 2.00 | 3.00 | 1.00 | 1,000 | N | N | N | 15 | 150 | N | N | N | 15 | 70 |
| 84SJ055S | 18 20 19 | 64 45 36 | 5.0 | 2.00 | 2.00 | .70 | 1,000 | N | N | N | 20 | 150 | N | N | N | 10 | 150 |
| 84SJ056S | 18 20 21 | 64 45 41 | 7.0 | 2.00 | 3.00 | 1.00 | 2,000 | N | N | N | 20 | 150 | N | N | N | 15 | 200 |
| 84SJ057S | 18 20 7 | 64 45 42 | 2.0 | .30 | 1.50 | .70 | 500 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 15 |
| 84SJ058S | 18 20 4 | 64 45 51 | 3.0 | .70 | 1.50 | .70 | 1,000 | N | N | N | 30 | 200 | <1.0 | N | N | 7 | 30 |
| 84SJ059S | 18 19 22 | 64 46 48 | 10.0 | 2.00 | 3.00 | .70 | 2,000 | N | N | N | 20 | 300 | N | N | N | 30 | 50 |
| 84SJ060S | 18 20 15 | 64 43 17 | 2.0 | 1.00 | .20 | .30 | 500 | <.5 | N | N | 30 | 3,000 | <1.0 | N | N | N | 20 |
| 84SJ061S | 18 20 5 | 64 43 29 | 5.0 | 1.00 | 2.00 | 1.00 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 10 | 20 |
| 84SJ062S | 18 20 4 | 64 43 34 | 3.0 | 1.00 | .20 | .50 | 500 | N | N | N | 20 | 700 | <1.0 | N | N | <5 | 15 |
| 84SJ063S | 18 20 2 | 64 43 39 | 3.0 | .70 | .50 | .50 | 300 | N | N | N | 10 | 1,000 | <1.0 | N | N | 10 | 15 |
| 84SJ064S | 18 20 8 | 64 43 40 | 5.0 | .30 | .05 | .50 | 700 | N | N | N | 30 | 700 | <1.0 | N | N | 20 | 20 |
| 84SJ065S | 18 20 11 | 64 43 40 | 10.0 | .20 | <.05 | .70 | 70 | N | N | N | 30 | 5,000 | N | N | N | N | 50 |
| 84SJ066S | 18 20 16 | 64 43 42 | 5.0 | .30 | <.05 | .70 | 70 | N | N | N | 30 | 500 | <1.0 | N | N | N | 15 |
| 84SJ067S | 18 20 21 | 64 43 51 | 3.0 | .70 | <.05 | 1.00 | 150 | N | N | N | 20 | 3,000 | N | <10 | N | N | 20 |
| 84SJ068S | 18 20 29 | 64 43 59 | 2.0 | .70 | 1.00 | .50 | 700 | N | N | N | 30 | 300 | <1.0 | N | N | 5 | 15 |
| 84SJ069S | 18 20 33 | 64 44 15 | 7.0 | 3.00 | 1.50 | .70 | 700 | N | N | N | 10 | 300 | <1.0 | N | N | 10 | 70 |
| 84SJ070S | 18 20 39 | 64 46 18 | 10.0 | 3.00 | 5.00 | .70 | 1,000 | N | N | N | 20 | 150 | N | N | N | 30 | 150 |
| 84SJ071S | 18 20 32 | 64 46 7 | 7.0 | 1.00 | 5.00 | .70 | 1,500 | N | N | N | 30 | 300 | N | N | N | 20 | 70 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ017S | 200 | <20 | N | N | <5 | 15 | N | 10 | N | N | 300 | N | 20 | N | 20 | N |
| 84SJ018S | 500 | N | N | N | 15 | <10 | N | 30 | N | <100 | 500 | N | 20 | N | 30 | N |
| 84SJ020S | 150 | <20 | 20 | N | 15 | 10 | N | 20 | N | 300 | 300 | <50 | 70 | N | 200 | N |
| 84SJ021S | 70 | <20 | N | N | 5 | 10 | N | 15 | N | 150 | 200 | N | 20 | N | 50 | N |
| 84SJ022S | 30 | <20 | N | N | 5 | 10 | N | 10 | N | 100 | 150 | N | 20 | N | 70 | N |
| 84SJ023S | 70 | <20 | N | N | 5 | 20 | N | 10 | N | 100 | 150 | N | 30 | N | 70 | N |
| 84SJ025S | 100 | <20 | N | N | 10 | 10 | N | 10 | N | <100 | 300 | N | 20 | N | 50 | N |
| 84SJ026S | 30 | <20 | N | N | <5 | 10 | N | 5 | N | 100 | 70 | N | 30 | N | 70 | N |
| 84SJ027S | 30 | <20 | N | N | 7 | 15 | N | 5 | N | 100 | 150 | N | 30 | N | 100 | N |
| 84SJ028S | 200 | <20 | N | N | 15 | 10 | N | 15 | N | N | 500 | N | 30 | N | 50 | N |
| 84SJ029S | 300 | N | 50 | N | 70 | 10 | N | 20 | N | <100 | 300 | N | 30 | N | 100 | N |
| 84SJ030S | 70 | N | N | N | 20 | 15 | N | 20 | N | 100 | 300 | N | 30 | N | 100 | N |
| 84SJ032S | 30 | 20 | N | N | 10 | 20 | N | 15 | N | 150 | 150 | N | 30 | N | 100 | N |
| 84SJ033S | 70 | N | N | N | 20 | 50 | N | 20 | <10 | 300 | 200 | N | 30 | N | 100 | N |
| 84SJ034S | 70 | N | N | N | 20 | 50 | N | 20 | N | 100 | 200 | N | 30 | N | 70 | N |
| 84SJ035S | 100 | N | N | N | 15 | 15 | N | 15 | N | N | 200 | N | 30 | N | 150 | N |
| 84SJ036S | 70 | N | N | N | 50 | 15 | N | 20 | N | N | 300 | N | 30 | N | 70 | N |
| 84SJ037S | 30 | <20 | N | N | <5 | <10 | N | 7 | N | N | 150 | N | 30 | N | 70 | N |
| 84SJ038S | 200 | N | N | N | 70 | 10 | N | 30 | N | 100 | 500 | N | 30 | N | 70 | N |
| 84SJ042S | 70 | <20 | N | N | 20 | 10 | N | 20 | N | 150 | 200 | N | 30 | N | 150 | N |
| 84SJ044S | 30 | <20 | 100 | N | 20 | 10 | N | 10 | N | 100 | 100 | <50 | 50 | N | 70 | N |
| 84SJ046S | 50 | <20 | N | N | 5 | 50 | N | 10 | 50 | 200 | 150 | N | 30 | N | 100 | N |
| 84SJ048S | 50 | <20 | N | N | 5 | 15 | N | 20 | N | <100 | 150 | N | 50 | N | 70 | N |
| 84SJ049S | 70 | <20 | N | N | 7 | 15 | N | 10 | N | 150 | 150 | N | 30 | N | 100 | N |
| 84SJ050S | 70 | <20 | N | N | 15 | 15 | N | 15 | N | N | 200 | N | 30 | N | 100 | N |
| 84SJ051S | 500 | <20 | N | N | <5 | 15 | N | 10 | N | N | 70 | N | 30 | N | 150 | N |
| 84SJ053S | 150 | N | N | N | 7 | 20 | N | 30 | N | 200 | 700 | N | 30 | N | 70 | N |
| 84SJ054S | 200 | N | N | N | 20 | 30 | N | 30 | N | 300 | 700 | N | 20 | N | 50 | N |
| 84SJ055S | 50 | N | N | N | 20 | 10 | N | 20 | N | 200 | 300 | N | 20 | N | 70 | N |
| 84SJ056S | 100 | <20 | 10 | N | 70 | 15 | N | 30 | N | 200 | 500 | N | 30 | N | 70 | N |
| 84SJ057S | 10 | <20 | N | N | 5 | <10 | N | 10 | N | 100 | 150 | N | 20 | N | 70 | N |
| 84SJ058S | 30 | <20 | N | N | 10 | 10 | N | 15 | N | 100 | 150 | N | 30 | N | 100 | N |
| 84SJ059S | 500 | N | 15 | N | 100 | 15 | N | 30 | 15 | 500 | 300 | N | 30 | N | 100 | N |
| 84SJ060S | 500 | <20 | N | N | 10 | 100 | N | 5 | N | N | 500 | N | 10 | 3,000 | 70 | N |
| 84SJ061S | 100 | <20 | N | N | 10 | 30 | N | 20 | N | 500 | 300 | N | 30 | N | 150 | N |
| 84SJ062S | 15 | N | N | N | 10 | 20 | N | 15 | N | <100 | 150 | N | 30 | N | 100 | N |
| 84SJ063S | 20 | N | N | N | 10 | <10 | N | 15 | N | <100 | 200 | N | 30 | N | 100 | N |
| 84SJ064S | 300 | <20 | N | N | 10 | 70 | N | 5 | N | N | 200 | N | 20 | 500 | 70 | N |
| 84SJ065S | 700 | <20 | 100 | N | 10 | 150 | N | 5 | N | N | 300 | N | 20 | N | 100 | N |
| 84SJ066S | 700 | <20 | 20 | N | 7 | 15 | N | 10 | N | N | 200 | N | 30 | N | 200 | N |
| 84SJ067S | 500 | N | 200 | N | 10 | 30 | N | 10 | N | N | 200 | N | 15 | N | 200 | N |
| 84SJ068S | 20 | <20 | N | N | 10 | <10 | N | 10 | N | 100 | 150 | N | 30 | N | 100 | N |
| 84SJ069S | 30 | N | N | N | 30 | 10 | N | 20 | N | 100 | 300 | N | 30 | N | 200 | N |
| 84SJ070S | 200 | N | N | N | 70 | 20 | N | 30 | N | 300 | 700 | N | 30 | N | 70 | N |
| 84SJ071S | 150 | <20 | N | N | 20 | 20 | N | 30 | N | 500 | 700 | N | 30 | N | 70 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ072S | 18 20 43 | 64 45 40 | 7.0 | 1.50 | 5.00 | .70 | 1,000 | N | N | N | 30 | 300 | N | N | N | 10 | 100 |
| 84SJ073S | 18 20 20 | 64 46 22 | 3.0 | .70 | .70 | .50 | 700 | N | N | N | 30 | 200 | <1.0 | N | N | 5 | 30 |
| 84SJ074S | 18 20 9 | 64 46 13 | 3.0 | .70 | 1.50 | .70 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 5 | 20 |
| 84SJ075S | 18 20 5 | 64 46 16 | 5.0 | .70 | 1.50 | 1.00 | 700 | N | N | N | 30 | 300 | <1.0 | N | N | 7 | 20 |
| 84SJ076S | 18 20 4 | 64 46 37 | 5.0 | 1.00 | 3.00 | .70 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 30 |
| 84SJ077S | 18 20 7 | 64 46 36 | 5.0 | 2.00 | 1.50 | .70 | 700 | N | N | N | 30 | 200 | <1.0 | N | N | 10 | 70 |
| 84SJ078S | 18 19 47 | 64 46 40 | 3.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 30 | 150 | N | N | N | 10 | 100 |
| 84SJ079S | 18 20 10 | 64 47 27 | 5.0 | 1.50 | 2.00 | .70 | 1,000 | N | N | N | 30 | 200 | <1.0 | N | N | 10 | 150 |
| 84SJ081S | 18 20 50 | 64 44 31 | 5.0 | 2.00 | 1.00 | .70 | 1,500 | N | N | N | 15 | 150 | <1.0 | N | N | 10 | 30 |
| 84SJ082S | 18 20 51 | 64 44 32 | 5.0 | 2.00 | 1.50 | 1.00 | 2,000 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 50 |
| 84SJ083S | 18 20 31 | 64 44 27 | 7.0 | 2.00 | 1.50 | .70 | 1,500 | N | N | N | 30 | 200 | <1.0 | N | N | 10 | 10 |
| 84SJ084S | 18 20 28 | 64 44 30 | 5.0 | 2.00 | 1.50 | .70 | 700 | N | N | N | 20 | 200 | <1.0 | N | N | 10 | 10 |
| 84SJ085S | 18 20 14 | 64 44 23 | 7.0 | 2.00 | 1.50 | .70 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 10 |
| 84SJ086S | 18 19 58 | 64 44 23 | 3.0 | 1.00 | .30 | .70 | 700 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 10 |
| 84SJ087S | 18 19 44 | 64 44 27 | 3.0 | 1.00 | 1.50 | .70 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 15 |
| 84SJ088S | 18 21 17 | 64 47 36 | 5.0 | 2.00 | 2.00 | .70 | 700 | N | N | N | 20 | 500 | <1.0 | N | N | 20 | 30 |
| 84SJ090S | 18 21 45 | 64 48 31 | 5.0 | 2.00 | 1.50 | 1.00 | 1,500 | N | N | N | 50 | 500 | <1.0 | N | N | 15 | 20 |
| 84SJ091S | 18 21 38 | 64 49 0 | 10.0 | 2.00 | 2.00 | 1.00 | 2,000 | N | N | N | 10 | 700 | N | N | N | 30 | 20 |
| 84SJ092S | 18 21 41 | 64 49 16 | 5.0 | 1.50 | 3.00 | .70 | 1,500 | N | N | N | 30 | 1,000 | <1.0 | N | N | 10 | 10 |
| 84SJ093S | 18 21 43 | 64 49 31 | 5.0 | 2.00 | 20.00 | .70 | 1,500 | N | N | N | 10 | 700 | N | N | N | 15 | 10 |
| 84SJ094S | 18 22 9 | 64 48 25 | 5.0 | 2.00 | 10.00 | .70 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 10 | 15 |
| 84SJ097S | 18 22 13 | 64 44 55 | 5.0 | 1.50 | 2.00 | .70 | 1,500 | N | N | N | 30 | 1,000 | <1.0 | N | N | 10 | 15 |
| 84SJ098S | 18 22 21 | 64 44 20 | 5.0 | 1.50 | 2.00 | 1.00 | 1,500 | N | N | N | 20 | 700 | <1.0 | N | N | 10 | 20 |
| 84SJ099S | 18 22 3 | 64 43 5 | 7.0 | 2.00 | 3.00 | 1.00 | 1,500 | N | N | N | 10 | 700 | <1.0 | N | N | 15 | 10 |
| 84SJ100S | 18 21 44 | 64 42 32 | 7.0 | 1.50 | 2.00 | 1.00 | 2,000 | N | N | N | 30 | 150 | N | N | N | 15 | 20 |
| 84SJ101S | 18 20 58 | 64 41 11 | 7.0 | 3.00 | 2.00 | .70 | 1,500 | N | N | N | 15 | 100 | <1.0 | N | N | 20 | 70 |
| 84SJ102S | 18 20 49 | 64 41 27 | 7.0 | 3.00 | 2.00 | .70 | 2,000 | N | N | N | 20 | 100 | N | N | N | 30 | 200 |
| 84SJ103S | 18 20 18 | 64 40 6 | 3.0 | 1.50 | .50 | .70 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | 10 |
| 84SJ104S | 18 20 44 | 64 40 10 | 5.0 | 1.50 | 1.50 | .70 | 1,000 | N | N | N | 15 | 200 | N | N | N | 7 | 15 |
| 84SJ105S | 18 21 48 | 64 41 43 | 7.0 | 3.00 | 3.00 | .70 | 1,500 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 20 |
| 84SJ106S | 18 18 59 | 64 43 15 | 3.0 | 1.50 | 1.00 | .70 | 1,000 | N | N | N | 50 | 500 | 1.0 | N | N | 5 | 10 |
| 84SJ107S | 18 18 40 | 64 42 36 | 7.0 | 2.00 | 2.00 | .70 | 1,000 | N | N | N | 15 | 100 | N | N | N | 20 | 20 |
| 84SJ108S | 18 18 22 | 64 42 13 | 7.0 | 2.00 | 2.00 | .70 | 1,500 | N | N | N | 15 | 100 | N | N | N | 30 | 20 |
| 84SJ109S | 18 19 8 | 64 41 21 | 3.0 | .70 | .70 | .70 | 700 | N | N | N | 10 | 150 | <1.0 | N | N | 7 | 10 |
| 84SJ110S | 18 19 43 | 64 39 5 | 7.0 | 3.00 | 2.00 | 1.00 | 1,500 | N | N | N | 20 | 150 | N | N | N | 30 | 150 |
| 84SJ200S | 18 20 46 | 64 44 59 | 3.0 | .70 | 1.50 | .70 | 700 | N | N | N | 15 | 150 | N | N | N | 10 | 20 |
| 84SJ201S | 18 20 47 | 64 44 56 | 2.0 | .30 | 1.00 | .50 | 300 | N | N | N | 20 | 200 | <1.0 | N | N | 5 | 20 |
| 84SJ202S | 18 20 40 | 64 44 52 | 2.0 | .50 | 1.00 | .30 | 300 | N | N | N | 20 | 200 | <1.0 | N | N | N | 10 |
| 84SJ203S | 18 20 35 | 64 44 59 | 5.0 | 1.50 | 1.50 | .70 | 1,000 | N | N | N | 15 | 150 | N | N | N | 10 | 10 |
| 84SJ205S | 18 20 22 | 64 44 48 | 2.0 | 1.00 | 1.00 | .50 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 5 | 10 |
| 84SJ206S | 18 20 14 | 64 44 52 | 3.0 | .50 | .50 | .50 | 700 | N | N | N | 30 | 200 | 1.0 | N | N | 5 | 15 |
| 84SJ207S | 18 19 38 | 64 44 56 | 5.0 | 2.00 | 2.00 | 1.00 | 1,000 | N | N | N | 20 | 150 | N | N | N | 15 | 50 |
| 84SJ601S | 18 19 43 | 64 46 23 | 3.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 70 | 100 | <1.0 | N | N | 15 | 100 |
| 84SJ602S | 18 20 5 | 64 46 24 | 3.0 | 1.00 | 1.50 | .30 | 700 | N | N | N | 50 | 150 | <1.0 | N | N | 10 | 30 |
| 84SJ603S | 18 19 29 | 64 46 26 | 3.0 | 1.00 | 1.50 | .30 | 700 | N | N | N | 30 | 70 | <1.0 | N | N | 20 | 50 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ072S | 100 | <20 | N | N | 15 | 30 | N | 30 | N | 300 | 700 | N | 30 | N | 70 | N |
| 84SJ073S | 50 | 20 | N | N | 7 | 10 | N | 5 | N | N | 150 | N | 30 | N | 100 | N |
| 84SJ074S | 10 | <20 | N | N | <5 | <10 | N | 5 | N | N | 70 | N | 20 | N | 150 | N |
| 84SJ075S | 50 | <20 | N | N | 5 | 10 | N | 15 | N | 150 | 200 | N | 30 | N | 150 | N |
| 84SJ076S | 70 | <20 | N | N | 10 | 10 | N | 20 | N | 300 | 500 | N | 20 | N | 100 | N |
| 84SJ077S | 70 | N | N | N | 70 | 10 | N | 10 | N | 300 | 300 | N | 15 | N | 100 | N |
| 84SJ078S | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 100 | 300 | N | 20 | N | 30 | N |
| 84SJ079S | 70 | 1 | N | N | 20 | 15 | N | 15 | N | 500 | 300 | N | 20 | N | 100 | N |
| 84SJ081S | 50 | <20 | N | N | 15 | 10 | N | 20 | N | <100 | 200 | N | 20 | N | 70 | N |
| 84SJ082S | 100 | <20 | N | N | 20 | 15 | N | 15 | N | 150 | 200 | N | 30 | N | 100 | N |
| 84SJ083S | 50 | N | N | N | 15 | 15 | N | 20 | N | 200 | 200 | N | 50 | N | 100 | N |
| 84SJ084S | 50 | N | N | N | 15 | 10 | N | 20 | N | 150 | 300 | N | 30 | N | 100 | N |
| 84SJ085S | 150 | N | 15 | N | 15 | 15 | N | 20 | N | 100 | 200 | N | 30 | 200 | 100 | N |
| 84SJ086S | 30 | <20 | N | N | 10 | 10 | N | 10 | N | N | 100 | N | 30 | N | 100 | N |
| 84SJ087S | 50 | <20 | N | N | 10 | 10 | N | 10 | N | 300 | 150 | N | 30 | N | 70 | N |
| 84SJ088S | 150 | <20 | N | N | 30 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 70 | N |
| 84SJ090S | 200 | <20 | N | N | 15 | 20 | N | 10 | N | 300 | 200 | N | 20 | N | 150 | N |
| 84SJ091S | 500 | N | N | N | 15 | 10 | N | 30 | N | 500 | 500 | N | 30 | N | 50 | N |
| 84SJ092S | 150 | <20 | N | N | 15 | 200 | N | 7 | 100 | 1,000 | 200 | N | 20 | 200 | 100 | N |
| 84SJ093S | 100 | N | N | N | 15 | 15 | N | 10 | N | 2,000 | 200 | N | 20 | N | 50 | N |
| 84SJ094S | 100 | <20 | N | N | 7 | 100 | N | 10 | N | 700 | 200 | N | 20 | N | 70 | N |
| 84SJ097S | 200 | <20 | N | N | 20 | 20 | N | 15 | N | 300 | 200 | N | 30 | N | 100 | N |
| 84SJ098S | 150 | N | N | N | 15 | 20 | N | 10 | N | 500 | 200 | N | 20 | N | 70 | N |
| 84SJ099S | 200 | N | N | N | 15 | 50 | N | 20 | N | 300 | 300 | N | 30 | N | 70 | N |
| 84SJ100S | 70 | N | 30 | N | 15 | 10 | N | 20 | N | 150 | 300 | N | 30 | N | 50 | N |
| 84SJ101S | 100 | N | N | N | 30 | 10 | N | 30 | N | 100 | 500 | N | 20 | N | 50 | N |
| 84SJ102S | 300 | N | N | N | 30 | 10 | N | 20 | N | 100 | 300 | N | 30 | N | 70 | N |
| 84SJ103S | 70 | <20 | N | N | 7 | <10 | N | 7 | N | N | 150 | N | 30 | N | 100 | N |
| 84SJ104S | 30 | <20 | N | N | 7 | 10 | N | 7 | N | <100 | 200 | N | 30 | N | 70 | N |
| 84SJ105S | 300 | N | N | N | 15 | 10 | N | 15 | N | 300 | 300 | N | 20 | N | 100 | N |
| 84SJ106S | 20 | <20 | N | N | 5 | 15 | N | 7 | N | N | 70 | N | 30 | N | 100 | N |
| 84SJ107S | 150 | <20 | N | N | 50 | <10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ108S | 70 | <20 | N | N | 30 | 10 | N | 30 | N | 200 | 500 | N | 20 | N | 30 | N |
| 84SJ109S | 7 | <20 | N | N | <5 | 10 | N | 15 | N | 100 | 200 | N | 20 | N | 150 | N |
| 84SJ110S | 100 | <20 | N | N | 100 | 15 | N | 20 | N | 150 | 500 | N | 30 | N | 70 | N |
| 84SJ200S | 70 | <20 | N | N | <5 | 15 | N | 15 | N | N | 300 | N | 20 | N | 70 | N |
| 84SJ201S | 20 | <20 | <5 | N | <5 | 15 | N | 10 | N | N | 100 | N | 15 | N | 70 | N |
| 84SJ202S | 10 | <20 | N | N | <5 | 15 | N | 7 | N | <100 | 70 | N | 20 | N | 100 | N |
| 84SJ203S | 100 | N | N | N | 10 | 15 | N | 20 | N | 100 | 300 | N | 20 | N | 100 | N |
| 84SJ205S | 15 | <20 | N | N | <5 | 10 | N | 10 | N | 100 | 150 | N | 15 | N | 70 | N |
| 84SJ206S | 20 | <20 | N | N | 5 | 10 | N | 15 | N | N | 70 | N | 50 | N | 150 | N |
| 84SJ207S | 150 | <20 | N | N | 50 | 15 | N | 20 | N | 150 | 700 | N | 20 | N | 50 | N |
| 84SJ601S | 100 | <20 | N | N | 15 | 30 | N | 30 | N | 200 | 200 | N | 15 | N | 30 | N |
| 84SJ602S | 70 | 20 | N | N | 15 | <10 | N | 15 | N | 300 | 200 | N | 15 | N | 50 | N |
| 84SJ603S | 100 | <20 | N | N | 15 | <10 | N | 30 | N | 200 | 300 | N | 15 | N | 30 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ604S | 18 19 24 | 64 46 0 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 30 | 70 | <1.0 | N | N | 15 | 50 |
| 84SJ605S | 18 19 47 | 64 45 55 | 3.0 | .50 | 1.00 | .30 | 700 | N | N | N | 30 | 150 | <1.0 | N | N | 5 | 30 |
| 84SJ606S | 18 21 14 | 64 45 13 | 5.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | <10 | 70 | N | N | N | 30 | 20 |
| 84SJ607S | 18 21 33 | 64 45 2 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | N | 150 | <1.0 | N | N | 20 | 100 |
| 84SJ608S | 18 21 27 | 64 44 54 | 5.0 | 1.50 | 1.00 | .30 | 700 | N | N | N | 30 | 70 | N | N | N | 15 | 20 |
| 84SJ609S | 18 21 41 | 64 44 23 | 5.0 | 2.00 | 2.00 | .50 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 30 | 100 |
| 84SJ610S | 18 21 58 | 64 44 11 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 10 | 500 | <1.0 | N | N | 20 | 30 |
| 84SJ611S | 18 22 2 | 64 44 29 | 5.0 | 1.00 | 3.00 | .50 | 1,500 | N | N | N | 10 | 500 | <1.0 | N | N | 20 | 30 |
| 84SJ612S | 18 21 59 | 64 43 41 | 5.0 | 1.50 | 10.00 | .50 | 1,000 | 2.0 | N | N | 30 | 1,500 | 1.0 | N | N | 15 | 100 |
| 84SJ613S | 18 21 57 | 64 43 12 | 3.0 | 1.50 | 20.00 | .20 | 500 | .7 | N | N | 50 | 700 | <1.0 | N | N | 10 | 150 |
| 84SJ614S | 18 21 35 | 64 44 16 | 5.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | 10 | 200 | <1.0 | N | N | 30 | 70 |
| 84SJ615S | 18 21 14 | 64 45 45 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 100 | <1.0 | N | N | 50 | 30 |
| 84SJ616S | 18 21 11 | 64 46 6 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 20 | 50 |
| 84SJ617S | 18 21 10 | 64 46 38 | 5.0 | 3.00 | 3.00 | .30 | 1,500 | N | N | N | 20 | 30 | <1.0 | N | N | 20 | 70 |
| 84SJ618S | 18 20 55 | 64 46 59 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 70 | <20 | N | N | N | 20 | 50 |
| 84SJ619S | 18 20 39 | 64 46 50 | 5.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 15 | 70 |
| 84SJ620S | 18 20 34 | 64 47 14 | 5.0 | 2.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 100 | <1.0 | N | N | 50 | 50 |
| 84SJ621S | 18 20 34 | 64 47 14 | 5.0 | 1.50 | 2.00 | .50 | 700 | N | N | N | 30 | 150 | <1.0 | N | N | 15 | 50 |
| 84SJ622S | 18 20 19 | 64 47 36 | 3.0 | .70 | 2.00 | .50 | 700 | N | N | N | 30 | 100 | <1.0 | N | N | 10 | 30 |
| 84SJ623S | 18 19 54 | 64 47 56 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 20 | 100 | N | N | N | 30 | 30 |
| 84SJ624S | 18 20 1 | 64 47 15 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 30 | 200 | N | N | N | 70 | 200 |
| 84SJ625S | 18 20 3 | 64 47 1 | 3.0 | 1.00 | 3.00 | .30 | 700 | N | N | N | 20 | 150 | <1.0 | N | N | 15 | 100 |
| 84SJ626S | 18 20 17 | 64 46 42 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 30 | 70 |
| 84SJ627S | 18 20 55 | 64 46 23 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 30 | 50 |
| 84SJ628S | 18 21 25 | 64 44 10 | 5.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | 20 | 500 | <1.0 | N | N | 20 | 30 |
| 84SJ629S | 18 19 38 | 64 47 39 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 20 | 100 | N | N | N | 30 | 50 |
| 84SJ630S | 18 19 40 | 64 47 8 | 5.0 | 2.00 | 15.00 | .30 | 700 | N | N | N | 30 | 100 | N | N | N | 10 | 200 |
| 84SJ631S | 18 19 10 | 64 47 23 | 3.0 | .15 | .10 | .30 | 150 | 1.5 | N | N | 30 | 5,000 | <1.0 | 10 | N | <5 | 50 |
| 84SJ632S | 18 19 4 | 64 47 19 | 3.0 | 1.50 | .10 | .30 | 500 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 70 |
| 84SJ633S | 18 19 17 | 64 47 11 | 5.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 70 | <1.0 | N | N | 30 | 150 |
| 84SJ634S | 18 19 24 | 64 46 53 | 5.0 | .70 | 1.50 | .30 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 20 | 150 |
| 84SJ635S | 18 19 12 | 64 46 56 | 3.0 | .50 | .15 | .30 | 2,000 | N | N | N | 50 | 300 | <1.0 | N | N | 20 | 30 |
| 84SJ636S | 18 18 53 | 64 46 56 | 5.0 | 1.50 | 1.00 | .30 | 700 | N | N | N | 20 | 20 | <1.0 | N | N | 20 | 50 |
| 84SJ637S | 18 19 12 | 64 46 36 | 5.0 | 1.00 | 1.50 | .70 | 1,000 | N | N | N | 30 | 70 | N | N | N | 15 | 50 |
| 84SJ638S | 18 20 38 | 64 46 24 | 5.0 | 2.00 | 3.00 | .30 | 1,000 | N | N | N | 15 | 100 | N | N | N | 30 | 200 |
| 84SJ639S | 18 20 44 | 64 45 57 | 5.0 | 2.00 | 3.00 | .30 | 1,000 | N | N | N | 10 | 150 | N | N | N | 30 | 70 |
| 84SJ640S | 18 20 44 | 64 45 30 | 5.0 | 3.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 300 | <1.0 | N | N | 30 | 100 |
| 84SJ641S | 18 19 12 | 64 45 33 | 3.0 | .70 | .70 | .50 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 10 | 50 |
| 84SJ642S | 18 19 12 | 64 45 25 | 5.0 | .70 | 1.50 | .70 | 1,000 | N | N | N | 30 | 100 | <1.0 | N | N | 30 | 30 |
| 84SJ644S | 18 19 22 | 64 45 45 | 3.0 | 1.00 | .70 | .50 | 1,000 | N | N | N | 30 | 150 | N | N | N | 15 | 30 |
| 84SJ645S | 18 19 56 | 64 45 55 | 2.0 | .30 | 1.50 | .30 | 700 | N | N | N | 70 | 150 | 1.0 | N | N | 5 | 20 |
| 84SJ646S | 18 20 18 | 64 40 29 | 5.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 15 | 150 | <1.0 | N | N | 10 | 70 |
| 84SJ647S | 18 20 44 | 64 40 27 | 5.0 | 1.00 | 1.50 | .70 | 1,000 | N | N | N | 20 | 100 | <1.0 | N | N | 20 | 70 |
| 84SJ648S | 18 21 4 | 64 40 51 | 5.0 | 1.50 | 2.00 | .70 | 1,000 | N | N | N | 10 | 150 | <1.0 | N | N | 15 | 15 |
| 84SJ649S | 18 21 17 | 64 41 13 | 3.0 | .70 | .70 | .30 | 1,000 | N | N | N | 15 | 70 | <1.0 | N | N | 15 | 20 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ604S | 150 | 20 | N | N | 20 | <10 | N | 30 | N | 150 | 200 | N | 15 | N | 20 | N |
| 84SJ605S | 30 | 20 | N | N | 10 | <10 | N | 20 | N | <100 | 100 | N | 50 | N | 150 | N |
| 84SJ606S | 100 | <20 | N | N | 10 | 10 | N | 30 | N | <100 | 300 | N | 15 | N | 20 | N |
| 84SJ607S | 100 | 20 | N | N | 30 | <10 | N | 30 | N | 150 | 200 | N | 15 | N | 30 | N |
| 84SJ608S | 150 | <20 | N | N | 7 | <10 | N | 30 | N | N | 300 | N | 15 | N | 15 | N |
| 84SJ609S | 150 | <20 | N | N | 30 | 20 | N | 20 | N | 200 | 200 | N | 20 | N | 70 | N |
| 84SJ610S | 150 | <20 | N | N | 20 | <10 | N | 20 | N | 300 | 150 | N | 20 | N | 30 | N |
| 84SJ611S | 100 | <20 | N | N | 15 | 15 | N | 20 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SJ612S | 150 | 20 | N | N | 70 | 10 | N | 10 | N | 500 | 200 | N | 30 | <200 | 50 | N |
| 84SJ613S | 100 | <20 | N | N | 50 | 70 | N | 7 | N | 2,000 | 100 | N | 15 | N | 30 | N |
| 84SJ614S | 150 | <20 | N | N | 30 | <10 | N | 30 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SJ615S | 100 | <20 | N | N | 20 | 10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ616S | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ617S | 100 | <20 | N | N | 15 | <10 | N | 30 | N | 150 | 300 | N | 15 | N | 20 | N |
| 84SJ618S | 100 | 20 | N | N | 20 | 10 | N | 30 | N | 150 | 300 | N | 15 | <200 | 20 | N |
| 84SJ619S | 150 | 20 | N | N | 50 | 150 | N | 30 | N | 150 | 200 | N | 20 | N | 50 | N |
| 84SJ620S | 150 | 20 | N | N | 30 | 20 | N | 30 | N | 300 | 300 | N | 15 | N | 50 | N |
| 84SJ621S | 150 | <20 | N | N | 30 | <10 | N | 20 | N | 300 | 300 | N | 15 | N | 100 | N |
| 84SJ622S | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 500 | 200 | N | 15 | N | 50 | N |
| 84SJ623S | 150 | <20 | N | N | 20 | 20 | N | 30 | N | 200 | 300 | N | 20 | N | 50 | N |
| 84SJ624S | 100 | 20 | N | N | 50 | 20 | N | 50 | N | 300 | 300 | N | 20 | N | 100 | N |
| 84SJ625S | 70 | 20 | N | N | 30 | 15 | N | 30 | N | 500 | 200 | N | 20 | N | 70 | N |
| 84SJ626S | 150 | 20 | N | N | 30 | 10 | N | 30 | N | 500 | 300 | N | 20 | N | 100 | N |
| 84SJ627S | 100 | <20 | N | N | 20 | 10 | N | 30 | N | 200 | 300 | N | 15 | N | 20 | N |
| 84SJ628S | 150 | N | N | N | 20 | 10 | N | 50 | N | 150 | 300 | N | 20 | N | 20 | N |
| 84SJ629S | 100 | <20 | N | N | 15 | <10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ630S | 150 | <20 | N | N | 20 | 20 | N | 30 | N | 200 | 200 | N | <10 | N | 20 | N |
| 84SJ631S | 150 | 20 | 30 | N | 10 | 300 | N | 15 | N | N | 100 | N | 20 | N | 50 | N |
| 84SJ632S | 50 | N | 10 | N | 15 | 10 | N | 15 | N | N | 100 | N | 20 | <200 | 50 | N |
| 84SJ633S | 100 | <20 | N | N | 50 | <10 | N | 30 | N | 100 | 200 | N | 20 | N | 30 | N |
| 84SJ634S | 100 | <20 | N | N | 20 | <10 | N | 30 | N | 200 | 200 | N | 20 | N | 100 | N |
| 84SJ635S | 30 | 20 | N | N | 5 | 15 | N | 7 | N | N | 70 | N | 20 | N | 100 | N |
| 84SJ636S | 20 | N | N | N | 30 | <10 | N | 30 | N | 100 | 300 | N | 15 | N | 30 | N |
| 84SJ637S | 150 | <20 | N | N | 20 | 10 | N | 30 | N | 200 | 300 | N | 20 | N | 50 | N |
| 84SJ638S | 150 | <20 | N | N | 70 | 10 | N | 30 | N | 300 | 300 | N | 15 | N | 30 | N |
| 84SJ639S | 100 | <20 | N | N | 30 | <10 | N | 30 | N | 300 | 300 | N | 15 | N | 30 | N |
| 84SJ640S | 150 | <20 | N | N | 50 | 10 | N | 30 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SJ641S | 70 | <20 | 15 | N | 15 | 15 | N | 15 | N | N | 150 | N | 20 | <200 | 100 | N |
| 84SJ642S | 150 | <20 | N | N | 20 | 10 | N | 20 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ644S | 150 | <20 | N | N | 10 | 15 | N | 30 | N | 150 | 200 | N | 20 | 200 | 100 | N |
| 84SJ645S | 20 | 20 | N | N | 7 | <10 | N | 10 | N | N | 100 | N | 20 | N | 100 | N |
| 84SJ646S | 30 | <20 | N | N | 30 | 150 | N | 20 | N | 500 | 100 | N | 20 | N | 100 | N |
| 84SJ647S | 70 | <20 | N | N | 15 | 10 | N | 20 | N | <100 | 200 | N | 30 | N | 100 | N |
| 84SJ648S | 100 | N | N | N | 15 | <10 | N | 30 | N | 200 | 200 | N | 30 | N | 150 | N |
| 84SJ649S | 20 | N | N | N | 10 | <10 | N | 20 | N | <100 | 150 | N | 20 | N | 100 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ650S | 18 21 30 | 64 41 40 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 30 | 100 | <1.0 | N | N | 10 | 50 |
| 84SJ651S | 18 21 30 | 64 41 40 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | 50 |
| 84SJ652S | 18 21 28 | 64 42 2 | 5.0 | 3.00 | 2.00 | .50 | 1,000 | N | N | N | N | 50 | N | N | N | 15 | 30 |
| 84SJ653S | 18 21 14 | 64 42 22 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 150 | <1.0 | N | N | 20 | 100 |
| 84SJ654S | 18 21 4 | 64 42 50 | 2.0 | .70 | .50 | .30 | 700 | N | N | N | 20 | 100 | <1.0 | N | N | 5 | 10 |
| 84SJ655S | 18 19 44 | 64 46 55 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 50 | 70 | <1.0 | N | N | 30 | 100 |
| 84SJ656S | 18 19 52 | 64 46 48 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 20 | 100 | <1.0 | N | N | 30 | 50 |
| 84SJ657S | 18 19 50 | 64 47 47 | 3.0 | .70 | 1.50 | .30 | 700 | N | N | N | 30 | 50 | <1.0 | N | N | 20 | 100 |
| 84SJ658S | 18 19 44 | 64 46 51 | 3.0 | 1.00 | 2.00 | .30 | 700 | N | N | N | 20 | 70 | <1.0 | N | N | 20 | 100 |
| 84SJ659S | 18 19 40 | 64 46 37 | 3.0 | 1.00 | 1.50 | .30 | 700 | N | N | N | 30 | 20 | <1.0 | N | N | 20 | 150 |
| 84SJ660S | 18 19 47 | 64 46 37 | 3.0 | .70 | 3.00 | .20 | 700 | N | N | N | 30 | 20 | <1.0 | N | N | 10 | 100 |
| 84SJ661S | 18 19 51 | 64 46 28 | 5.0 | 1.00 | 3.00 | .50 | 1,000 | N | N | N | 30 | 100 | <1.0 | N | N | 15 | 30 |
| 84SJ662S | 18 19 36 | 64 46 30 | 5.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 50 | 30 | <1.0 | N | N | 50 | 70 |
| 84SJ663S | 18 21 25 | 64 42 46 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 10 | 150 | <1.0 | N | N | 30 | 15 |
| 84SJ664S | 18 21 13 | 64 43 8 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | <10 | 30 | N | N | N | 15 | 10 |
| 84SJ665S | 18 21 25 | 64 43 27 | 5.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 70 | 100 | <1.0 | N | N | 20 | 20 |
| 84SJ666S | 18 21 19 | 64 43 55 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 15 | 10 |
| 84SJ667S | 18 21 0 | 64 44 13 | 3.0 | 1.00 | .15 | .50 | 300 | N | N | N | 15 | 100 | N | N | N | 5 | 20 |
| 84SJ668S | 18 20 59 | 64 44 35 | 5.0 | 1.50 | 1.50 | .70 | 1,000 | N | N | N | 30 | 70 | <1.0 | N | N | 20 | 70 |
| 84SJ669S | 18 20 48 | 64 45 1 | 5.0 | 3.00 | 1.00 | .50 | 700 | N | N | N | <10 | 70 | <1.0 | N | N | 20 | 200 |
| 84SJ670S | 18 20 49 | 64 44 21 | 5.0 | 1.50 | .15 | .30 | 1,500 | N | N | N | 15 | 100 | <1.0 | N | N | 70 | 70 |
| 84SJ671S | 18 20 42 | 64 44 15 | 3.0 | 2.00 | .70 | .30 | 700 | N | N | N | 10 | 70 | <1.0 | N | N | 15 | 10 |
| 84SJ672S | 18 20 34 | 64 44 11 | 3.0 | 2.00 | 1.50 | .30 | 500 | N | N | N | <10 | 20 | <1.0 | N | N | 15 | 50 |
| 84SJ673S | 18 20 29 | 64 44 2 | 2.0 | .70 | .50 | .30 | 150 | N | N | N | 15 | 70 | <1.0 | N | N | N | 50 |
| 84SJ674S | 18 20 20 | 64 43 51 | 3.0 | .50 | 1.00 | .30 | 700 | 2.0 | N | N | 20 | >5,000 | <1.0 | N | N | 10 | 15 |
| 84SJ675S | 18 20 19 | 64 43 45 | 7.0 | .20 | <.05 | 1.00 | 300 | .5 | N | N | N | 2,000 | <1.0 | N | N | 7 | 50 |
| 84SJ676S | 18 20 11 | 64 43 39 | 2.0 | .10 | .07 | .30 | 70 | <.5 | N | N | 30 | 5,000 | <1.0 | N | N | N | 50 |
| 84SJ677S | 18 20 4 | 64 43 38 | 3.0 | .70 | .70 | .30 | 700 | N | N | N | 15 | 1,000 | <1.0 | N | N | 10 | 30 |
| 84SJ678S | 18 20 6 | 64 43 29 | 3.0 | .50 | .70 | .50 | 300 | N | N | N | 20 | 100 | <1.0 | N | N | 7 | 15 |
| 84SJ679S | 18 20 14 | 64 43 44 | 3.0 | .05 | <.05 | .20 | 20 | N | N | N | 20 | <20 | <1.0 | N | N | N | 15 |
| 84SJ681S | 18 20 5 | 64 43 33 | 3.0 | 1.00 | .20 | .30 | 500 | N | N | N | 30 | 700 | <1.0 | N | N | <5 | 20 |
| 84SJ682S | 18 20 10 | 64 43 20 | 3.0 | .70 | 1.50 | .30 | 300 | N | N | N | 10 | 200 | <1.0 | N | N | 5 | 70 |
| 84SJ683S | 18 20 15 | 64 43 16 | 3.0 | .70 | .50 | .30 | 300 | N | N | N | 20 | 200 | <1.0 | N | N | <5 | 10 |
| 84SJ684S | 18 20 8 | 64 43 33 | 3.0 | .70 | .50 | .50 | 500 | .7 | N | N | 20 | >5,000 | <1.0 | N | N | 10 | 20 |
| 84SJ685S | 18 20 30 | 64 43 27 | 7.0 | 1.00 | 1.50 | .70 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 20 | 10 |
| 84SJ686S | 18 20 52 | 64 43 17 | 3.0 | .50 | .20 | .30 | 200 | N | N | N | 30 | <20 | <1.0 | N | N | <5 | 20 |
| 84SJ687S | 18 20 37 | 64 43 19 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | N | 150 | N | N | N | 10 | 20 |
| 84SJ688S | 18 20 23 | 64 43 12 | 3.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 50 |
| 84SJ689S | 18 20 10 | 64 43 42 | 5.0 | .15 | .15 | .70 | 200 | <.5 | N | N | 20 | 2,000 | N | N | N | <5 | 50 |
| 84SJ690S | 18 20 7 | 64 43 50 | 2.0 | .50 | 1.00 | .20 | 500 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 15 |
| 84SJ691S | 18 20 0 | 64 43 40 | 2.0 | .50 | .70 | .30 | 700 | .5 | N | N | 30 | 700 | <1.0 | N | N | 7 | 50 |
| 84SJ692S | 18 20 16 | 64 43 41 | 7.0 | .20 | <.05 | .70 | 30 | N | N | N | 50 | 1,000 | N | N | N | N | 30 |
| 84SJ693S | 18 21 6 | 64 43 40 | 3.0 | 1.00 | .70 | .50 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 50 |
| 84SJ694S | 18 20 40 | 64 42 56 | 5.0 | .70 | 1.00 | .50 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 20 | 20 |
| 84SJ695S | 18 20 29 | 64 42 50 | 5.0 | 1.50 | 1.50 | .70 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 15 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ650S | 30 | <20 | N | N | 15 | 10 | N | 10 | N | 150 | 150 | N | 20 | N | 70 | N |
| 84SJ651S | 30 | <20 | N | N | 15 | <10 | N | 7 | N | 150 | 100 | N | 20 | N | 100 | N |
| 84SJ652S | 30 | N | N | N | 20 | <10 | N | 30 | N | 150 | 200 | N | 20 | N | 50 | N |
| 84SJ653S | 100 | <20 | N | N | 30 | <10 | N | 30 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SJ654S | 20 | <20 | N | N | 7 | 10 | N | 10 | N | N | 70 | N | 20 | N | 70 | N |
| 84SJ655S | 70 | 20 | N | N | 20 | <10 | N | 30 | N | 200 | 200 | N | 10 | N | 20 | N |
| 84SJ656S | 100 | <20 | N | N | 30 | <10 | N | 30 | N | 200 | 300 | N | 15 | N | 30 | N |
| 84SJ657S | 100 | 20 | N | N | 20 | 15 | N | 30 | N | 200 | 200 | N | 15 | N | 2 | N |
| 84SJ658S | 100 | 20 | N | N | 20 | <10 | N | 30 | N | 200 | 200 | N | 15 | N | 30 | N |
| 84SJ659S | 100 | 2 | N | N | 30 | <10 | N | 30 | N | 150 | 300 | N | 15 | N | 20 | N |
| 84SJ660S | 50 | <20 | N | N | 10 | N | N | 30 | N | <100 | 200 | N | 10 | N | 15 | N |
| 84SJ661S | 70 | 20 | N | N | 15 | 20 | N | 30 | N | 300 | 200 | N | 20 | N | 100 | N |
| 84SJ662S | 100 | 20 | N | N | 20 | <10 | N | 30 | N | 100 | 200 | N | 10 | N | 20 | N |
| 84SJ663S | 200 | <20 | N | N | 10 | 15 | N | 50 | N | 150 | 500 | N | 20 | N | 20 | N |
| 84SJ664S | 150 | <20 | N | N | 7 | <10 | N | 30 | N | N | 500 | N | 15 | N | 20 | N |
| 84SJ665S | 150 | N | N | N | 7 | <10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ666S | 100 | <20 | N | N | 7 | <10 | N | 30 | N | <100 | 200 | N | 20 | <200 | 30 | N |
| 84SJ667S | 30 | <20 | N | N | <5 | <10 | N | 20 | N | N | 70 | N | 20 | N | 50 | N |
| 84SJ668S | 150 | <20 | N | N | 30 | <10 | N | 30 | N | 150 | 300 | N | 20 | <200 | 50 | N |
| 84SJ669S | 150 | <20 | N | N | 100 | <10 | N | 30 | N | <100 | 200 | N | 15 | N | 30 | N |
| 84SJ670S | 30 | <20 | N | N | 30 | <10 | N | 20 | N | N | 200 | N | 30 | <200 | 30 | N |
| 84SJ671S | 150 | <20 | N | N | 10 | 10 | N | 30 | N | N | 300 | N | 20 | N | 30 | N |
| 84SJ672S | 50 | <20 | N | N | 20 | <10 | N | 30 | N | 150 | 200 | N | 20 | N | 30 | N |
| 84SJ673S | 30 | <20 | N | N | 5 | N | N | 7 | N | <100 | 70 | N | 10 | N | 50 | N |
| 84SJ674S | 150 | 20 | N | N | 7 | 500 | N | 10 | N | 150 | 150 | N | 20 | 1,000 | 100 | N |
| 84SJ675S | 700 | N | N | N | 7 | 100 | N | 30 | N | N | 500 | N | 15 | 700 | 100 | N |
| 84SJ676S | 150 | <20 | 10 | N | <5 | 70 | N | 7 | N | N | 200 | N | 15 | N | 100 | N |
| 84SJ677S | 70 | 20 | N | N | 10 | 70 | N | 15 | N | N | 150 | N | 30 | 300 | 150 | N |
| 84SJ678S | 30 | <20 | N | N | 5 | 20 | N | 20 | N | N | 100 | N | 20 | N | 150 | N |
| 84SJ679S | 150 | N | N | N | 5 | <10 | N | 10 | N | N | 150 | N | 10 | N | 100 | N |
| 84SJ681S | 30 | <20 | N | N | 7 | 20 | N | 15 | N | N | 70 | N | 30 | N | 100 | N |
| 84SJ682S | 30 | <20 | N | N | 10 | <10 | N | 15 | N | <100 | 70 | N | 15 | N | 70 | N |
| 84SJ683S | 20 | <20 | N | N | 5 | N | N | 15 | N | N | 30 | N | 20 | N | 100 | N |
| 84SJ684S | 200 | N | 20 | N | 10 | 100 | N | 20 | N | N | 200 | N | 20 | 200 | 100 | N |
| 84SJ685S | 150 | <20 | N | N | 20 | 10 | N | 30 | N | <100 | 200 | N | 30 | N | 100 | N |
| 84SJ686S | 15 | <20 | N | N | 5 | N | N | 10 | N | N | 30 | N | 20 | N | 70 | N |
| 84SJ687S | 200 | N | N | N | 10 | <10 | N | 20 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ688S | 50 | <20 | N | N | 20 | 20 | N | 20 | N | <100 | 150 | N | 20 | N | 70 | N |
| 84SJ689S | 700 | <20 | 10 | N | <5 | 100 | N | 10 | N | N | 300 | N | N | N | 50 | N |
| 84SJ690S | 15 | 20 | N | N | 5 | <10 | N | 7 | N | N | 50 | N | <10 | N | 70 | N |
| 84SJ691S | 20 | <20 | N | N | 7 | 20 | N | 7 | N | N | 70 | N | <10 | N | 100 | N |
| 84SJ692S | 300 | 20 | 100 | N | 5 | 100 | N | 7 | N | 200 | 200 | N | 15 | N | 150 | N |
| 84SJ693S | 20 | <20 | N | N | 10 | <10 | N | 10 | N | N | 70 | N | 20 | N | 70 | N |
| 84SJ694S | 150 | <20 | N | N | 15 | 10 | N | 30 | N | N | 300 | N | 20 | N | 100 | N |
| 84SJ695S | 70 | <20 | N | N | 10 | 10 | N | 20 | N | 150 | 300 | N | 30 | N | 150 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ696S | 18 20 14 | 64 42 43 | 3.0 | .70 | .70 | .70 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 50 |
| 84SJ697S | 18 19 56 | 64 42 26 | 3.0 | 2.00 | 1.00 | .50 | 1,000 | N | N | N | 10 | 200 | <1.0 | N | N | 20 | 20 |
| 84SJ698S | 18 19 42 | 64 42 3 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 15 | 20 | <1.0 | N | N | 30 | 200 |
| 84SJ699S | 18 19 20 | 64 42 3 | 3.0 | 1.00 | .30 | .30 | 1,000 | N | N | N | 15 | 150 | <1.0 | N | N | 10 | 20 |
| 84SJ700S | 18 19 6 | 64 42 23 | 3.0 | .70 | .50 | .30 | 700 | N | N | N | 50 | 70 | <1.0 | N | N | 20 | 50 |
| 84SJ701S | 18 19 8 | 64 42 57 | 2.0 | .70 | .20 | .30 | 1,000 | N | N | N | 20 | 150 | 1.0 | N | N | 5 | 10 |
| 84SJ702S | 18 20 2 | 64 43 57 | 3.0 | 1.50 | .70 | .30 | 1,000 | N | N | N | 15 | 150 | <1.0 | N | N | 10 | 30 |
| 84SJ703S | 18 19 51 | 64 44 8 | 5.0 | 1.50 | 3.00 | .70 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 70 | 200 |
| 84SJ704S | 18 19 41 | 64 44 15 | 3.0 | 1.50 | 1.00 | .30 | 1,000 | N | N | N | 50 | 150 | <1.0 | N | N | 20 | 150 |
| 84SJ705S | 18 19 25 | 64 44 17 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 30 | 70 | <1.0 | N | N | 15 | 70 |
| 84SJ706S | 18 19 21 | 64 44 30 | 3.0 | .20 | .07 | .30 | 70 | .7 | N | N | 20 | 500 | <1.0 | N | N | N | 20 |
| 84SJ707S | 18 19 33 | 64 44 45 | 3.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 15 | 30 |
| 84SJ708S | 18 20 5 | 64 43 1 | 3.0 | 1.00 | .50 | .20 | 200 | N | N | N | 15 | 150 | <1.0 | N | N | 7 | 20 |
| 84SJ709S | 18 19 55 | 64 42 46 | 2.0 | .70 | .07 | .30 | 200 | N | N | N | 30 | 300 | <1.0 | N | N | <5 | 10 |
| 84SJ709S | 18 19 25 | 64 42 29 | 2.0 | .70 | .07 | .30 | 200 | N | N | N | 30 | 300 | <1.0 | N | N | <5 | 10 |
| 84SJ710S | 18 19 36 | 64 44 5 | 5.0 | 1.50 | .70 | .50 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | 20 |
| 84SJ711S | 18 19 23 | 64 43 52 | 2.0 | .30 | .15 | .20 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 15 |
| 84SJ712S | 18 19 34 | 64 43 29 | 2.0 | .50 | .50 | .20 | 1,000 | N | N | N | 20 | 150 | 1.5 | N | N | 7 | 20 |
| 84SJ713S | 18 19 34 | 64 43 29 | 2.0 | .50 | .70 | .20 | 1,000 | N | N | N | 20 | 150 | 1.5 | N | N | <5 | 10 |
| 84SJ714S | 18 19 43 | 64 43 15 | 3.0 | .70 | .50 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 10 |
| 84SJ715S | 18 19 15 | 64 43 14 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 100 | <1.0 | N | N | 15 | 50 |
| 84SJ716S | 18 20 33 | 64 44 45 | 3.0 | .70 | .70 | .30 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 10 | 15 |
| 84SJ717S | 18 20 47 | 64 44 45 | 2.0 | .70 | .15 | .30 | 700 | N | N | N | 30 | 150 | <1.0 | N | N | 10 | <10 |
| 84SJ718S | 18 20 47 | 64 44 45 | 1.5 | .70 | .20 | .30 | 300 | N | N | N | 20 | 150 | <1.0 | N | N | 5 | 15 |
| 84SJ719S | 18 20 37 | 64 44 32 | 2.0 | .70 | .20 | .30 | 1,000 | N | N | N | 50 | 150 | <1.0 | N | N | 7 | 15 |
| 84SJ720S | 18 20 12 | 64 44 24 | 3.0 | 1.00 | .15 | .30 | 1,000 | N | N | N | 20 | 200 | 1.0 | N | N | <5 | 20 |
| 84SJ721S | 18 19 56 | 64 44 30 | 3.0 | 1.00 | 1.00 | .30 | 700 | N | N | N | 20 | 150 | <1.0 | N | N | 10 | 50 |
| 84SJ722S | 18 19 13 | 64 44 25 | .5 | .15 | <.05 | .30 | <10 | N | N | N | 15 | 300 | <1.0 | N | N | N | 15 |
| 84SJ723S | 18 20 42 | 64 45 15 | 3.0 | 1.50 | 1.50 | .30 | 700 | N | N | N | N | 100 | <1.0 | N | N | 15 | 30 |
| 84SJ724S | 18 20 42 | 64 45 15 | 5.0 | 3.00 | 2.00 | .50 | 700 | N | N | N | 10 | 150 | <1.0 | N | N | 20 | 50 |
| 84SJ725S | 18 20 40 | 64 45 35 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 10 | 150 | N | N | N | 30 | 70 |
| 84SJ726S | 18 19 52 | 64 45 5 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 20 | 20 | N | N | N | 20 | 100 |
| 84SJ727S | 18 19 59 | 64 45 35 | 5.0 | 1.50 | 3.00 | .30 | 1,500 | N | N | N | 20 | 50 | N | N | N | 50 | 150 |
| 84SJ728S | 18 20 13 | 64 45 41 | 2.0 | .70 | 1.50 | .20 | 500 | N | N | N | 30 | 70 | <1.0 | N | N | 5 | 70 |
| 84SJ729S | 18 20 34 | 64 45 33 | 5.0 | 3.00 | 3.00 | .30 | 1,500 | N | N | N | <10 | 50 | N | N | N | 30 | 200 |
| 84SJ730S | 18 20 36 | 64 45 40 | 3.0 | 2.00 | 3.00 | .30 | 1,500 | N | N | N | 15 | 50 | <1.0 | N | N | 20 | 150 |
| 84SJ731S | 18 20 28 | 64 45 15 | 5.0 | 3.00 | 5.00 | .30 | 1,000 | N | N | N | 20 | 100 | <1.0 | N | N | 50 | 150 |
| 84SJ732S | 18 20 31 | 64 45 24 | 3.0 | 3.00 | 3.00 | .20 | 1,000 | N | N | N | N | 150 | N | N | N | 30 | 200 |
| 84SJ733S | 18 20 40 | 64 45 25 | 3.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 20 | 30 |
| 84SJ734S | 18 20 58 | 64 45 27 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 30 | 70 |
| 84SJ735S | 18 22 14 | 64 44 55 | 3.0 | .70 | 1.00 | .30 | 700 | N | N | N | 10 | 500 | 1.0 | N | N | 10 | 30 |
| 84SJ736S | 18 20 50 | 64 44 35 | 5.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 20 | 200 | <1.0 | N | N | 20 | 100 |
| 84SJ737S | 18 19 5 | 64 44 0 | 2.0 | .15 | .05 | .30 | 10 | <.5 | N | N | 20 | 300 | <1.0 | N | N | N | 15 |
| 84SJ738S | 18 21 31 | 64 44 0 | 5.0 | 3.00 | 2.00 | .50 | 1,500 | N | N | N | 10 | 200 | <1.0 | N | N | 30 | 150 |
| 84SJ740S | 18 21 38 | 64 44 7 | 5.0 | 3.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 30 | 150 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ696S | 300 | <20 | N | N | 15 | 50 | N | 15 | N | N | 70 | N | 50 | 700 | 150 | N |
| 84SJ697S | 150 | 20 | N | N | 7 | 10 | N | 20 | N | 150 | 200 | N | 30 | <200 | 100 | N |
| 84SJ698S | 30 | <20 | N | N | 100 | 10 | N | 20 | N | <100 | 200 | N | 20 | N | 50 | N |
| 84SJ699S | 30 | 20 | N | N | 15 | 20 | N | 15 | N | N | 100 | N | 20 | N | 50 | N |
| 84SJ700S | 50 | <20 | N | N | 20 | 15 | N | 30 | N | <100 | 150 | N | 30 | N | 100 | N |
| 84SJ701S | 15 | <20 | N | N | 7 | N | N | 15 | N | N | 30 | N | 50 | N | 150 | N |
| 84SJ702S | 30 | <20 | N | N | 15 | <10 | N | 20 | N | N | 150 | N | 20 | N | 50 | N |
| 84SJ703S | 100 | 20 | N | N | 100 | <10 | N | 50 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ704S | 50 | 20 | N | N | 50 | 15 | N | 30 | N | <100 | 150 | N | 20 | N | 50 | N |
| 84SJ705S | 70 | <20 | N | N | 30 | 10 | N | 30 | N | 150 | 200 | N | 20 | <200 | 50 | N |
| 84SJ706S | 300 | <20 | N | N | <5 | <10 | N | 15 | N | N | 150 | N | 15 | N | 70 | N |
| 84SJ707S | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 200 | 200 | N | 20 | N | 150 | N |
| 84SJ708S | 50 | <20 | N | N | 5 | <10 | N | 10 | N | N | 70 | N | 20 | N | 70 | N |
| 84SJ709S | 5 | <20 | N | N | 5 | <10 | N | 10 | N | N | 20 | N | 10 | N | 100 | N |
| 84SJ709S | 5 | <20 | N | N | 5 | <10 | N | 10 | N | N | 20 | N | 10 | N | 100 | N |
| 84SJ710S | 70 | <20 | N | N | 7 | <10 | N | 15 | N | N | 200 | N | 20 | N | 50 | N |
| 84SJ711S | 5 | 20 | N | N | <5 | <10 | N | 10 | N | N | 30 | N | 20 | N | 70 | N |
| 84SJ712S | 20 | 20 | N | N | 5 | <10 | N | 20 | N | N | 30 | N | 50 | N | 150 | N |
| 84SJ713S | 7 | 20 | N | N | <5 | <10 | N | 20 | N | N | 20 | N | 30 | N | 150 | N |
| 84SJ714S | 20 | <20 | N | N | 5 | <10 | N | 10 | N | <100 | 30 | N | 20 | N | 70 | N |
| 84SJ715S | 100 | N | N | N | 30 | <10 | N | 30 | N | 150 | 200 | N | 20 | N | 30 | N |
| 84SJ716S | 50 | 20 | N | N | 5 | <10 | N | 20 | N | 200 | 150 | N | 15 | N | 30 | N |
| 84SJ717S | 10 | N | N | N | 5 | <10 | N | 7 | N | N | 70 | N | 10 | N | 50 | N |
| 84SJ718S | 20 | <20 | N | N | 5 | <10 | N | 10 | N | N | 70 | N | 10 | N | 50 | N |
| 84SJ719S | 30 | <20 | N | N | 10 | 10 | N | 10 | N | N | 70 | N | 20 | N | 100 | N |
| 84SJ720S | 30 | <20 | N | N | 7 | 10 | N | 20 | N | N | 50 | N | 50 | 200 | 150 | N |
| 84SJ721S | 30 | <20 | N | N | 20 | 15 | N | 20 | N | 150 | 150 | N | 20 | N | 50 | N |
| 84SJ722S | 300 | <20 | N | N | 5 | <10 | N | 30 | N | N | 150 | N | 20 | N | 50 | N |
| 84SJ723S | 100 | 20 | N | N | 20 | <10 | N | 20 | N | 200 | 300 | N | 10 | N | 30 | N |
| 84SJ724S | 100 | <20 | N | N | 20 | <10 | N | 30 | N | 300 | 200 | N | 15 | N | 50 | N |
| 84SJ725S | 70 | <20 | N | N | 30 | 30 | N | 30 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SJ726S | 100 | <20 | N | N | 30 | <10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ727S | 100 | <20 | N | N | 30 | 15 | N | 50 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ728S | 30 | <20 | N | N | 20 | N | N | 10 | N | <100 | 70 | N | 15 | N | 70 | N |
| 84SJ729S | 100 | N | N | N | 30 | 15 | N | 30 | N | 200 | 300 | N | 15 | N | 30 | N |
| 84SJ730S | 150 | <20 | N | N | 20 | <10 | N | 30 | N | 200 | 200 | N | 10 | N | 20 | N |
| 84SJ731S | 150 | <20 | N | N | 30 | 15 | N | 30 | N | 150 | 300 | N | 15 | N | 20 | N |
| 84SJ732S | 100 | N | N | N | 30 | <10 | N | 30 | N | 150 | 200 | N | 10 | N | 20 | N |
| 84SJ733S | 70 | <20 | N | N | 30 | 10 | N | 30 | N | 300 | 200 | N | 15 | N | 70 | N |
| 84SJ734S | 150 | <20 | N | N | 20 | <10 | N | 30 | N | 200 | 300 | N | 20 | N | 30 | N |
| 84SJ735S | 70 | <20 | N | N | 15 | 15 | N | 15 | N | 200 | 150 | N | 20 | N | 100 | N |
| 84SJ736S | 100 | <20 | N | N | 30 | 10 | N | 30 | N | 200 | 200 | N | 20 | <200 | 100 | N |
| 84SJ737S | 150 | 20 | N | N | <5 | 15 | N | 7 | N | N | 30 | N | 20 | N | 100 | N |
| 84SJ738S | 150 | N | N | N | 50 | <10 | N | 30 | N | 200 | 300 | N | 15 | N | 30 | N |
| 84SJ740S | 150 | <20 | N | N | 30 | 50 | N | 30 | N | <100 | 200 | N | 10 | N | 30 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ741S | 18 21 13 | 64 44 15 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 200 | <1.0 | N | N | 10 | 70 |
| 84SJ742S | 18 21 21 | 64 44 15 | 3.0 | .70 | .70 | .30 | 500 | N | N | N | 15 | 150 | <1.0 | N | N | 7 | 30 |
| 84SJ743S | 18 21 22 | 64 44 8 | 3.0 | .30 | .70 | .50 | 1,000 | N | N | N | 15 | 500 | <1.0 | N | N | 10 | 50 |
| 84SJ744S | 18 21 12 | 64 44 22 | 3.0 | 1.00 | 1.00 | .30 | 700 | N | N | N | 20 | 150 | <1.0 | N | N | 7 | 15 |
| 84SJ746S | 18 21 7 | 64 44 38 | 3.0 | 1.00 | 1.00 | .50 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 20 |
| 84SC001S | 17 46 1 | 64 49 21 | 3.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | <10 | 300 | N | N | N | 20 | 20 |
| 84SC002S | 17 46 17 | 64 48 37 | 3.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 15 | 100 | <1.0 | N | N | 15 | 50 |
| 84SC003S | 17 46 8 | 64 49 7 | 3.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC004S | 17 45 54 | 64 49 44 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 10 | 200 | N | N | N | 15 | 20 |
| 84SC005S | 17 45 46 | 64 50 1 | 3.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 15 | 300 | N | N | N | 20 | 20 |
| 84SC006S | 17 45 11 | 64 49 47 | 7.0 | 2.00 | 3.00 | .70 | 1,500 | N | N | N | 15 | 500 | <1.0 | N | N | 20 | 50 |
| 84SC007S | 17 45 18 | 64 49 39 | 5.0 | 1.50 | 3.00 | 1.00 | 1,500 | N | N | N | 15 | 500 | <1.0 | N | N | 30 | 50 |
| 84SC008S | 17 45 1 | 64 49 19 | 7.0 | 3.00 | 5.00 | .70 | 1,500 | N | N | N | 15 | 300 | <1.0 | N | N | 70 | 300 |
| 84SC009S | 17 46 2 | 64 45 49 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 50 |
| 84SC010S | 17 46 17 | 64 45 40 | 5.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 70 |
| 84SC011S | 17 46 47 | 64 45 43 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 200 | <1.0 | N | N | 20 | 100 |
| 84SC012S | 17 46 39 | 64 46 10 | 3.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC013S | 17 46 51 | 64 46 35 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 200 | <1.0 | N | N | 15 | 15 |
| 84SC014S | 17 46 23 | 64 47 30 | 5.0 | .70 | 3.00 | .70 | 1,500 | N | N | N | 15 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC015S | 17 46 27 | 64 47 22 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 20 | 50 |
| 84SC016S | 17 46 33 | 64 47 20 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 100 |
| 84SC017S | 17 46 34 | 64 48 7 | 3.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 20 | 150 |
| 84SC018S | 17 46 39 | 64 47 39 | 3.0 | .70 | 2.00 | .50 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 50 |
| 84SC019S | 17 45 39 | 64 46 22 | 3.0 | 1.00 | 10.00 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 70 |
| 84SC020S | 17 45 40 | 64 46 55 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC021S | 17 45 38 | 64 46 59 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 70 |
| 84SC022S | 17 45 37 | 64 47 42 | 3.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 20 | 70 |
| 84SC023S | 17 45 50 | 64 47 57 | 5.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 10 | 30 | <1.0 | N | N | 70 | 100 |
| 84SC024S | 17 44 48 | 64 48 54 | 10.0 | 2.00 | 5.00 | 1.00 | 1,500 | N | N | N | 10 | 500 | N | N | N | 70 | 200 |
| 84SC025S | 17 45 54 | 64 46 7 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC026S | 17 44 1 | 64 48 55 | 3.0 | 1.00 | 2.00 | .30 | 200 | N | N | N | 20 | 500 | <1.0 | N | N | 15 | 30 |
| 84SC028S | 17 44 59 | 64 47 37 | 3.0 | 1.00 | 20.00 | .20 | 700 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 50 |
| 84SC029S | 17 45 16 | 64 47 16 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 200 |
| 84SC029S | 17 44 17 | 64 48 26 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 200 |
| 84SC030S | 17 44 23 | 64 49 0 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC031S | 17 44 50 | 64 48 35 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 10 | 300 | <1.0 | N | N | 20 | 100 |
| 84SC033S | 17 45 10 | 64 48 37 | 5.0 | .70 | 2.00 | .50 | 1,500 | N | N | N | 15 | 500 | <1.0 | N | N | 30 | 20 |
| 84SC034S | 17 45 10 | 64 51 13 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 15 |
| 84SC035S | 17 45 18 | 64 50 46 | 7.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 15 | 300 | <1.0 | N | N | 30 | 15 |
| 84SC036S | 17 45 8 | 64 50 24 | 3.0 | .70 | 3.00 | .30 | 1,500 | N | N | N | 15 | 300 | 1.5 | N | N | 15 | 15 |
| 84SC037S | 17 44 47 | 64 50 5 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 10 | 500 | <1.0 | N | N | 15 | 20 |
| 84SC038S | 17 45 36 | 64 50 21 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 15 | 500 | 1.0 | N | N | 15 | 15 |
| 84SC040S | 17 45 47 | 64 52 20 | 3.0 | .70 | 1.50 | .30 | 1,000 | <.5 | N | N | 30 | 700 | <1.0 | N | N | 20 | 70 |
| 84SC041S | 17 45 46 | 64 52 23 | 3.0 | .70 | .70 | .30 | 1,000 | <.5 | N | N | 30 | 500 | 2.0 | N | N | 30 | 50 |
| 84SC042S | 17 46 14 | 64 52 28 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 20 | 1,000 | <1.0 | N | N | 15 | 200 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ741S | 50 | <20 | N | N | 20 | 10 | N | 20 | N | 150 | 200 | N | 20 | N | 50 | N |
| 84SJ742S | 20 | <20 | N | N | 10 | <10 | N | 20 | N | N | 100 | N | 30 | N | 50 | N |
| 84SJ743S | 30 | 20 | N | N | 20 | 10 | N | 15 | N | N | 70 | N | 20 | N | 150 | N |
| 84SJ744S | 20 | <20 | N | N | 5 | 10 | N | 10 | N | N | 70 | N | 20 | N | 70 | N |
| 84SJ746S | 30 | <20 | N | N | 7 | <10 | N | 20 | N | <100 | 150 | N | 20 | N | 100 | N |
| 84SC001S | 70 | <20 | N | N | 10 | 20 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC002S | 100 | <20 | N | N | 20 | 20 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC003S | 100 | <20 | N | N | 10 | 70 | N | 20 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC004S | 70 | 20 | N | N | 5 | <10 | N | 15 | N | 200 | 200 | N | 10 | N | 10 | N |
| 84SC005S | 100 | <20 | N | N | 5 | 20 | N | 30 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC006S | 150 | 20 | N | N | 30 | 20 | N | 30 | N | 500 | 300 | N | 30 | N | 30 | N |
| 84SC007S | 150 | 20 | N | N | 20 | 30 | N | 20 | N | 700 | 300 | N | 20 | N | 30 | N |
| 84SC008S | 200 | <20 | N | N | 100 | 10 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 84SC009S | 70 | <20 | N | N | 15 | 15 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC010S | 100 | <20 | N | N | 15 | 20 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 84SC011S | 70 | 20 | N | N | 30 | 20 | N | 30 | N | 300 | 300 | N | 20 | N | 30 | N |
| 84SC012S | 70 | 20 | N | N | 15 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC013S | 70 | 20 | N | N | 7 | 15 | N | 30 | N | 500 | 200 | N | 20 | N | 70 | N |
| 84SC014S | 50 | <20 | N | N | 5 | 15 | N | 20 | N | 500 | 300 | N | 20 | N | 50 | N |
| 84SC015S | 50 | <20 | N | N | 15 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SC016S | 100 | 20 | N | N | 20 | 20 | N | 30 | N | 500 | 300 | N | 15 | N | 50 | N |
| 84SC017S | 100 | 20 | N | N | 30 | 20 | N | 30 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SC018S | 30 | 20 | N | N | 15 | 20 | N | 20 | N | 500 | 300 | N | 20 | N | 50 | N |
| 84SC019S | 70 | <20 | N | N | 30 | 20 | N | 15 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC020S | 70 | 20 | N | N | 15 | 20 | N | 20 | N | 300 | 300 | N | 15 | N | 30 | N |
| 84SC021S | 50 | 20 | N | N | 20 | 10 | N | 20 | N | 300 | 200 | N | 15 | N | 50 | N |
| 84SC022S | 100 | <20 | N | N | 20 | 100 | N | 20 | N | 300 | 300 | N | 20 | N | 30 | N |
| 84SC023S | 150 | <20 | N | N | 30 | 15 | N | 30 | N | 100 | 300 | N | 20 | N | 300 | N |
| 84SC024S | 150 | 20 | N | N | 70 | 30 | N | 30 | N | 500 | 700 | N | 20 | N | 500 | N |
| 84SC025S | 70 | <20 | N | N | 15 | 15 | N | 20 | N | 300 | 150 | N | 15 | N | 200 | N |
| 84SC026S | 70 | <20 | N | N | 10 | 20 | N | 20 | N | 300 | 200 | N | 15 | N | 200 | N |
| 84SC028S | 50 | 20 | N | N | 20 | 15 | N | 10 | N | 300 | 150 | N | 15 | N | 150 | N |
| 84SC029S | 100 | <20 | N | N | 30 | 70 | N | 30 | N | 500 | 300 | N | 20 | N | 200 | N |
| 84SC029S | 100 | <20 | N | N | 30 | 70 | N | 30 | N | 500 | 300 | N | 20 | N | 200 | N |
| 84SC030S | 150 | <20 | N | N | 20 | <10 | N | 30 | N | 300 | 300 | N | 15 | N | 300 | N |
| 84SC031S | 150 | <20 | N | N | 30 | 15 | N | 30 | N | 500 | 300 | N | 15 | N | 300 | N |
| 84SC033S | 100 | <20 | N | N | 15 | 20 | N | 20 | N | 500 | 200 | N | 20 | N | 200 | N |
| 84SC034S | 50 | <20 | N | N | 10 | 20 | N | 15 | N | 500 | 200 | N | 15 | N | 150 | N |
| 84SC035S | 70 | N | N | N | 15 | <10 | N | 30 | N | 500 | 300 | N | 20 | N | 300 | N |
| 84SC036S | 50 | 20 | N | N | 15 | 15 | N | 15 | N | 150 | 150 | N | 15 | N | 150 | N |
| 84SC037S | 70 | <20 | N | N | 15 | <10 | N | 20 | N | 500 | 200 | N | 15 | N | 150 | N |
| 84SC038S | 70 | 20 | N | N | 20 | 15 | N | 20 | N | 500 | 200 | N | 20 | N | 200 | N |
| 84SC040S | 100 | 20 | N | N | 30 | 15 | N | 20 | N | 500 | 200 | N | 15 | N | 200 | N |
| 84SC041S | 150 | 20 | N | N | 30 | 30 | N | 20 | N | 300 | 200 | N | 20 | N | 200 | N |
| 84SC042S | 70 | 20 | N | N | 70 | 150 | N | 20 | N | 700 | 200 | N | 15 | N | 150 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC043S | 17 45 50 | 64 53 4 | 3.0 | .70 | 1.00 | .30 | 700 | N | N | N | 50 | 700 | 1.0 | N | N | 20 | 200 |
| 84SC044S | 17 45 2 | 64 53 28 | 3.0 | .70 | .30 | .30 | 1,000 | N | N | N | 30 | 1,000 | 1.0 | N | N | 30 | 200 |
| 84SC045S | 17 44 28 | 64 53 2 | 3.0 | .70 | 1.50 | .30 | 1,000 | .5 | N | N | 20 | 700 | <1.0 | N | N | 20 | 100 |
| 84SC046S | 17 44 49 | 64 52 36 | 5.0 | 1.00 | .70 | .50 | 2,000 | .5 | N | N | 30 | 700 | <1.0 | N | N | 50 | 70 |
| 84SC047S | 17 44 53 | 64 52 6 | 5.0 | 1.00 | .50 | .30 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC048S | 17 45 0 | 64 52 8 | 3.0 | .70 | 1.50 | .30 | 1,000 | <.5 | N | N | 50 | 500 | <1.0 | N | N | 10 | 30 |
| 84SC049S | 17 45 3 | 64 51 42 | 3.0 | .70 | 2.00 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 15 | 30 |
| 84SC050S | 17 45 0 | 64 51 43 | 3.0 | .70 | 3.00 | .30 | 1,500 | 1.0 | N | N | 20 | 300 | N | N | N | 15 | 30 |
| 84SC051S | 17 43 47 | 64 52 38 | 3.0 | .70 | .70 | .30 | 1,500 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 50 |
| 84SC052S | 17 43 50 | 64 51 59 | 3.0 | .70 | 1.00 | .30 | 700 | N | N | N | 70 | 700 | <1.0 | N | N | 15 | 150 |
| 84SC053S | 17 43 53 | 64 51 51 | 3.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 30 | 500 | N | N | N | 15 | 50 |
| 84SC054S | 17 44 21 | 64 51 41 | 3.0 | .70 | 3.00 | .30 | 1,000 | N | N | N | 70 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC055S | 17 44 24 | 64 51 38 | 5.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 20 | 200 | <1.0 | N | N | 15 | 50 |
| 84SC056S | 17 44 29 | 64 51 40 | 5.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 20 | 150 | <1.0 | N | N | 15 | 30 |
| 84SC057S | 17 44 5 | 64 51 24 | 5.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 100 |
| 84SC058S | 17 44 26 | 64 51 12 | 5.0 | 1.50 | 5.00 | .50 | 1,500 | N | N | N | 20 | 200 | N | N | N | 20 | 30 |
| 84SC059S | 17 44 32 | 64 50 53 | 5.0 | 1.00 | 3.00 | .50 | 1,500 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC060S | 17 44 21 | 64 50 19 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 20 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC061S | 17 44 7 | 64 50 2 | 5.0 | 1.00 | 3.00 | .50 | 1,500 | .7 | N | N | 20 | 500 | <1.0 | N | N | 20 | 50 |
| 84SC062S | 17 44 3 | 64 49 38 | 5.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 500 | <1.0 | N | N | 15 | 50 |
| 84SC063S | 17 43 26 | 64 52 0 | 5.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 50 |
| 84SC064S | 17 42 43 | 64 52 0 | 3.0 | .70 | 1.00 | .30 | 1,500 | N | N | N | 20 | 500 | <1.0 | N | N | 10 | 30 |
| 84SC065S | 17 42 55 | 64 51 38 | 3.0 | .70 | 1.00 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 10 | 700 |
| 84SC066S | 17 42 51 | 64 51 4 | 3.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 15 | 30 |
| 84SC067S | 17 43 4 | 64 51 12 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 50 |
| 84SC068S | 17 43 4 | 64 50 40 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC069S | 17 43 6 | 64 49 58 | 3.0 | .70 | 2.00 | .30 | 1,000 | N | N | N | 50 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC070S | 17 43 55 | 64 49 21 | 5.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC071S | 17 45 34 | 64 45 50 | 2.0 | .70 | 10.00 | .15 | 700 | N | N | N | 50 | 300 | <1.0 | N | N | 7 | 50 |
| 84SC072S | 17 46 6 | 64 45 24 | 3.0 | 1.00 | 10.00 | .30 | 500 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC074S | 17 45 17 | 64 46 9 | 3.0 | .70 | 15.00 | .20 | 1,000 | N | N | N | 50 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC075S | 17 44 54 | 64 46 26 | 3.0 | 1.00 | 10.00 | .20 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC076S | 17 44 46 | 64 46 52 | 3.0 | .70 | 1.50 | .30 | 1,500 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 500 |
| 84SC077S | 17 44 37 | 64 47 18 | 3.0 | .70 | 5.00 | .30 | 1,500 | N | N | N | 30 | 700 | <1.0 | N | N | 20 | 50 |
| 84SC078S | 17 44 29 | 64 47 46 | 5.0 | 2.00 | 3.00 | .70 | 1,500 | N | N | N | 15 | 700 | <1.0 | N | N | 30 | 100 |
| 84SC079S | 17 44 19 | 64 46 38 | 3.0 | 1.00 | 7.00 | .30 | 1,000 | N | N | N | 70 | 200 | 1.0 | N | N | 10 | 70 |
| 84SC080S | 17 44 10 | 64 47 2 | 2.0 | .70 | 20.00 | .15 | 700 | N | N | N | 50 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC081S | 17 44 3 | 64 47 28 | 5.0 | 1.00 | 2.00 | 1.00 | 2,000 | N | N | N | 30 | 1,000 | <1.0 | N | N | 70 | 70 |
| 84SC082S | 17 43 59 | 64 46 1 | 2.0 | .70 | 15.00 | .15 | 500 | N | N | N | 30 | 300 | <1.0 | N | N | 7 | 70 |
| 84SC083S | 17 44 21 | 64 45 54 | 1.5 | .70 | 20.00 | .07 | 200 | N | N | N | 20 | 100 | N | N | N | N | 50 |
| 84SC084S | 17 44 46 | 64 46 3 | 3.0 | .70 | 15.00 | .20 | 1,000 | N | N | N | 30 | 200 | <1.0 | N | N | 7 | 30 |
| 84SC085S | 17 45 14 | 64 45 16 | 3.0 | .70 | 20.00 | .15 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 7 | 30 |
| 84SC086S | 17 44 52 | 64 45 14 | 3.0 | .70 | 20.00 | .30 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC087S | 17 44 17 | 64 45 17 | 2.0 | .70 | 20.00 | .20 | 300 | N | N | N | 10 | 200 | <1.0 | N | N | N | 50 |
| 84SC088S | 17 43 37 | 64 45 17 | 2.0 | .70 | 15.00 | .20 | 500 | N | N | N | 50 | 150 | 1.0 | N | N | 5 | 50 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC043S | 70 | 20 | N | N | 150 | 30 | N | 10 | N | 500 | 150 | N | 10 | N | 150 | N |
| 84SC044S | 100 | 20 | N | N | 100 | 70 | N | 15 | N | 500 | 150 | N | 10 | N | 150 | N |
| 84SC045S | 100 | N | N | N | 150 | 30 | N | 15 | N | 300 | 150 | N | 15 | N | 50 | N |
| 84SC046S | 150 | <20 | N | N | 30 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC047S | 100 | N | N | N | 20 | 10 | N | 30 | N | 150 | 300 | N | 10 | N | 30 | N |
| 84SC048S | 70 | <20 | N | N | 30 | 70 | N | 15 | N | 300 | 150 | N | 15 | <200 | 30 | N |
| 84SC049S | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC050S | 100 | <20 | N | N | 10 | 15 | N | 20 | N | 500 | 300 | N | 15 | 500 | 30 | N |
| 84SC051S | 70 | 20 | N | N | 30 | 15 | N | 20 | N | 300 | 150 | N | 15 | N | 50 | N |
| 84SC052S | 100 | 20 | N | N | 50 | 20 | N | 15 | N | 150 | 150 | N | 15 | N | 30 | N |
| 84SC053S | 70 | <20 | N | N | 15 | 20 | N | 20 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC054S | 100 | <20 | N | N | 30 | 3,000 | N | 20 | 700 | 300 | 200 | N | 15 | 700 | 30 | N |
| 84SC055S | 100 | N | N | N | 15 | 10 | N | 20 | N | 300 | 300 | N | 15 | N | 30 | N |
| 84SC056S | 100 | N | N | N | 15 | 10 | N | 20 | N | 500 | 200 | N | <10 | N | 30 | N |
| 84SC057S | 100 | <20 | N | N | 30 | 20 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC058S | 70 | N | N | N | 15 | 20 | N | 30 | N | 700 | 300 | N | 20 | N | 30 | N |
| 84SC059S | 70 | N | N | N | 15 | 20 | N | 30 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC060S | 70 | N | N | N | 20 | 30 | N | 20 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC061S | 70 | <20 | N | N | 20 | 20 | N | 30 | N | 500 | 300 | N | 20 | N | 30 | N |
| 84SC062S | 50 | <20 | N | N | 20 | 10 | N | 30 | N | 500 | 300 | N | 20 | N | 50 | N |
| 84SC063S | 100 | <20 | N | N | 15 | 15 | N | 30 | N | 500 | 300 | N | 15 | N | 50 | N |
| 84SC064S | 100 | 20 | N | N | 15 | 15 | N | 15 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SC065S | 70 | <20 | N | N | 15 | 10 | N | 15 | N | 300 | 200 | N | 15 | N | 50 | N |
| 84SC066S | 70 | 20 | N | N | 20 | 10 | N | 15 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC067S | 70 | <20 | N | N | 20 | <10 | N | 30 | N | 300 | 200 | N | 20 | N | 100 | N |
| 84SC068S | 70 | 20 | N | N | 15 | 50 | N | 20 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC069S | 70 | <20 | N | N | 20 | 30 | N | 20 | N | 700 | 200 | N | 15 | N | 50 | N |
| 84SC070S | 70 | <20 | N | N | 20 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC071S | 50 | 20 | N | N | 30 | 100 | N | 7 | N | 500 | 100 | N | 15 | N | 20 | N |
| 84SC072S | 50 | 20 | N | N | 30 | 10 | N | 10 | N | 300 | 150 | N | 15 | N | 50 | N |
| 84SC074S | 70 | 20 | N | N | 30 | 30 | N | 7 | N | 300 | 70 | N | 20 | N | 30 | N |
| 84SC075S | 50 | 20 | N | N | 30 | 30 | N | 7 | N | 300 | 70 | N | 20 | N | 30 | N |
| 84SC076S | 50 | 20 | N | N | 20 | 20 | N | 15 | N | 200 | 150 | N | 15 | N | 50 | N |
| 84SC077S | 70 | 20 | N | N | 30 | 20 | N | 10 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC078S | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 500 | 300 | N | 20 | N | 50 | N |
| 84SC079S | 50 | 20 | N | N | 30 | 30 | N | 15 | N | 150 | 100 | N | 20 | N | 50 | N |
| 84SC080S | 30 | <20 | N | N | 20 | 20 | N | 7 | N | 500 | 50 | N | 15 | N | 30 | N |
| 84SC081S | 70 | <20 | N | N | 30 | 20 | N | 20 | N | 500 | 200 | N | 20 | N | 50 | N |
| 84SC082S | 50 | 20 | N | N | 20 | 30 | N | 7 | N | 150 | 70 | N | 10 | N | 20 | N |
| 84SC083S | 20 | <20 | N | N | 5 | <10 | N | 5 | N | 150 | 50 | N | <10 | N | 10 | N |
| 84SC084S | 50 | 20 | N | N | 20 | 30 | N | 7 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC085S | 30 | 20 | N | N | 20 | 30 | N | 7 | N | 200 | 70 | N | 15 | N | 30 | N |
| 84SC086S | 50 | 20 | N | N | 20 | 50 | N | 7 | N | 500 | 100 | N | 15 | N | 30 | N |
| 84SC087S | 30 | <20 | N | N | 15 | <10 | N | 7 | N | 200 | 70 | N | 10 | N | 10 | N |
| 84SC088S | 30 | 20 | N | N | 15 | 30 | N | 7 | N | 150 | 70 | N | 15 | N | 30 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC089S | 17 43 23 | 64 45 54 | 3.0 | 1.00 | 20.00 | .30 | 1,000 | N | N | N | 20 | 150 | <1.0 | N | N | 7 | 50 |
| 84SC090S | 17 42 35 | 64 47 13 | 3.0 | .70 | 15.00 | .30 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 10 | 50 |
| 84SC091S | 17 42 54 | 64 47 27 | 1.5 | .70 | 20.00 | .10 | 300 | N | N | N | 70 | 150 | <1.0 | N | N | 5 | 70 |
| 84SC093S | 17 43 35 | 64 47 16 | 3.0 | .70 | 10.00 | .30 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC094S | 17 43 41 | 64 46 49 | 3.0 | 1.50 | 15.00 | .30 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 20 | 100 |
| 84SC095S | 17 43 50 | 64 46 29 | 3.0 | 1.00 | 10.00 | .30 | 1,000 | N | N | N | 50 | 500 | <1.0 | N | N | 10 | 70 |
| 84SC096S | 17 44 5 | 64 45 34 | 3.0 | .70 | 20.00 | .15 | 700 | N | N | N | <10 | 200 | <1.0 | N | N | 10 | 70 |
| 84SC098S | 17 45 9 | 64 44 30 | 3.0 | 1.00 | 15.00 | .20 | 1,000 | N | N | N | 70 | 200 | 1.0 | N | N | 10 | 70 |
| 84SC099S | 17 45 15 | 64 44 39 | 2.0 | .70 | >20.00 | .15 | 300 | N | N | N | 10 | 200 | <1.0 | N | N | 5 | 70 |
| 84SC100S | 17 45 13 | 64 43 36 | 3.0 | 1.00 | 10.00 | .30 | 1,000 | N | N | N | 50 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC101S | 17 45 5 | 64 44 4 | 3.0 | .70 | 15.00 | .20 | 700 | N | N | N | 50 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC102S | 17 44 52 | 64 43 32 | 3.0 | .70 | 15.00 | .15 | 700 | N | N | N | 50 | 200 | <1.0 | N | N | 10 | 70 |
| 84SC103S | 17 44 15 | 64 43 15 | 3.0 | 1.00 | 7.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 20 | 70 |
| 84SC104S | 17 44 24 | 64 43 39 | 2.0 | .70 | 20.00 | .15 | 500 | N | N | N | 20 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC105S | 17 44 8 | 64 43 55 | 3.0 | 1.00 | 15.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC107S | 17 44 44 | 64 44 37 | 1.5 | .70 | 20.00 | .10 | 500 | N | N | N | 10 | 150 | <1.0 | N | N | 7 | 70 |
| 84SC108S | 17 44 46 | 64 44 18 | 3.0 | .70 | 15.00 | .20 | 1,000 | N | N | N | 20 | 500 | <1.0 | N | N | 10 | 100 |
| 84SC109S | 17 43 40 | 64 44 33 | 2.0 | .70 | 20.00 | .15 | 1,000 | N | N | N | 20 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC110S | 17 43 22 | 64 44 27 | 3.0 | .70 | 20.00 | .15 | 500 | N | N | N | 30 | 150 | 1.0 | N | N | 10 | 70 |
| 84SC111S | 17 43 14 | 64 44 51 | 2.0 | .70 | 20.00 | .15 | 300 | N | N | N | 10 | 200 | <1.0 | N | N | 7 | 70 |
| 84SC112S | 17 43 8 | 64 45 18 | 1.5 | .70 | >20.00 | .07 | 200 | N | N | N | 15 | 30 | N | N | N | N | 50 |
| 84SC113S | 17 43 30 | 64 44 1 | 2.0 | .70 | 20.00 | .10 | 300 | N | N | N | 20 | 300 | <1.0 | N | N | 5 | 70 |
| 84SC114S | 17 42 49 | 64 42 45 | 3.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 10 | 70 |
| 84SC115S | 17 42 19 | 64 42 47 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 50 | 500 | 1.0 | N | N | 10 | 30 |
| 84SC116S | 17 42 9 | 64 43 10 | 3.0 | 1.00 | 20.00 | .20 | 700 | N | N | N | 70 | 300 | <1.0 | N | N | 7 | 50 |
| 84SC117S | 17 42 35 | 64 43 23 | 3.0 | .70 | 15.00 | .30 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 300 |
| 84SC118S | 17 42 29 | 64 43 47 | 3.0 | 1.00 | 10.00 | .20 | 1,000 | N | N | N | 70 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC119S | 17 42 59 | 64 43 50 | 1.5 | .70 | >20.00 | .10 | 150 | N | N | N | 20 | 100 | <1.0 | N | N | N | 30 |
| 84SC120S | 17 42 53 | 64 44 16 | 1.5 | 2.00 | 20.00 | .15 | 500 | N | N | N | 30 | 100 | <1.0 | N | N | 7 | 50 |
| 84SC121S | 17 43 6 | 64 43 33 | 3.0 | .70 | 15.00 | .20 | 1,000 | N | N | N | 30 | 500 | <1.0 | N | N | 7 | 100 |
| 84SC122S | 17 43 16 | 64 42 54 | 3.0 | .70 | 7.00 | .30 | 1,000 | N | N | N | 50 | 500 | 1.0 | N | N | 10 | 50 |
| 84SC123S | 17 43 40 | 64 43 29 | 3.0 | 1.00 | 20.00 | .20 | 1,000 | N | N | N | 50 | 500 | <1.0 | N | N | 10 | 70 |
| 84SC124S | 17 43 57 | 64 42 43 | 5.0 | 1.00 | .70 | .50 | 700 | N | N | N | 50 | 3,000 | 1.0 | N | N | 20 | 30 |
| 84SC125S | 17 42 55 | 64 46 52 | 1.5 | .70 | 20.00 | .10 | 500 | N | N | N | 30 | 30 | <1.0 | N | N | N | 100 |
| 84SC126S | 17 43 9 | 64 46 27 | 3.0 | .70 | 20.00 | .20 | 1,000 | N | N | N | 70 | 70 | <1.0 | N | N | 7 | 100 |
| 84SC127S | 17 42 5 | 64 47 17 | 5.0 | 1.00 | 3.00 | .70 | 2,000 | N | N | N | 50 | 700 | <1.0 | N | N | 20 | 70 |
| 84SC128S | 17 43 17 | 64 48 8 | 3.0 | 1.00 | 10.00 | .20 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC129S | 17 43 48 | 64 48 20 | 3.0 | .70 | 2.00 | .70 | 1,000 | N | N | N | 15 | 500 | <1.0 | N | N | 10 | 70 |
| 84SC130S | 17 42 52 | 64 48 3 | 3.0 | 1.00 | 15.00 | .30 | 1,000 | N | N | N | 20 | 300 | <1.0 | N | N | 10 | 70 |
| 84SC131S | 17 43 2 | 64 48 51 | 3.0 | 1.00 | 7.00 | .30 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 70 |
| 84SC132S | 17 42 37 | 64 48 40 | 3.0 | .70 | 15.00 | .30 | 1,000 | N | N | N | 30 | 300 | 1.0 | N | N | 10 | 70 |
| 84SC133S | 17 43 0 | 64 49 18 | 3.0 | 1.00 | 5.00 | .30 | 1,500 | N | N | N | 30 | 300 | <1.0 | N | N | 10 | 50 |
| 84SC134S | 17 43 25 | 64 49 26 | 5.0 | .70 | 3.00 | .30 | 1,500 | N | N | N | 30 | 300 | N | N | N | 10 | 50 |
| 84SC135S | 17 43 34 | 64 48 59 | 7.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 20 | 500 | N | N | N | 20 | 50 |
| 84SC136S | 17 42 27 | 64 49 16 | 3.0 | .70 | 20.00 | .30 | 700 | N | N | N | 50 | 200 | <1.0 | N | N | 5 | 70 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC089S | 30 | <20 | N | N | 15 | 100 | N | 7 | N | 150 | 100 | N | 15 | N | 20 | N |
| 84SC090S | 30 | 20 | N | N | 20 | 30 | N | 10 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC091S | 30 | 20 | N | N | 20 | 30 | N | 7 | N | 300 | 70 | N | 10 | N | 30 | N |
| 84SC093S | 30 | 20 | N | N | 30 | 30 | N | 10 | N | 300 | 100 | N | 20 | N | 30 | N |
| 84SC094S | 50 | <20 | N | N | 50 | 30 | N | 15 | N | 500 | 150 | N | 15 | N | 30 | N |
| 84SC095S | 30 | 20 | N | N | 20 | 30 | N | 10 | N | 300 | 100 | N | 20 | N | 30 | N |
| 84SC096S | 30 | <20 | N | N | 15 | 50 | N | 7 | N | 300 | 100 | N | <10 | N | 20 | N |
| 84SC098S | 30 | 20 | N | N | 20 | 20 | N | 10 | N | 200 | 150 | N | 15 | N | 30 | N |
| 84SC099S | 20 | 20 | N | N | 10 | <10 | N | 7 | N | 300 | 50 | N | 10 | N | 20 | N |
| 84SC100S | 50 | 20 | N | N | 50 | 100 | N | 10 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC101S | 30 | <20 | N | N | 20 | 50 | N | 10 | N | 300 | 100 | N | 15 | N | 20 | N |
| 84SC102S | 30 | 20 | N | N | 15 | 20 | N | 7 | N | 200 | 100 | N | 10 | N | 20 | N |
| 84SC103S | 70 | 20 | N | N | 30 | 150 | N | 15 | N | 300 | 150 | N | 20 | N | 300 | N |
| 84SC104S | 30 | <20 | N | N | 20 | 20 | N | 7 | N | <100 | 70 | N | <10 | N | 20 | N |
| 84SC105S | 50 | 20 | N | N | 30 | 150 | N | 15 | N | 200 | 100 | N | 15 | N | 30 | N |
| 84SC107S | 20 | <20 | N | N | 15 | N | N | 7 | N | N | 50 | N | N | N | 15 | N |
| 84SC108S | 30 | 20 | N | N | 30 | 15 | N | 10 | N | 200 | 100 | N | 15 | N | 30 | N |
| 84SC109S | 20 | <20 | N | N | 15 | 20 | N | 5 | N | <100 | 30 | N | 10 | N | 20 | N |
| 84SC110S | 30 | 20 | N | N | 30 | 30 | N | 7 | N | 150 | 70 | N | 15 | N | 30 | N |
| 84SC111S | 20 | 20 | N | N | 15 | <10 | N | 7 | N | 200 | 70 | N | 10 | N | 30 | N |
| 84SC112S | 30 | <20 | N | N | 7 | 30 | N | <5 | 10 | 300 | 30 | N | <10 | N | 50 | N |
| 84SC113S | 30 | 20 | N | N | 10 | 10 | N | 7 | 15 | 150 | 70 | N | <10 | N | 30 | N |
| 84SC114S | 50 | 20 | N | N | 20 | 50 | N | 10 | N | 300 | 150 | N | 15 | 500 | 50 | N |
| 84SC115S | 50 | 20 | N | N | 20 | 20 | N | 10 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC116S | 30 | <20 | N | N | 20 | 500 | N | 7 | N | 2,000 | 70 | N | 10 | <200 | 30 | N |
| 84SC117S | 30 | 20 | N | N | 20 | 30 | N | 7 | <10 | 200 | 100 | N | 10 | N | 30 | N |
| 84SC118S | 50 | 20 | N | N | 20 | 50 | N | 7 | N | 300 | 70 | N | 15 | N | 30 | N |
| 84SC119S | 20 | <20 | N | N | 10 | N | N | <5 | N | 200 | 30 | N | <10 | N | 20 | N |
| 84SC120S | 20 | <20 | N | N | 15 | 30 | N | 5 | <10 | 150 | 30 | N | 15 | N | 20 | N |
| 84SC121S | 30 | 20 | N | N | 20 | 30 | N | 7 | N | 150 | 70 | N | 15 | N | 30 | N |
| 84SC122S | 50 | 20 | N | N | 30 | 70 | N | 10 | 15 | 500 | 100 | N | 20 | N | 50 | N |
| 84SC123S | 50 | 20 | N | N | 20 | 30 | N | 10 | N | 200 | 70 | N | 15 | N | 20 | N |
| 84SC124S | 50 | 20 | N | N | 30 | <10 | N | 20 | N | 300 | 200 | N | 30 | N | 150 | N |
| 84SC125S | 30 | 20 | N | N | 30 | 150 | N | <5 | N | 200 | 70 | N | N | 1,000 | 20 | N |
| 84SC126S | 30 | <20 | N | N | 20 | 70 | N | 7 | N | 150 | 70 | N | 15 | N | 30 | N |
| 84SC127S | 70 | <20 | N | N | 50 | 15 | N | 20 | N | 500 | 300 | N | 20 | N | 50 | N |
| 84SC128S | 50 | 20 | N | N | 20 | 50 | N | 10 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC129S | 50 | 20 | N | N | 15 | 20 | N | 15 | N | 500 | 200 | N | 20 | N | 150 | N |
| 84SC130S | 50 | 20 | N | N | 20 | 100 | N | 10 | N | 500 | 100 | N | 20 | N | 50 | N |
| 84SC131S | 50 | 20 | N | N | 20 | 30 | N | 15 | N | 300 | 150 | N | 20 | N | 30 | N |
| 84SC132S | 50 | 20 | N | N | 30 | 20 | N | 10 | N | 100 | 100 | N | 20 | N | 30 | N |
| 84SC133S | 50 | <20 | N | N | 30 | 50 | N | 10 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC134S | 50 | N | N | N | 15 | 30 | N | 20 | N | 300 | 300 | N | 15 | N | 30 | N |
| 84SC135S | 70 | <20 | N | N | 20 | 100 | N | 30 | N | 500 | 300 | N | 15 | N | 50 | N |
| 84SC136S | 30 | 20 | N | N | 20 | 30 | N | 7 | N | 200 | 100 | N | 15 | N | 30 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC137S | 17 41 33 | 64 48 52 | 3.0 | .70 | 15.00 | .30 | 1,000 | .7 | N | N | 70 | 150 | 1.0 | N | N | 5 | 50 |
| 84SC138S | 17 41 40 | 64 48 23 | 3.0 | .70 | 10.00 | .30 | 1,000 | N | N | N | 70 | 300 | <1.0 | N | N | 10 | 50 |
| 84SC139S | 17 41 55 | 64 49 7 | 5.0 | 1.00 | 15.00 | .30 | 1,500 | N | N | N | 70 | 300 | 1.0 | N | N | 10 | 70 |
| 84SC140S | 17 41 47 | 64 49 31 | 3.0 | .70 | 15.00 | .20 | 1,000 | N | N | N | 70 | 150 | <1.0 | N | N | 7 | 70 |
| 84SC141S | 17 41 21 | 64 49 25 | 5.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | 50 | 500 | <1.0 | N | N | 10 | 50 |
| 84SC142S | 17 42 16 | 64 49 43 | 3.0 | 1.00 | 15.00 | .30 | 1,000 | N | N | N | 100 | 300 | <1.0 | N | N | 7 | 50 |
| 84SC143S | 17 42 44 | 64 49 53 | 3.0 | .70 | 3.00 | .20 | 1,000 | N | N | N | 50 | 200 | <1.0 | N | N | 10 | 30 |
| 84SC148S | 17 45 38 | 64 48 50 | 10.0 | 3.00 | 5.00 | 1.00 | 2,000 | N | N | N | N | 500 | N | N | N | 70 | 150 |
| 84SC150S | 17 45 34 | 64 48 13 | 7.0 | 2.00 | 2.00 | .50 | 1,000 | N | N | N | 20 | 1,500 | <1.0 | N | N | 50 | 70 |
| 84SC154S | 17 47 26 | 64 37 32 | 3.0 | 7.00 | 1.00 | .30 | 700 | N | N | N | 100 | 700 | 1.0 | N | N | 10 | 70 |
| 84SC156S | 17 47 12 | 64 37 10 | 5.0 | 2.00 | 7.00 | .30 | 1,000 | N | N | N | 70 | 1,000 | <1.0 | N | N | 20 | 150 |
| 84SC200S | 17 45 20 | 64 34 6 | 3.0 | 1.50 | .70 | .30 | 1,000 | N | N | N | 50 | 1,000 | 1.5 | N | N | 30 | 150 |
| 84SC201S | 17 45 31 | 64 34 22 | 3.0 | .70 | .20 | .30 | 1,000 | N | N | N | 70 | 500 | <1.0 | N | N | 20 | 150 |
| 84SC202S | 17 45 36 | 64 34 31 | 3.0 | 1.00 | .70 | .30 | 700 | N | N | N | 200 | 300 | <1.0 | N | N | 10 | 100 |
| 84SC203S | 17 45 34 | 64 34 39 | 5.0 | 1.50 | .50 | .50 | 1,000 | N | N | N | 50 | 1,000 | <1.0 | N | N | 20 | 200 |
| 84SC204S | 17 45 38 | 64 34 48 | 3.0 | .70 | .50 | .30 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC205S | 17 45 18 | 64 35 1 | 3.0 | 1.00 | .70 | .30 | 1,000 | <.5 | N | N | 50 | 700 | 1.0 | N | N | 10 | 100 |
| 84SC206S | 17 45 13 | 64 35 33 | 3.0 | 1.50 | 1.50 | .30 | 1,000 | <.5 | N | N | 100 | 1,000 | <1.0 | N | N | 10 | 150 |
| 84SC207S | 17 44 48 | 64 36 25 | 3.0 | 1.00 | 1.00 | .50 | 1,500 | N | N | N | 50 | 500 | <1.0 | N | N | 15 | 150 |
| 84SC208S | 17 45 12 | 64 34 20 | 3.0 | 1.50 | .50 | .30 | 1,500 | <.5 | N | N | 50 | 1,000 | <1.0 | N | N | 15 | 150 |
| 84SC209S | 17 45 0 | 64 34 35 | 5.0 | 2.00 | 1.50 | .50 | 1,000 | N | N | N | 50 | 500 | <1.0 | N | N | 15 | 200 |
| 84SC210S | 17 45 1 | 64 34 53 | 3.0 | 1.50 | 1.00 | .30 | 700 | N | N | N | 70 | 500 | <1.0 | N | N | 10 | 70 |
| 84SC212S | 17 44 36 | 64 36 37 | 3.0 | 1.50 | 1.50 | .30 | 1,500 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 100 |
| 84SC213S | 17 44 17 | 64 37 7 | 5.0 | 1.50 | 5.00 | .30 | 1,000 | N | N | N | 70 | 700 | <1.0 | N | N | 20 | 150 |
| 84SC214S | 17 44 6 | 64 37 24 | 5.0 | 1.50 | 3.00 | .30 | 700 | N | N | N | 70 | 700 | <1.0 | N | N | 15 | 100 |
| 84SC215S | 17 44 1 | 64 37 38 | 3.0 | .70 | 1.50 | .30 | 700 | N | N | N | 70 | 300 | <1.0 | N | N | 7 | 30 |
| 84SC216S | 17 45 41 | 64 39 12 | 3.0 | 1.50 | 1.50 | .30 | 700 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 200 |
| 84SC218S | 17 45 1 | 64 38 17 | 5.0 | 1.50 | .70 | .50 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 20 | 200 |
| 84SC219S | 17 45 24 | 64 37 38 | 3.0 | .70 | .50 | .30 | 700 | N | N | N | 70 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC220S | 17 45 5 | 64 37 40 | 3.0 | 1.50 | .70 | .30 | 1,000 | N | N | N | 30 | 1,000 | <1.0 | N | N | 15 | 150 |
| 84SC221S | 17 44 56 | 64 37 33 | 3.0 | 1.50 | .70 | .30 | 1,000 | N | N | N | 70 | 1,000 | <1.0 | N | N | 10 | 100 |
| 84SC222S | 17 44 57 | 64 37 15 | 3.0 | .70 | .70 | .50 | 700 | N | N | N | 70 | 700 | <1.0 | N | N | 10 | 150 |
| 84SC223S | 17 44 57 | 64 36 46 | 3.0 | 1.00 | 1.00 | .50 | 1,000 | N | N | N | 70 | 700 | <1.0 | N | N | 15 | 200 |
| 84SC224S | 17 45 14 | 64 36 23 | 3.0 | .50 | .70 | .30 | 1,000 | N | N | N | 70 | 700 | <1.0 | N | N | 10 | 150 |
| 84SC225S | 17 44 33 | 64 38 59 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 70 | 500 | 1.0 | N | N | 10 | 50 |
| 84SC226S | 17 44 13 | 64 38 39 | 3.0 | 1.00 | .70 | .30 | 1,500 | N | N | N | 70 | 500 | <1.0 | N | N | 10 | 70 |
| 84SC227S | 17 44 20 | 64 36 56 | 5.0 | 1.50 | 1.00 | .50 | 1,000 | N | N | N | 100 | 1,000 | <1.0 | N | N | 20 | 150 |
| 84SC228S | 17 44 6 | 64 36 39 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 50 | 500 | <1.0 | N | N | 15 | 20 |
| 84SC229S | 17 44 10 | 64 38 0 | 3.0 | 1.50 | 1.00 | .30 | 700 | .5 | N | N | 100 | 1,000 | <1.0 | N | N | 20 | 150 |
| 84SC230S | 17 43 39 | 64 38 43 | 5.0 | 1.00 | .30 | .30 | 1,000 | <.5 | N | N | 70 | 1,000 | <1.0 | N | N | 20 | 200 |
| 84SC231S | 17 44 12 | 64 39 3 | 3.0 | 1.50 | .70 | .30 | 700 | N | N | N | 70 | 700 | <1.0 | N | N | 15 | 150 |
| 84SC232S | 17 44 26 | 64 39 33 | 3.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 20 | 1,000 | <1.0 | N | N | 20 | 500 |
| 84SC233S | 17 44 50 | 64 38 53 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 15 | 70 |
| 84SC234S | 17 44 48 | 64 38 51 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 100 | 700 | <1.0 | N | N | 15 | 70 |
| 84SC235S | 17 45 3 | 64 39 3 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 20 | 700 | <1.0 | N | N | 20 | 150 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC137S | 50 | 20 | N | N | 10 | 300 | N | 5 | 20 | 200 | 50 | N | 10 | N | 30 | N |
| 84SC138S | 50 | 20 | N | N | 15 | 30 | N | 7 | 10 | 200 | 70 | N | 15 | N | 30 | N |
| 84SC139S | 50 | 20 | N | N | 30 | 100 | N | 10 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC140S | 50 | 20 | N | N | 15 | 50 | N | 7 | N | 200 | 100 | N | 15 | N | 30 | N |
| 84SC141S | 50 | <20 | N | N | 15 | 30 | N | 20 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC142S | 30 | 20 | N | N | 15 | 50 | N | 7 | N | 500 | 100 | N | 15 | N | 30 | N |
| 84SC143S | 50 | 20 | N | N | 20 | 30 | N | 10 | N | 300 | 150 | N | 15 | N | 30 | N |
| 84SC148S | 200 | N | N | N | 30 | 10 | N | 30 | N | 500 | 700 | N | 20 | N | 50 | N |
| 84SC150S | 70 | <20 | N | N | 30 | 10 | N | 20 | N | 500 | 300 | N | 15 | N | 70 | N |
| 84SC154S | 50 | 20 | N | N | 50 | 20 | N | 7 | N | 200 | 150 | N | 15 | N | 30 | N |
| 84SC156S | 100 | 20 | N | N | 50 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC200S | 100 | 20 | N | N | 100 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC201S | 100 | <20 | N | N | 150 | 15 | N | 15 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SC202S | 70 | 20 | N | N | 100 | N | N | 15 | N | 300 | 150 | N | 15 | <200 | 30 | N |
| 84SC203S | 150 | 20 | N | N | 150 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC204S | 70 | 20 | N | N | 100 | 15 | N | 10 | N | 300 | 150 | N | 15 | N | 30 | N |
| 84SC205S | 100 | 20 | N | N | 100 | 10 | N | 10 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC206S | 100 | <20 | N | N | 100 | 15 | N | 20 | N | 500 | 200 | N | 20 | N | 50 | N |
| 84SC207S | 100 | 20 | N | N | 100 | 15 | N | 15 | N | 200 | 150 | N | 20 | <200 | 50 | N |
| 84SC208S | 100 | 20 | N | N | 100 | 15 | N | 15 | N | 500 | 200 | N | 15 | N | 30 | N |
| 84SC209S | 100 | <20 | N | N | 70 | 10 | N | 30 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC210S | 100 | 20 | N | N | 50 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC212S | 100 | 20 | N | N | 50 | 10 | N | 15 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC213S | 100 | <20 | N | N | 70 | 15 | N | 20 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SC214S | 100 | <20 | N | N | 50 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC215S | 70 | 20 | N | N | 15 | <10 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC216S | 100 | 20 | N | N | 150 | 15 | N | 15 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC218S | 100 | <20 | N | N | 50 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 70 | N |
| 84SC219S | 70 | 20 | N | N | 70 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 70 | N |
| 84SC220S | 100 | 20 | N | N | 150 | 15 | N | 15 | N | 500 | 150 | N | 20 | N | 50 | N |
| 84SC221S | 100 | 20 | N | N | 100 | 15 | N | 15 | N | 500 | 150 | N | 15 | N | 50 | N |
| 84SC222S | 50 | <20 | N | N | 100 | 15 | N | 10 | N | 200 | 150 | N | 15 | N | 50 | N |
| 84SC223S | 100 | 20 | N | N | 150 | 10 | N | 15 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SC224S | 100 | 20 | N | N | 70 | 20 | N | 15 | N | 200 | 200 | N | 20 | <200 | 50 | N |
| 84SC225S | 70 | 20 | N | N | 30 | 20 | N | 15 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC226S | 100 | <20 | N | N | 30 | 15 | N | 15 | N | 150 | 200 | N | 20 | N | 30 | N |
| 84SC227S | 100 | <20 | N | N | 70 | 10 | N | 20 | N | 300 | 300 | N | 20 | N | 50 | N |
| 84SC228S | 100 | 20 | N | N | 5 | 15 | N | 20 | N | 500 | 300 | N | 15 | N | 20 | N |
| 84SC229S | 100 | 20 | N | N | 70 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC230S | 150 | 20 | N | N | 70 | 30 | N | 15 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SC231S | 70 | 20 | N | N | 50 | 15 | N | 15 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC232S | 100 | 20 | N | N | 150 | <10 | N | 10 | N | 300 | 100 | N | 20 | N | 70 | N |
| 84SC233S | 100 | 20 | N | N | 70 | 15 | N | 15 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC234S | 100 | <20 | N | N | 70 | 20 | N | 10 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC235S | 100 | <20 | N | N | 150 | 10 | N | 15 | N | 300 | 150 | N | 15 | N | 50 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC236S | 17 45 6 | 64 40 4 | 3.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | 10 | 700 | <1.0 | N | N | 20 | 500 |
| 84SC239S | 17 43 59 | 64 41 30 | 3.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 15 | 30 |
| 84SC240S | 17 44 5 | 64 41 17 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 70 |
| 84SC240S | 17 44 5 | 64 41 19 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | 50 | 700 | <1.0 | N | N | 15 | 70 |
| 84SC241S | 17 43 10 | 64 41 27 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC242S | 17 43 13 | 64 40 42 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 10 | 100 |
| 84SC243S | 17 43 22 | 64 41 42 | 5.0 | .70 | .70 | .50 | 300 | N | N | N | 50 | 1,000 | <1.0 | N | N | <5 | 50 |
| 84SC244S | 17 43 8 | 64 41 14 | 5.0 | 1.00 | 1.00 | .30 | 2,000 | N | N | N | 70 | 700 | 1.0 | N | N | 20 | 50 |
| 84SC245S | 17 43 46 | 64 40 10 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 20 | 1,000 | 1.0 | N | N | 15 | 150 |
| 84SC246S | 17 44 37 | 64 40 29 | 3.0 | 1.00 | 1.50 | .50 | 1,500 | N | N | N | 20 | 1,000 | 1.0 | N | N | 20 | 200 |
| 84SC247S | 17 44 30 | 64 40 53 | 5.0 | .70 | 1.50 | .70 | 1,500 | N | N | N | 30 | 1,500 | <1.0 | N | N | 20 | 50 |
| 84SC248S | 17 44 34 | 64 40 47 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 1,000 | <1.0 | N | N | 20 | 200 |
| 84SC249S | 17 45 31 | 64 40 19 | 5.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 1,000 | <1.0 | N | N | 50 | 700 |
| 84SC250S | 17 44 47 | 64 41 22 | 3.0 | .50 | 2.00 | .50 | 700 | N | N | N | 20 | 1,000 | <1.0 | N | N | 10 | 20 |
| 84SC251S | 17 44 26 | 64 41 39 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 30 | 1,000 | 1.0 | N | N | 30 | 50 |
| 84SC252S | 17 44 28 | 64 41 47 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 50 | 700 | 1.0 | N | N | 20 | 30 |
| 84SC253S | 17 44 43 | 64 42 2 | 3.0 | .70 | 1.50 | .50 | 700 | N | N | N | 30 | 1,000 | 1.0 | N | N | 10 | 20 |
| 84SC254S | 17 44 27 | 64 42 4 | 5.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 50 | 1,000 | 1.0 | N | N | 15 | 50 |
| 84SC255S | 17 44 17 | 64 42 37 | 5.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 30 | 700 | 1.0 | N | N | 10 | 30 |
| 84SC256S | 17 43 54 | 64 42 19 | 5.0 | 1.00 | 1.50 | .30 | 2,000 | N | N | N | 70 | 1,500 | 1.5 | N | N | 20 | 100 |
| 84SC257S | 17 43 25 | 64 42 4 | 3.0 | .70 | .70 | .30 | 1,000 | N | N | N | 50 | 700 | 1.5 | N | N | 7 | 30 |
| 84SC258S | 17 43 30 | 64 42 13 | 5.0 | .70 | .70 | .70 | 1,000 | N | N | N | 30 | 200 | <1.0 | N | N | 10 | 30 |
| 84SC259S | 17 42 38 | 64 42 14 | 3.0 | .50 | .50 | .30 | 700 | N | N | N | 50 | 500 | <1.0 | N | N | 10 | 30 |
| 84SC260S | 17 46 58 | 64 45 0 | 3.0 | 1.00 | 2.00 | .30 | 2,000 | N | N | N | 100 | 200 | <1.0 | N | N | 10 | 10 |
| 84SC261S | 17 46 24 | 64 45 1 | 3.0 | .70 | 7.00 | .20 | 700 | N | N | N | 50 | 300 | <1.0 | N | N | 10 | 50 |
| 84SC262S | 17 46 34 | 64 45 4 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 70 | 300 | <1.0 | N | N | 15 | 30 |
| 84SC263S | 17 46 9 | 64 44 59 | 3.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | 70 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC264S | 17 46 16 | 64 44 25 | 3.0 | 1.00 | 1.00 | .50 | 2,000 | N | N | N | 30 | 300 | <1.0 | N | N | 30 | 50 |
| 84SC264S | 17 46 13 | 64 44 22 | 3.0 | 1.00 | 1.00 | .50 | 2,000 | N | N | N | 30 | 300 | <1.0 | N | N | 30 | 50 |
| 84SC267S | 17 41 19 | 64 52 49 | 3.0 | .70 | 3.00 | .50 | 1,500 | N | N | N | 100 | 150 | 3.0 | N | N | 20 | 70 |
| 84SC268S | 17 41 29 | 64 52 14 | 3.0 | .70 | 10.00 | .30 | 1,000 | N | N | N | 70 | 150 | 2.0 | N | N | 10 | 50 |
| 84SC269S | 17 41 30 | 64 51 47 | 5.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 100 | 200 | 2.0 | N | N | 20 | 100 |
| 84SC270S | 17 41 33 | 64 50 53 | 5.0 | .70 | 1.00 | .30 | 2,000 | N | N | N | 70 | 500 | <1.0 | N | N | 30 | 30 |
| 84SC271S | 17 41 38 | 64 51 22 | 3.0 | .70 | 10.00 | .20 | 1,000 | N | N | N | 30 | 300 | <1.0 | N | N | 15 | 50 |
| 84SC272S | 17 42 6 | 64 50 37 | 3.0 | .70 | 5.00 | .30 | 1,000 | N | N | N | 70 | 300 | <1.0 | N | N | 10 | 30 |
| 84SC274S | 17 41 33 | 64 50 25 | 5.0 | 1.50 | 5.00 | .50 | 1,000 | N | N | N | 100 | 500 | <1.0 | N | N | 10 | 50 |
| 84SC275S | 17 42 8 | 64 51 5 | 3.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 50 | 700 | <1.0 | N | N | 10 | 50 |
| 84SC276S | 17 42 0 | 64 52 20 | 3.0 | .70 | 7.00 | .30 | 700 | N | N | N | 70 | 150 | 1.5 | N | N | 7 | 50 |
| 84SC277S | 17 41 52 | 64 52 43 | 3.0 | .70 | 7.00 | .30 | 1,000 | N | N | N | 70 | 150 | 2.0 | N | N | 10 | 100 |
| 84SC278S | 17 42 13 | 64 51 46 | 3.0 | .70 | 10.00 | .30 | 1,000 | N | N | N | 70 | 200 | <1.0 | N | N | 10 | 50 |
| 84SC279S | 17 42 30 | 64 51 9 | 3.0 | .70 | 5.00 | .30 | 1,000 | N | N | N | 70 | 500 | 1.0 | N | N | 10 | 100 |
| 84SC280S | 17 42 35 | 64 50 40 | 2.0 | 1.00 | 20.00 | .20 | 500 | N | N | N | 10 | 150 | <1.0 | N | N | <5 | 10 |
| 84SC281S | 17 41 34 | 64 49 27 | 3.0 | 1.00 | 20.00 | .30 | 1,000 | N | N | N | 70 | 150 | <1.0 | N | N | 5 | 20 |
| 84SC282S | 17 41 53 | 64 49 47 | 5.0 | 1.00 | 7.00 | .50 | 1,500 | N | N | N | 50 | 500 | N | N | N | 15 | 20 |
| 84SC283S | 17 42 30 | 64 49 47 | 3.0 | .70 | 7.00 | .30 | 1,500 | N | N | N | 50 | 200 | <1.0 | N | N | 10 | 50 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC236S | 70 | 20 | N | N | 200 | 20 | N | 15 | N | 300 | 150 | N | 20 | N | 30 | N |
| 84SC239S | 70 | 20 | N | N | 7 | 15 | N | 15 | N | 300 | 200 | N | 20 | N | 70 | N |
| 84SC240S | 100 | 20 | N | N | 70 | 20 | N | 10 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC240S | 100 | 20 | N | N | 70 | 20 | N | 10 | N | 300 | 100 | N | 15 | N | 30 | N |
| 84SC241S | 50 | 20 | N | N | 30 | 10 | N | 15 | N | 300 | 150 | N | 10 | N | 70 | N |
| 84SC242S | 50 | 20 | N | N | 30 | 10 | N | 15 | N | 300 | 150 | N | 15 | N | 70 | N |
| 84SC243S | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 300 | 200 | N | 10 | N | 150 | N |
| 84SC244S | 150 | 20 | N | N | 50 | 15 | N | 20 | N | 200 | 200 | N | 20 | <200 | 100 | N |
| 84SC245S | 100 | 20 | N | N | 150 | 15 | N | 10 | N | 300 | 150 | N | 15 | N | 150 | N |
| 84SC246S | 150 | 20 | N | N | 150 | 20 | N | 10 | N | 300 | 150 | N | 20 | N | 150 | N |
| 84SC247S | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 500 | 200 | N | 20 | N | 200 | N |
| 84SC248S | 70 | 20 | N | N | 200 | 20 | N | 10 | N | 300 | 150 | N | 20 | N | 150 | N |
| 84SC249S | 150 | 20 | N | N | 300 | 50 | N | 15 | 20 | 200 | 200 | N | 20 | N | 50 | N |
| 84SC250S | 70 | 20 | N | N | 15 | 20 | N | 30 | N | 500 | 200 | N | 20 | N | 150 | N |
| 84SC251S | 100 | 20 | N | N | 30 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 150 | N |
| 84SC252S | 100 | 20 | N | N | 20 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 150 | N |
| 84SC253S | 70 | 20 | N | N | 15 | 70 | N | 20 | N | 300 | 200 | N | 20 | N | 150 | N |
| 84SC254S | 100 | 20 | N | N | 15 | 15 | N | 30 | N | 300 | 300 | N | 20 | N | 150 | N |
| 84SC255S | 100 | 20 | N | N | 10 | 30 | N | 30 | N | 300 | 300 | N | 20 | N | 150 | N |
| 84SC256S | 100 | 20 | N | N | 70 | 20 | N | 20 | N | 200 | 200 | N | 30 | N | 150 | N |
| 84SC257S | 50 | 20 | N | N | 15 | 10 | N | 15 | N | 300 | 150 | N | 20 | N | 100 | N |
| 84SC258S | 70 | <20 | N | N | 20 | <10 | N | 20 | N | 300 | 150 | N | 20 | N | 100 | N |
| 84SC259S | 50 | 20 | N | N | 30 | 10 | N | 15 | N | 300 | 150 | N | 20 | N | 100 | N |
| 84SC260S | 70 | 20 | N | N | 7 | 15 | N | 20 | N | 200 | 200 | N | 20 | N | 50 | N |
| 84SC261S | 70 | <20 | N | N | 15 | 10 | N | 10 | N | 300 | 150 | N | 15 | N | 50 | N |
| 84SC262S | 50 | <20 | N | N | 10 | <10 | N | 20 | N | 200 | 150 | N | 20 | N | 50 | N |
| 84SC263S | 70 | <20 | N | N | 20 | 15 | N | 20 | N | 300 | 200 | N | 15 | N | 30 | N |
| 84SC264S | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC264S | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 300 | 200 | N | 20 | N | 50 | N |
| 84SC267S | 50 | 30 | N | N | 30 | 20 | N | 20 | N | N | 150 | N | 20 | N | 100 | N |
| 84SC268S | 50 | 20 | N | N | 20 | 15 | N | 10 | N | N | 70 | N | 15 | N | 30 | N |
| 84SC269S | 50 | 20 | N | N | 30 | 20 | N | 15 | N | <100 | 150 | N | 20 | N | 150 | N |
| 84SC270S | 50 | 20 | N | N | 20 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 30 | N |
| 84SC271S | 30 | 20 | N | N | 15 | 20 | N | 7 | N | 200 | 100 | N | 15 | N | 50 | N |
| 84SC272S | 50 | <20 | N | N | 15 | 20 | N | 20 | N | 300 | 200 | N | 20 | N | 70 | N |
| 84SC274S | 50 | <20 | N | N | 20 | 15 | N | 20 | N | 300 | 300 | N | 20 | N | 70 | N |
| 84SC275S | 50 | 20 | N | N | 15 | 10 | N | 15 | N | 300 | 150 | N | 20 | N | 30 | N |
| 84SC276S | 50 | 20 | N | N | 20 | 20 | N | 15 | N | N | 100 | N | 15 | N | 30 | N |
| 84SC277S | 30 | 20 | N | N | 20 | 20 | N | 20 | N | N | 100 | N | 20 | N | 30 | N |
| 84SC278S | 50 | 20 | N | N | 20 | 20 | N | 15 | N | <100 | 100 | N | 15 | N | 30 | N |
| 84SC279S | 50 | 20 | N | N | 20 | 15 | N | 20 | N | 300 | 150 | N | 15 | N | 0 | N |
| 84SC280S | 20 | 20 | N | N | <5 | N | N | 5 | N | 300 | 50 | N | 10 | N | 15 | N |
| 84SC281S | 50 | 20 | N | N | 7 | 30 | N | 7 | N | 150 | 70 | N | 10 | N | 100 | N |
| 84SC282S | 100 | <20 | N | N | 15 | 30 | N | 20 | N | 500 | 200 | N | 15 | N | 50 | N |
| 84SC283S | 50 | 20 | N | N | 20 | 20 | N | 10 | N | 150 | 200 | N | 20 | N | 30 | N |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | LATITUDE | LONGITUD | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI | S-CD | S-CO | S-CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC284S | 17 42 38 | 64 50 13 | 5.0 | 1.00 | 5.00 | .30 | 1,500 | N | N | N | 70 | 500 | <1.0 | N | N | 20 | 30 |
| 84SC285S | 17 45 23 | 64 41 35 | 5.0 | .70 | .20 | .50 | 200 | N | N | N | 50 | 1,500 | <1.0 | N | N | 10 | 500 |
| 84SC286S | 17 44 24 | 64 40 13 | 5.0 | 1.00 | 1.50 | .50 | 1,500 | N | N | N | 30 | 1,000 | 2.0 | N | N | 30 | 150 |
| 84SC287S | 17 43 12 | 64 41 40 | 3.0 | .70 | .20 | .30 | 700 | N | N | N | 70 | 1,500 | 1.0 | N | N | 10 | 30 |
| 84SC288S | 17 43 26 | 64 41 44 | 3.0 | 1.00 | .50 | .50 | 1,000 | N | N | N | 70 | 700 | 1.5 | N | N | 10 | 50 |
| 84SC289S | 17 43 38 | 64 41 42 | 5.0 | 1.00 | .70 | .50 | 2,000 | N | N | N | 70 | 700 | 1.5 | N | N | 15 | 50 |
| 84SC290S | 17 43 41 | 64 41 36 | 5.0 | 1.00 | 1.00 | .70 | 2,000 | N | N | N | 30 | 1,000 | <1.0 | N | N | 30 | 50 |
| 84SC291S | 17 43 49 | 64 41 30 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 70 | 1,000 | 1.5 | N | N | 15 | 50 |
| 84SC293S | 17 44 26 | 64 41 31 | 5.0 | .70 | 1.50 | .50 | 1,500 | N | N | N | 20 | 1,000 | <1.0 | N | N | 15 | 20 |
| 84SC294S | 17 44 39 | 64 41 46 | 5.0 | 1.00 | 2.00 | .70 | 1,500 | N | N | N | 20 | 1,000 | <1.0 | N | N | 20 | 20 |
| 84SC295S | 17 44 32 | 64 41 47 | 5.0 | 1.00 | 2.00 | .70 | 1,500 | N | N | N | 20 | 1,000 | 1.5 | N | N | 15 | 20 |
| 84SC297S | 17 44 8 | 64 41 40 | 3.0 | 1.00 | 1.00 | .50 | 1,500 | N | N | N | 100 | 1,000 | 1.5 | N | N | 15 | 150 |
| 84SC298S | 17 44 10 | 64 41 52 | 3.0 | .70 | .50 | .30 | 1,500 | <.5 | N | N | 70 | 1,000 | 2.0 | N | N | 15 | 70 |
| 84SC299S | 17 45 45 | 64 51 2 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 300 | N | N | N | 15 | 30 |
| 84SC300S | 17 45 42 | 64 50 41 | 5.0 | 1.50 | 3.00 | .30 | 1,500 | N | N | N | 15 | 500 | <1.0 | N | N | 20 | 30 |

Table 4. Semiquantitative spectrographic analyses of soil samples collected on the U.S. Virgin Islands.--Continued

| Sample | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V | S-W | S-Y | S-ZN | S-ZR | S-TH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC284S | 70 | <20 | N | N | 20 | 20 | N | 20 | N | 500 | 300 | N | 20 | N | 30 | N |
| 84SC285S | 100 | 20 | N | N | 150 | 15 | N | 20 | N | <100 | 200 | N | 15 | N | 100 | N |
| 84SC286S | 150 | 20 | N | N | 150 | 20 | N | 15 | N | 300 | 200 | N | 20 | <200 | 70 | N |
| 84SC287S | 30 | 20 | N | N | 15 | 20 | N | 15 | N | 300 | 100 | N | 20 | N | 100 | N |
| 84SC288S | 70 | 20 | N | N | 20 | 15 | N | 20 | N | 200 | 150 | N | 30 | N | 100 | N |
| 84SC289S | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 200 | 200 | N | 30 | N | 100 | N |
| 84SC290S | 100 | 20 | N | N | 30 | 15 | N | 20 | N | 300 | 200 | N | 20 | N | 100 | N |
| 84SC291S | 70 | 20 | N | N | 70 | 15 | N | 15 | N | 300 | 150 | N | 20 | N | 50 | N |
| 84SC293S | 100 | 20 | N | N | 15 | 20 | N | 20 | N | 500 | 200 | N | 20 | N | 100 | N |
| 84SC294S | 100 | 20 | N | N | 10 | 20 | N | 20 | N | 500 | 300 | N | 20 | N | 150 | N |
| 84SC295S | 100 | 20 | N | N | 10 | 15 | N | 20 | N | 500 | 300 | N | 20 | N | 150 | N |
| 84SC297S | 70 | 20 | N | N | 50 | 15 | N | 15 | N | 300 | 150 | N | 20 | N | 100 | N |
| 84SC298S | 100 | 20 | N | N | 70 | 10 | N | 15 | N | 100 | 100 | N | 30 | N | 30 | N |
| 84SC299S | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 500 | 300 | N | 15 | N | 50 | N |
| 84SC300S | 100 | N | N | N | 20 | 10 | N | 20 | N | 300 | 300 | N | 15 | N | 30 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | 18 20 46 | 64 53 14 | 5.0 | 1.00 | 3.00 | .50 | 1,000 | N | N | N | 15 | 200 | N |
| 83ST002 | 18 20 48 | 64 52 44 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 15 | 200 | <1 |
| 83ST003 | 18 20 23 | 64 51 58 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 10 | 150 | N |
| 83ST016 | 18 19 47 | 64 56 42 | 5.0 | .70 | 1.50 | .50 | 1,000 | N | N | N | 15 | 100 | N |
| 83ST026 | 18 21 22 | 64 53 21 | 3.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 300 | <1 |
| 83ST028 | 18 23 34 | 64 54 32 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 200 | <1 |
| 83ST032 | 18 22 37 | 64 55 41 | 5.0 | .70 | .20 | .50 | 1,000 | N | N | N | 50 | 500 | <1 |
| 83ST033 | 18 22 1 | 64 55 15 | 5.0 | 1.50 | 5.00 | .50 | 1,500 | N | N | N | 20 | 300 | <1 |
| 83ST034 | 18 21 34 | 64 55 39 | 2.0 | 1.00 | 20.00 | .20 | 500 | N | N | N | 20 | 150 | N |
| 83ST035 | 18 21 49 | 64 56 14 | 5.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 10 | 500 | N |
| 83ST036 | 18 22 28 | 64 56 57 | 5.0 | 2.00 | 2.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 83ST037 | 18 22 12 | 64 58 5 | 5.0 | .70 | 1.50 | .50 | 1,000 | <.5 | N | N | 10 | 200 | <1 |
| 83ST038 | 18 23 0 | 64 58 8 | 3.0 | 1.50 | 7.00 | .20 | 1,000 | N | N | N | 20 | 150 | N |
| 83ST039 | 18 23 14 | 64 58 21 | 5.0 | 2.00 | 3.00 | .50 | 1,000 | N | N | N | 10 | 200 | N |
| 83ST040 | 18 23 41 | 64 58 8 | 5.0 | 1.50 | 2.00 | .70 | 1,500 | N | N | N | 10 | 300 | <1 |
| 83ST041 | 18 24 5 | 64 58 30 | 5.0 | 1.50 | 2.00 | .70 | 1,000 | N | N | N | 20 | 200 | N |
| 83ST042 | 18 22 24 | 64 58 32 | 7.0 | 1.50 | .70 | .50 | 2,000 | N | N | N | N | 300 | N |
| 83ST043 | 18 22 21 | 64 59 0 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 15 | 500 | N |
| 83ST047 | 18 16 44 | 64 53 46 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 20 | 150 | <1 |
| 83ST048 | 18 18 39 | 64 53 4 | 3.0 | 2.00 | .70 | .50 | 1,500 | N | N | N | 10 | 50 | <1 |
| 83ST050 | 18 19 38 | 64 55 18 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 20 | 100 | N |
| 83ST051 | 18 19 37 | 64 56 58 | .7 | .20 | .15 | .20 | 700 | N | N | N | 20 | 70 | <1 |
| 83ST054 | 18 19 55 | 64 58 21 | 1.0 | .15 | .07 | .20 | 50 | .5 | N | N | 10 | 500 | <1 |
| 83ST055 | 18 21 0 | 64 59 10 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 20 | 100 | N |
| 83ST056 | 18 20 54 | 65 1 54 | 3.0 | .70 | 2.00 | .30 | 1,000 | N | N | N | 20 | 100 | N |
| 83ST057 | 18 21 16 | 65 2 6 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 200 | N |
| 83ST058 | 18 20 40 | 65 4 47 | 3.0 | 1.50 | 3.00 | .30 | 1,000 | 3.0 | N | N | 15 | 150 | N |
| 83ST059 | 18 20 23 | 65 5 6 | 3.0 | .50 | .70 | .30 | 1,000 | N | N | N | 20 | 150 | <1 |
| 83ST060 | 18 21 42 | 65 2 49 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 20 | 300 | <1 |
| 83ST061 | 18 21 43 | 65 3 9 | 3.0 | 1.00 | 1.50 | .20 | 5,000 | N | N | N | 20 | 500 | 1 |
| 83ST065 | 18 21 46 | 64 59 37 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 20 | 200 | N |
| 83ST067 | 18 19 41 | 64 51 14 | 3.0 | .30 | .20 | .30 | 1,500 | <.5 | N | N | 30 | 150 | <1 |
| 83ST068 | 18 19 59 | 64 51 14 | 3.0 | .30 | .30 | .30 | 1,000 | N | N | N | 30 | 100 | <1 |
| 83ST069 | 18 19 36 | 64 51 40 | 1.0 | .30 | .20 | .20 | 700 | N | N | N | 30 | 70 | <1 |
| 83ST070 | 18 19 40 | 64 52 23 | 2.0 | .50 | .30 | .30 | 1,000 | N | N | N | 30 | 150 | <1 |
| 83ST071 | 18 19 42 | 64 52 25 | 2.0 | .50 | .50 | .30 | 1,000 | N | N | N | 20 | 300 | <1 |
| 83ST072 | 18 19 19 | 64 53 29 | 3.0 | 1.00 | .70 | .30 | 1,000 | N | N | N | 10 | 70 | N |
| 83ST073 | 18 19 27 | 64 53 28 | 2.0 | .70 | .50 | .20 | 1,000 | N | N | N | 10 | 70 | <1 |
| 83ST074 | 18 20 5 | 64 53 3 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 10 | 150 | N |
| 83ST075 | 18 19 44 | 64 53 0 | 2.0 | .30 | .20 | .20 | 500 | N | N | N | 20 | 100 | <1 |
| 83ST076 | 18 19 34 | 64 54 35 | 3.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 10 | 100 | <1 |
| 83ST077 | 18 19 12 | 64 54 42 | 2.0 | 1.00 | .70 | .30 | 500 | N | N | N | 15 | 70 | N |
| 83ST078 | 18 19 11 | 64 53 59 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 15 | 100 | N |
| 83ST079 | 18 19 30 | 64 54 16 | 3.0 | .50 | .70 | .50 | 2,000 | N | N | N | 10 | 500 | N |
| 83ST080 | 18 20 13 | 64 54 30 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 15 | 200 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | N | N | 15 | 70 | 70 | N | N | N | 10 | 30 | N | 20 | 15 | 500 |
| 83ST002 | N | N | 15 | 100 | 70 | <20 | N | N | 20 | 70 | N | 20 | N | 500 |
| 83ST003 | N | N | 20 | 50 | 100 | <20 | N | N | 20 | 15 | N | 30 | N | 300 |
| 83ST016 | N | N | 10 | 15 | 50 | N | N | N | 10 | 15 | N | 20 | N | 200 |
| 83ST026 | N | N | 30 | 30 | 70 | <20 | N | N | 20 | 30 | N | 20 | N | 300 |
| 83ST028 | N | N | 30 | 50 | 100 | <20 | N | N | 15 | 20 | N | 30 | N | 500 |
| 83ST032 | N | N | 20 | 30 | 70 | 20 | N | N | 10 | 30 | N | 30 | N | 150 |
| 83ST033 | N | N | 20 | 50 | 100 | N | N | N | 15 | 100 | N | 30 | N | 300 |
| 83ST034 | N | N | 10 | 20 | 50 | <20 | N | N | <5 | 30 | N | 20 | N | 3,000 |
| 83ST035 | N | N | 20 | 15 | 100 | N | N | N | 10 | 20 | N | 30 | N | 300 |
| 83ST036 | N | N | 30 | 70 | 150 | N | N | N | 30 | 15 | N | 30 | N | 300 |
| 83ST037 | N | N | 10 | <10 | 100 | <20 | N | N | 7 | 20 | N | 20 | N | 300 |
| 83ST038 | N | N | 15 | 20 | 50 | N | N | N | 10 | 10 | N | 30 | N | 300 |
| 83ST039 | N | N | 10 | 300 | 100 | N | N | N | 70 | 20 | N | 30 | N | 300 |
| 83ST040 | N | N | 15 | <10 | 150 | <20 | N | N | 7 | 15 | N | 30 | N | 200 |
| 83ST041 | N | N | 20 | 15 | 150 | N | N | N | 10 | 10 | N | 20 | N | 300 |
| 83ST042 | N | N | 50 | <10 | 150 | N | N | N | <5 | 10 | N | 30 | N | <100 |
| 83ST043 | N | N | 30 | 30 | 100 | N | N | N | 15 | 15 | N | 30 | N | 500 |
| 83ST047 | N | N | 20 | 100 | 70 | N | N | N | 50 | 20 | N | 20 | N | 150 |
| 83ST048 | 10 | N | 20 | 100 | 500 | N | N | N | 50 | <10 | N | 20 | N | 100 |
| 83ST050 | N | N | 20 | 50 | 70 | N | N | N | 20 | 300 | N | 30 | N | 300 |
| 83ST051 | N | N | <5 | 15 | 10 | <20 | N | N | 5 | 20 | N | 7 | N | N |
| 83ST054 | N | N | N | 10 | 50 | <20 | N | N | <5 | 70 | N | 10 | N | N |
| 83ST055 | N | N | 20 | 20 | 100 | N | N | N | 15 | 50 | N | 30 | N | 500 |
| 83ST056 | N | N | 15 | 10 | 100 | N | N | N | 10 | 15 | N | 30 | N | 200 |
| 83ST057 | N | N | 20 | 15 | 150 | N | N | N | 10 | 10 | N | 30 | N | 300 |
| 83ST058 | N | N | 15 | 20 | 70 | <20 | N | N | 10 | 10 | N | 30 | N | 500 |
| 83ST059 | N | N | 10 | 20 | 50 | <20 | N | N | 10 | 10 | N | 30 | N | 200 |
| 83ST060 | N | N | 10 | 10 | 100 | <20 | N | N | <5 | 20 | N | 20 | N | 300 |
| 83ST061 | N | N | 50 | 10 | 50 | <20 | N | N | <5 | 30 | N | 15 | N | 200 |
| 83ST065 | N | N | 20 | 10 | 150 | N | N | N | 10 | 10 | N | 30 | N | 300 |
| 83ST067 | N | N | 10 | 20 | 30 | <20 | N | N | 10 | 30 | N | 20 | N | 100 |
| 83ST068 | N | N | 10 | 150 | 30 | <20 | N | N | 10 | 15 | N | 20 | N | 100 |
| 83ST069 | N | N | 5 | 10 | 20 | <20 | N | N | 7 | 10 | N | 10 | N | <100 |
| 83ST070 | N | N | 10 | 20 | 30 | <20 | N | N | 10 | 30 | N | 15 | N | 150 |
| 83ST071 | N | N | 7 | 20 | 30 | <20 | N | N | 10 | 30 | N | 15 | N | 150 |
| 83ST072 | N | N | 10 | 30 | 70 | <20 | N | N | 20 | 20 | N | 20 | N | 100 |
| 83ST073 | N | N | 10 | 30 | 50 | <20 | N | N | 15 | 15 | N | 15 | N | <100 |
| 83ST074 | N | N | 20 | 30 | 100 | N | N | N | 15 | 50 | N | 30 | N | 500 |
| 83ST075 | N | N | 5 | 20 | 15 | N | N | N | 15 | <10 | N | 15 | N | N |
| 83ST076 | N | N | 10 | 20 | 100 | N | N | N | 15 | 10 | N | 20 | N | 200 |
| 83ST077 | N | N | 7 | 70 | 30 | N | N | N | 15 | <10 | N | 15 | N | 20 |
| 83ST078 | N | N | 10 | 50 | 70 | N | N | N | 20 | 30 | N | 20 | N | 150 |
| 83ST079 | N | N | 10 | 200 | 50 | N | N | N | 15 | 20 | N | 10 | N | 200 |
| 83ST080 | N | N | 10 | 20 | 70 | N | N | N | 10 | 70 | N | 20 | N | 200 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST001 | 200 | N | 20 | N | 50 | N |
| 83ST002 | 300 | N | 20 | N | 50 | N |
| 83ST003 | 300 | N | 20 | N | 20 | N |
| 83ST016 | 300 | N | 20 | N | 30 | N |
| 83ST026 | 200 | N | 15 | N | 50 | N |
| 83ST028 | 300 | N | 20 | N | 50 | N |
| 83ST032 | 200 | N | 20 | N | 70 | N |
| 83ST033 | 200 | N | 20 | N | 50 | N |
| 83ST034 | 150 | N | 20 | N | 20 | N |
| 83ST035 | 200 | N | 20 | N | 30 | N |
| 83ST036 | 300 | N | 15 | N | 20 | N |
| 83ST037 | 300 | N | 20 | N | 30 | N |
| 83ST038 | 150 | N | 10 | N | 20 | N |
| 83ST039 | 200 | N | 20 | N | 50 | N |
| 83ST040 | 300 | N | 30 | N | 70 | N |
| 83ST041 | 500 | N | 20 | N | 70 | N |
| 83ST042 | 300 | N | 20 | N | 20 | N |
| 83ST043 | 300 | N | 20 | N | 30 | N |
| 83ST047 | 200 | N | 30 | N | 50 | N |
| 83ST048 | 150 | N | 15 | <200 | 50 | N |
| 83ST050 | 200 | N | 20 | N | 30 | N |
| 83ST051 | 30 | N | 20 | N | 70 | N |
| 83ST054 | 20 | N | 15 | N | 50 | N |
| 83ST055 | 200 | N | 20 | N | 20 | N |
| 83ST056 | 300 | N | 15 | N | 15 | N |
| 83ST057 | 300 | N | 20 | N | 30 | N |
| 83ST058 | 200 | N | 15 | N | 20 | N |
| 83ST059 | 150 | N | 20 | N | 50 | N |
| 83ST060 | 100 | N | 30 | N | 50 | N |
| 83ST061 | 100 | N | 20 | N | 30 | N |
| 83ST065 | 300 | N | 20 | N | 30 | N |
| 83ST067 | 100 | N | 30 | N | 50 | N |
| 83ST068 | 100 | N | 20 | N | 5 | N |
| 83ST069 | 70 | N | 20 | N | 30 | N |
| 83ST070 | 100 | N | 20 | N | 50 | N |
| 83ST071 | 100 | N | 20 | N | 50 | N |
| 83ST072 | 150 | N | 20 | N | 30 | N |
| 83ST073 | 100 | N | 20 | N | 50 | N |
| 83ST074 | 200 | N | 15 | N | 30 | N |
| 83ST075 | 70 | N | 20 | N | 50 | N |
| 83ST076 | 200 | N | 20 | N | 30 | N |
| 83ST077 | 100 | N | 20 | N | 30 | N |
| 83ST078 | 150 | N | 15 | N | 30 | N |
| 83ST079 | 150 | N | 15 | N | 30 | N |
| 83ST080 | 200 | N | 20 | N | 30 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. | Mg-pct. | Ca-pct. | Ti-pct. | Mn-ppm | Ag-ppm | As-ppm | Au-ppm | B-ppm | Ba-ppm | Be-ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | s | s | s | s | s | s | s | s | s | s | s |
| 83ST081 | 18 20 18 | 64 54 24 | 5.0 | 1.00 | 3.00 | .50 | 1,000 | N | N | N | 15 | 200 | N |
| 83ST082 | 18 20 12 | 64 54 12 | 5.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 20 | 150 | N |
| 83ST083 | 18 20 15 | 64 53 30 | 5.0 | 1.50 | 5.00 | .30 | 1,000 | N | N | N | 10 | 150 | N |
| 83ST085 | 18 21 32 | 64 54 30 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 15 | 200 | N |
| 83ST086 | 18 21 17 | 64 55 16 | 3.0 | .30 | 1.50 | .30 | 1,000 | N | N | N | 15 | 300 | <1 |
| 83ST087 | 18 21 43 | 64 56 31 | 7.0 | 1.00 | 2.00 | 1.00 | 1,500 | N | N | N | <10 | 500 | N |
| 83ST088 | 18 22 11 | 64 57 8 | 3.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 10 | 300 | N |
| 83ST089 | 18 22 9 | 64 57 38 | 5.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | <10 | 300 | N |
| 83ST090 | 18 21 52 | 64 58 35 | 5.0 | .70 | 1.00 | .50 | 1,500 | N | N | N | <10 | 500 | N |
| 83ST091 | 18 21 39 | 65 0 55 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 15 | 200 | N |
| 83ST092 | 18 21 32 | 65 1 5 | 5.0 | 1.00 | 1.50 | .50 | 1,500 | N | N | N | 15 | 200 | N |
| 83ST093 | 18 21 4 | 65 1 22 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 10 | 100 | N |
| 83ST094 | 18 20 45 | 65 1 22 | 7.0 | 1.50 | 1.50 | .50 | 1,500 | N | N | N | 10 | 100 | N |
| 83ST096 | 18 21 28 | 65 1 55 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 10 | 200 | N |
| 83ST097 | 18 20 44 | 64 56 55 | 5.0 | 1.50 | 3.00 | .50 | 2,000 | N | N | N | 10 | 200 | N |
| 83ST098 | 18 20 49 | 64 57 8 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 83ST099 | 18 20 58 | 64 57 46 | 5.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | N | 150 | N |
| 84SJ001 | 18 20 27 | 64 47 22 | 3.0 | .70 | 3.00 | .50 | 700 | N | N | N | 20 | 200 | N |
| 84SJ002 | 18 20 29 | 64 47 6 | 5.0 | 1.50 | 5.00 | .50 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ003 | 18 20 49 | 64 46 51 | 7.0 | 3.00 | 10.00 | .50 | 1,500 | N | N | N | 10 | 150 | N |
| 84SJ004 | 18 20 53 | 64 46 36 | 5.0 | 2.00 | 7.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ005 | 18 21 8 | 64 46 30 | 5.0 | 1.50 | 5.00 | .50 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ006 | 18 21 12 | 64 46 5 | 5.0 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 15 | 150 | N |
| 84SJ007 | 18 21 12 | 64 45 49 | 3.0 | 2.00 | 5.00 | .30 | 1,000 | N | N | N | 10 | 100 | N |
| 84SJ008 | 18 21 12 | 64 45 21 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | 10 | 150 | N |
| 84SJ009 | 18 21 16 | 64 45 9 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | N | 150 | N |
| 84SJ010 | 18 21 57 | 64 44 29 | 7.0 | 3.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 300 | N |
| 84SJ011 | 18 21 57 | 64 44 17 | 5.0 | 1.50 | 5.00 | .50 | 1,500 | N | N | N | 10 | 1,000 | <1 |
| 84SJ012 | 18 21 54 | 64 43 40 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | 10 | 200 | <1 |
| 84SJ013 | 18 21 38 | 64 44 6 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 10 | 200 | N |
| 84SJ014 | 18 21 28 | 64 44 22 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | N | 200 | N |
| 84SJ015 | 18 21 50 | 64 43 6 | 3.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 15 | 300 | <1 |
| 84SJ016 | 18 21 27 | 64 43 42 | 5.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 15 | 150 | <1 |
| 84SJ017 | 18 21 15 | 64 43 2 | 1.5 | .70 | .70 | .30 | 1,500 | N | N | N | 10 | 200 | <1 |
| 84SJ018 | 18 21 7 | 64 42 48 | 10.0 | 3.00 | 3.00 | .50 | 1,500 | N | N | N | N | 150 | N |
| 84SJ019 | 18 21 20 | 64 42 22 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 10 | 150 | <1 |
| 84SJ020 | 18 21 30 | 64 42 4 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 10 | 150 | <1 |
| 84SJ021 | 18 21 4 | 64 43 24 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 10 | 150 | N |
| 84SJ022 | 18 20 57 | 64 43 29 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 10 | 150 | N |
| 84SJ023 | 18 20 55 | 64 43 27 | 3.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 15 | 500 | N |
| 84SJ024 | 18 20 32 | 64 42 55 | 2.0 | 1.00 | 1.50 | .30 | 1,500 | .5 | N | N | 10 | 150 | N |
| 84SJ025 | 18 20 42 | 64 43 5 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 15 | 300 | N |
| 84SJ026 | 18 21 29 | 64 41 45 | 3.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 150 | <1 |
| 84SJ027 | 18 21 33 | 64 41 27 | 7.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 10 | 200 | N |
| 84SJ028 | 18 21 9 | 64 40 59 | 5.0 | 1.00 | 2.00 | .70 | 1,500 | N | N | N | N | 100 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI081 | N | N | 10 | 20 | 100 | N | N | N | 15 | 20 | N | 20 | N | 300 |
| 83SI082 | N | N | 15 | 30 | 100 | N | N | N | 20 | 20 | N | 20 | N | 200 |
| 83SI083 | N | N | 10 | 15 | 100 | N | N | N | 15 | 20 | N | 20 | N | 200 |
| 83SI085 | N | N | 20 | 30 | 100 | N | N | N | 20 | 50 | N | 20 | N | 300 |
| 83SI086 | N | N | 7 | 20 | 30 | <20 | N | N | 10 | 30 | N | 15 | N | 300 |
| 83SI087 | N | N | 10 | 10 | 100 | N | N | N | 15 | 15 | N | 20 | N | 500 |
| 83SI088 | N | N | 10 | 20 | 70 | N | N | N | 15 | 15 | N | 20 | N | 300 |
| 83SI089 | N | N | 20 | 10 | 100 | N | N | N | 15 | 15 | N | 30 | N | 300 |
| 83SI090 | N | N | 15 | 20 | 100 | N | N | N | 15 | 15 | N | 20 | N | 300 |
| 83SI091 | N | N | 15 | 15 | 150 | N | N | N | 50 | 10 | N | 30 | N | 300 |
| 83SI092 | N | N | 15 | 20 | 100 | N | N | N | 15 | 10 | N | 30 | N | 500 |
| 83SI093 | N | N | 10 | 15 | 150 | N | N | N | 10 | 10 | N | 20 | N | 200 |
| 83SI094 | N | N | 20 | 20 | 200 | N | N | N | 20 | 10 | N | 30 | N | 200 |
| 83SI096 | N | N | 15 | 15 | 100 | <20 | N | N | 15 | 10 | N | 20 | N | 200 |
| 83SI097 | N | N | 20 | 30 | 100 | N | N | N | 15 | 2,000 | N | 30 | N | 300 |
| 83SI098 | N | N | 20 | 30 | 100 | N | N | N | 20 | 500 | N | 30 | N | 300 |
| 83SI099 | N | N | 20 | 30 | 100 | <20 | N | N | 20 | 20 | N | 30 | N | 500 |
| 84SJ001 | N | N | 7 | 20 | 70 | <20 | N | N | 15 | 30 | N | 30 | N | 500 |
| 84SJ002 | N | N | 10 | 70 | 70 | N | N | N | 30 | 30 | N | 30 | N | 500 |
| 84SJ003 | N | N | 20 | 100 | 100 | <20 | N | N | 70 | 30 | N | 50 | N | 700 |
| 84SJ004 | N | N | 20 | 100 | 70 | <20 | N | N | 30 | 20 | N | 30 | N | 500 |
| 84SJ005 | N | N | 20 | 70 | 70 | N | N | N | 30 | 20 | N | 30 | N | 300 |
| 84SJ006 | N | N | 15 | 50 | 70 | N | N | N | 15 | 20 | N | 30 | N | 500 |
| 84SJ007 | N | N | 20 | 100 | 100 | <20 | N | N | 30 | 15 | N | 30 | N | 300 |
| 84SJ008 | N | N | 30 | 50 | 70 | N | N | N | 15 | 20 | N | 50 | N | 500 |
| 84SJ009 | N | N | 15 | 30 | 70 | N | N | N | 10 | 15 | N | 30 | N | 300 |
| 84SJ010 | N | N | 30 | 50 | 200 | <20 | N | N | 50 | 15 | N | 30 | N | 300 |
| 84SJ011 | N | N | 20 | 30 | 100 | <20 | N | N | 15 | 30 | N | 20 | N | 300 |
| 84SJ012 | N | N | 30 | 50 | 70 | <20 | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SJ013 | N | N | 80 | 500 | 100 | <20 | N | N | 20 | 70 | N | 20 | N | 200 |
| 84SJ014 | N | N | 20 | 70 | 100 | N | N | N | 20 | 20 | N | 20 | N | 200 |
| 84SJ015 | N | N | 30 | 50 | 100 | 20 | N | N | 20 | 15 | N | 30 | N | 300 |
| 84SJ016 | N | N | 30 | 20 | 200 | <20 | N | N | 10 | 15 | N | 30 | N | 150 |
| 84SJ017 | N | N | 7 | 15 | 50 | <20 | N | N | 7 | 30 | N | 10 | N | <100 |
| 84SJ018 | N | N | 50 | 70 | 200 | N | N | N | 30 | 15 | N | 30 | N | 200 |
| 84SJ019 | N | N | 10 | 20 | 30 | <20 | N | N | 10 | 10 | N | 15 | N | 300 |
| 84SJ020 | N | N | 7 | 20 | 30 | <20 | N | N | 10 | 30 | N | 15 | N | 200 |
| 84SJ021 | N | N | 15 | 20 | 50 | N | N | N | 15 | 10 | N | 20 | <10 | 150 |
| 84SJ022 | N | N | 7 | 30 | 30 | N | N | N | 10 | 10 | N | 10 | N | 100 |
| 84SJ023 | N | N | 7 | 30 | 150 | 20 | N | N | 10 | 30 | N | 15 | N | 150 |
| 84SJ024 | N | N | 7 | 30 | 30 | N | N | N | 50 | 70 | N | 15 | 10 | 200 |
| 84SJ025 | N | N | 10 | 100 | 50 | N | N | N | 20 | 30 | N | 30 | N | 300 |
| 84SJ026 | N | N | 10 | 30 | 30 | <20 | N | N | 20 | 30 | N | 15 | N | 150 |
| 84SJ027 | N | N | 10 | 30 | 50 | N | N | N | 20 | 10 | N | 30 | N | 200 |
| 84SJ028 | N | N | 10 | 15 | 50 | N | N | N | 5 | 15 | N | 15 | N | 200 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST081 | 300 | N | 20 | N | 20 | N |
| 83ST082 | 200 | N | 20 | N | 30 | N |
| 83ST083 | 300 | N | 15 | N | 20 | N |
| 83ST085 | 300 | N | 15 | N | 30 | N |
| 83ST086 | 150 | N | 20 | N | 30 | N |
| 83ST087 | 300 | N | 20 | N | 50 | N |
| 83ST088 | 200 | N | 15 | N | 20 | N |
| 83ST089 | 300 | N | 15 | N | 30 | N |
| 83ST090 | 300 | N | 20 | N | 30 | N |
| 83ST091 | 300 | N | 15 | N | 20 | N |
| 83ST092 | 300 | N | 20 | N | 30 | N |
| 83ST093 | 300 | N | 10 | N | 10 | N |
| 83ST094 | 500 | N | 15 | N | 20 | N |
| 83ST096 | 200 | N | 15 | N | 20 | N |
| 83ST097 | 300 | N | 20 | N | 30 | N |
| 83ST098 | 300 | N | 15 | N | 15 | N |
| 83ST099 | 300 | N | 15 | N | 20 | N |
| 84SJ001 | 300 | N | 20 | N | 100 | N |
| 84SJ002 | 300 | N | 20 | N | 70 | N |
| 84SJ003 | 500 | N | 20 | N | 30 | N |
| 84SJ004 | 500 | N | 15 | N | 30 | N |
| 84SJ005 | 300 | N | 20 | N | 30 | N |
| 84SJ006 | 300 | N | 20 | N | 30 | N |
| 84SJ007 | 300 | N | 20 | N | 30 | N |
| 84SJ008 | 500 | N | 20 | N | 30 | N |
| 84SJ009 | 300 | N | 20 | N | 30 | N |
| 84SJ010 | 300 | N | 20 | N | 30 | N |
| 84SJ011 | 300 | N | 20 | N | 30 | N |
| 84SJ012 | 300 | N | 20 | N | 30 | N |
| 84SJ013 | 300 | N | 20 | N | 30 | N |
| 84SJ014 | 300 | N | 20 | N | 30 | N |
| 84SJ015 | 300 | N | 20 | N | 50 | N |
| 84SJ016 | 300 | N | 15 | N | 15 | N |
| 84SJ017 | 70 | N | 15 | N | 30 | N |
| 84SJ018 | 500 | N | 20 | N | 30 | N |
| 84SJ019 | 70 | N | 20 | N | 30 | N |
| 84SJ020 | 150 | N | 20 | N | 70 | N |
| 84SJ021 | 200 | N | 20 | N | 30 | N |
| 84SJ022 | 100 | N | 20 | N | 30 | N |
| 84SJ023 | 150 | N | 20 | N | 50 | N |
| 84SJ024 | 150 | N | 20 | N | 30 | N |
| 84SJ025 | 300 | N | 20 | N | 50 | N |
| 84SJ026 | 200 | N | 20 | N | 50 | N |
| 84SJ027 | 500 | N | 20 | N | 30 | N |
| 84SJ028 | 200 | N | 30 | N | 70 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ029 | 18 20 20 | 64 40 23 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 10 | 100 | <1 |
| 84SJ030 | 18 20 33 | 64 40 26 | 5.0 | 1.00 | 1.00 | .50 | 1,500 | N | N | N | N | 70 | N |
| 84SJ031 | 18 20 43 | 64 40 27 | 5.0 | 1.00 | 1.50 | .50 | 1,500 | N | N | N | 15 | 100 | N |
| 84SJ032 | 18 20 17 | 64 42 49 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 10 | 200 | N |
| 84SJ033 | 18 20 3 | 64 42 31 | 5.0 | 2.00 | 2.00 | .50 | 1,500 | N | N | N | 10 | 200 | N |
| 84SJ034 | 18 19 44 | 64 42 14 | 3.0 | 2.00 | .70 | .50 | 1,000 | N | N | N | 15 | 70 | N |
| 84SJ035 | 18 19 19 | 64 42 5 | 3.0 | .70 | .70 | .70 | 1,000 | N | N | N | 15 | 150 | <1 |
| 84SJ036 | 18 19 10 | 64 42 23 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 10 | 30 | N |
| 84SJ037 | 18 19 3 | 64 42 45 | 5.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 10 | 100 | N |
| 84SJ038 | 18 19 15 | 64 43 9 | 2.0 | .70 | 2.00 | .30 | 1,000 | N | N | N | 10 | 150 | <1 |
| 84SJ039 | 18 19 46 | 64 43 4 | 2.0 | .70 | 1.00 | .30 | 700 | N | N | N | 20 | 100 | <1 |
| 84SJ040 | 18 19 50 | 64 43 5 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 200 | N |
| 84SJ041 | 18 19 49 | 64 43 11 | 3.0 | 1.50 | 1.00 | .30 | 1,000 | N | N | N | 15 | 300 | N |
| 84SJ042 | 18 19 39 | 64 43 20 | 1.5 | .50 | 1.00 | .30 | 700 | N | N | N | 20 | 150 | <1 |
| 84SJ043 | 18 19 32 | 64 43 18 | 1.0 | .50 | .70 | .30 | 1,000 | N | N | N | 15 | 100 | <1 |
| 84SJ044 | 18 19 24 | 64 44 4 | 1.5 | .50 | .70 | .30 | 500 | N | N | N | 20 | 100 | <1 |
| 84SJ045 | 18 19 24 | 64 43 50 | 2.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 20 | 150 | N |
| 84SJ046 | 18 19 26 | 64 43 44 | 1.0 | .70 | 1.00 | .20 | 1,000 | <.5 | N | N | 15 | 150 | N |
| 84SJ048 | 18 19 39 | 64 45 57 | 5.0 | 3.00 | 7.00 | .50 | 1,500 | N | N | N | 15 | 100 | N |
| 84SJ049 | 18 19 44 | 64 45 48 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | 10 | 100 | N |
| 84SJ050 | 18 19 35 | 64 45 30 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | <.5 | N | N | 20 | 100 | N |
| 84SJ051 | 18 19 29 | 64 45 27 | 2.0 | 1.00 | 1.00 | .30 | 700 | N | N | N | 20 | 300 | N |
| 84SJ053 | 18 20 27 | 64 45 32 | 5.0 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 10 | 150 | N |
| 84SJ054 | 18 20 29 | 64 45 34 | 5.0 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 20 | 150 | N |
| 84SJ055 | 18 20 19 | 64 45 36 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ056 | 18 20 21 | 64 45 41 | 5.0 | 1.50 | 7.00 | .30 | 1,000 | N | N | N | 15 | 100 | N |
| 84SJ057 | 18 20 7 | 64 45 42 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | 10 | 70 | N |
| 84SJ058 | 18 20 4 | 64 45 51 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 15 | 150 | <1 |
| 84SJ059 | 18 19 22 | 64 46 48 | 5.0 | 3.00 | 5.00 | .50 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ070 | 18 20 39 | 64 46 18 | 5.0 | 2.00 | 5.00 | .30 | 1,500 | N | N | N | 10 | 200 | N |
| 84SJ071 | 18 20 32 | 64 46 7 | 5.0 | 2.00 | 7.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ072 | 18 20 43 | 64 45 40 | 3.0 | 1.50 | 5.00 | .30 | 1,000 | N | N | N | <10 | 150 | N |
| 84SJ073 | 18 20 20 | 64 46 22 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 10 | 150 | N |
| 84SJ074 | 18 20 9 | 64 46 13 | 3.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 10 | 150 | N |
| 84SJ075 | 18 20 5 | 64 46 16 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 15 | 150 | N |
| 84SJ076 | 18 20 4 | 64 46 37 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 15 | 200 | N |
| 84SJ077 | 18 20 7 | 64 46 36 | 5.0 | 1.50 | 7.00 | .30 | 1,000 | N | N | N | 10 | 150 | N |
| 84SJ078 | 18 19 47 | 64 46 40 | 5.0 | 2.00 | 5.00 | .30 | 1,500 | N | N | N | 15 | 150 | N |
| 84SJ079 | 18 20 10 | 64 47 27 | 3.0 | 1.00 | 2.00 | .30 | 700 | N | N | N | 15 | 100 | <1 |
| 84SJ087 | 18 19 44 | 64 44 27 | 3.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 20 | 200 | <1 |
| 84SJ088 | 18 21 17 | 64 47 36 | 3.0 | 2.00 | 2.00 | .50 | 1,000 | N | N | N | N | 300 | <1 |
| 84SJ090 | 18 21 45 | 64 48 31 | 5.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 15 | 300 | <1 |
| 84SJ095 | 18 21 55 | 64 48 12 | 3.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 10 | 300 | <1 |
| 84SJ096 | 18 22 18 | 64 45 26 | 5.0 | 1.50 | 7.00 | .50 | 2,000 | N | N | N | 10 | 500 | <1 |
| 84SJ097 | 18 22 13 | 64 44 55 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | N | 500 | <1 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ029 | N | N | 10 | 30 | 150 | <20 | N | N | 10 | 10 | N | 15 | N | 150 |
| 84SJ030 | N | N | 10 | 50 | 50 | N | N | N | 15 | 10 | N | 15 | N | 150 |
| 84SJ031 | N | N | 10 | 50 | 70 | N | N | N | 15 | 15 | N | 20 | N | 150 |
| 84SJ032 | N | N | 10 | 20 | 30 | <20 | N | N | 15 | 20 | N | 15 | N | 150 |
| 84SJ033 | N | N | 10 | 30 | 150 | N | N | N | 15 | 10 | N | 20 | N | 200 |
| 84SJ034 | N | N | 10 | 50 | 70 | <20 | N | N | 15 | 10 | N | 20 | N | 100 |
| 84SJ035 | N | N | 7 | 20 | 150 | <20 | N | N | 10 | 10 | N | 20 | N | 150 |
| 84SJ036 | N | N | 10 | 50 | 70 | N | N | N | 20 | 20 | N | 30 | N | 150 |
| 84SJ037 | N | N | 10 | 70 | 30 | <20 | N | N | 20 | 15 | N | 30 | N | 200 |
| 84SJ038 | N | N | 5 | 15 | 20 | 20 | N | N | 10 | 15 | N | 20 | N | 200 |
| 84SJ039 | N | N | 7 | 30 | 15 | <20 | N | N | 7 | 15 | N | 15 | N | 150 |
| 84SJ040 | N | N | 10 | 50 | 20 | N | N | N | 15 | 15 | N | 20 | N | 150 |
| 84SJ041 | N | N | 10 | 30 | 50 | <20 | N | N | 15 | 20 | N | 30 | N | 150 |
| 84SJ042 | N | N | 7 | 20 | 30 | <20 | N | N | 15 | 20 | N | 15 | N | 150 |
| 84SJ043 | N | N | 7 | 10 | 20 | N | N | N | 10 | 10 | N | 10 | N | 100 |
| 84SJ044 | N | N | 7 | 50 | 15 | 20 | N | N | 15 | 10 | N | 15 | N | 150 |
| 84SJ045 | N | N | 7 | 70 | 30 | <20 | N | N | 10 | 15 | N | 20 | N | 200 |
| 84SJ046 | N | N | 5 | 20 | 20 | <20 | N | N | 7 | 15 | N | 10 | N | 200 |
| 84SJ048 | N | N | 15 | 50 | 50 | N | N | N | 15 | 15 | N | 30 | N | 300 |
| 84SJ049 | N | N | 15 | 70 | 70 | N | N | N | 15 | 10 | N | 30 | N | 300 |
| 84SJ050 | N | N | 15 | 50 | 50 | N | N | N | 15 | 15 | N | 30 | N | 300 |
| 84SJ051 | N | N | 7 | 15 | 150 | N | N | N | 10 | 30 | N | 15 | N | 150 |
| 84SJ053 | N | N | 20 | 70 | 70 | N | N | N | 15 | 20 | N | 50 | N | 500 |
| 84SJ054 | N | N | 20 | 100 | 70 | <20 | N | N | 20 | 30 | N | 50 | 15 | 500 |
| 84SJ055 | N | N | 15 | 30 | 70 | N | N | N | 15 | 15 | N | 30 | N | 300 |
| 84SJ056 | N | N | 15 | 70 | 70 | N | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SJ057 | N | N | 30 | 70 | 100 | N | N | N | 20 | 15 | N | 50 | N | 300 |
| 84SJ058 | N | N | 20 | 30 | 50 | 20 | N | N | 15 | 15 | N | 30 | N | 300 |
| 84SJ059 | N | N | 20 | 70 | 70 | N | N | N | 20 | 30 | N | 30 | N | 500 |
| 84SJ070 | N | N | 30 | 50 | 70 | N | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SJ071 | N | N | 15 | 100 | 50 | <20 | N | N | 20 | 20 | N | 30 | N | 500 |
| 84SJ072 | N | N | 15 | 50 | 50 | <20 | N | N | 15 | 30 | N | 30 | N | 500 |
| 84SJ073 | N | N | 20 | 50 | 70 | N | N | N | 20 | 50 | N | 30 | N | 500 |
| 84SJ074 | N | N | 10 | 70 | 50 | <20 | N | N | 15 | 15 | N | 30 | N | 500 |
| 84SJ075 | N | N | 15 | 30 | 50 | <20 | N | N | 20 | 30 | N | 20 | N | 300 |
| 84SJ076 | N | N | 20 | 50 | 70 | N | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SJ077 | N | N | 20 | 30 | 70 | N | N | N | 20 | 20 | N | 30 | N | 500 |
| 84SJ078 | N | N | 30 | 50 | 100 | N | N | N | 20 | 30 | N | 30 | N | 500 |
| 84SJ079 | N | N | 10 | 30 | 50 | <20 | N | N | 20 | 20 | N | 15 | N | 500 |
| 84SJ087 | N | N | 10 | 30 | 30 | N | N | N | 10 | 10 | N | 20 | N | 300 |
| 84SJ088 | N | N | 10 | 50 | 100 | N | N | N | 30 | 10 | N | 20 | N | 300 |
| 84SJ090 | N | N | 15 | 20 | 100 | N | N | N | 15 | 20 | N | 15 | N | 500 |
| 84SJ095 | N | N | 15 | 20 | 100 | <20 | N | N | 15 | 15 | N | 20 | N | 500 |
| 84SJ096 | N | N | 30 | 30 | 100 | N | N | N | 30 | 15 | N | 30 | N | 1,500 |
| 84SJ097 | N | N | 15 | 30 | 100 | N | N | N | 15 | 20 | N | 20 | N | 500 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ029 | 200 | N | 20 | N | 50 | N |
| 84SJ030 | 300 | N | 15 | N | 30 | N |
| 84SJ031 | 200 | N | 20 | N | 30 | N |
| 84SJ032 | 150 | N | 20 | N | 50 | N |
| 84SJ033 | 300 | N | 20 | N | 15 | N |
| 84SJ034 | 200 | N | 20 | N | 30 | N |
| 84SJ035 | 200 | N | 20 | N | 50 | N |
| 84SJ036 | 200 | N | 20 | N | 20 | N |
| 84SJ037 | 300 | N | 20 | N | 30 | N |
| 84SJ038 | 150 | N | 50 | N | 70 | N |
| 84SJ039 | 100 | N | 20 | N | 50 | N |
| 84SJ040 | 150 | N | 20 | N | 50 | N |
| 84SJ041 | 150 | N | 20 | N | 30 | N |
| 84SJ042 | 100 | N | 30 | N | 50 | N |
| 84SJ043 | 70 | N | 20 | N | 30 | N |
| 84SJ044 | 100 | N | 20 | N | 50 | N |
| 84SJ045 | 150 | N | 20 | N | 30 | N |
| 84SJ046 | 70 | N | 15 | N | 30 | N |
| 84SJ048 | 300 | N | 20 | N | 50 | N |
| 84SJ049 | 500 | N | 20 | N | 30 | N |
| 84SJ050 | 500 | N | 20 | N | 30 | N |
| 84SJ051 | 150 | N | 20 | 200 | 30 | N |
| 84SJ053 | 500 | N | 20 | N | 30 | N |
| 84SJ054 | 500 | N | 20 | N | 50 | N |
| 84SJ055 | 150 | N | 20 | N | 30 | N |
| 84SJ056 | 150 | N | 20 | N | 30 | N |
| 84SJ057 | 500 | N | 20 | N | 30 | N |
| 84SJ058 | 200 | N | 50 | N | 50 | N |
| 84SJ059 | 500 | N | 20 | N | 30 | N |
| 84SJ070 | 500 | N | 15 | N | 30 | N |
| 84SJ071 | 500 | N | 20 | N | 30 | N |
| 84SJ072 | 300 | N | 20 | N | 30 | N |
| 84SJ073 | 300 | N | 20 | N | 30 | N |
| 84SJ074 | 300 | N | 50 | N | 50 | N |
| 84SJ075 | 300 | N | 20 | N | 50 | N |
| 84SJ076 | 300 | N | 20 | N | 70 | N |
| 84SJ077 | 300 | N | 20 | N | 30 | N |
| 84SJ078 | 300 | N | 15 | N | 15 | N |
| 84SJ079 | 200 | N | 10 | N | 30 | N |
| 84SJ087 | 200 | N | 30 | N | 50 | N |
| 84SJ088 | 200 | N | 15 | N | 70 | N |
| 84SJ090 | 200 | N | 20 | N | 30 | N |
| 84SJ095 | 200 | N | 20 | N | 50 | N |
| 84SJ096 | 200 | N | 20 | N | 70 | N |
| 84SJ097 | 300 | N | 20 | N | 50 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ098 | 18 22 21 | 64 44 20 | 3.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 20 | 700 | <1 |
| 84SJ099 | 18 22 3 | 64 43 5 | 5.0 | 2.00 | 5.00 | .50 | 1,500 | N | N | N | N | 500 | N |
| 84SJ100 | 18 21 44 | 64 42 32 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 10 | 300 | N |
| 84SJ101 | 18 20 58 | 64 41 11 | 3.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | N | 30 | N |
| 84SJ102 | 18 20 49 | 64 41 27 | 5.0 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 10 | 70 | N |
| 84SJ103 | 18 20 18 | 64 40 6 | 3.0 | .70 | .70 | .30 | 700 | N | N | N | 20 | 100 | <1 |
| 84SJ104 | 18 20 44 | 64 40 10 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 10 | 100 | N |
| 84SJ105 | 18 21 48 | 64 41 43 | 5.0 | 1.50 | 2.00 | .50 | 1,000 | N | N | N | 10 | 70 | N |
| 84SJ106 | 18 18 59 | 64 43 15 | 3.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 20 | 50 | N |
| 84SJ107 | 18 18 40 | 64 42 36 | 3.0 | 1.50 | 3.00 | .50 | 700 | N | N | N | 20 | 150 | N |
| 84SJ108 | 18 18 22 | 64 42 13 | 3.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 20 | 50 | N |
| 84SJ110 | 18 19 43 | 64 39 5 | 2.0 | .30 | 1.50 | .50 | 1,000 | N | N | N | <10 | <20 | N |
| 84SJ200 | 18 20 46 | 64 44 59 | 3.0 | .70 | 3.00 | .20 | 1,000 | N | N | N | 10 | 150 | N |
| 84SJ201 | 18 20 47 | 64 44 56 | 2.0 | .50 | 1.00 | .30 | 700 | N | N | N | 15 | 100 | <1 |
| 84SJ202 | 18 20 40 | 64 44 52 | 1.5 | .30 | 1.00 | .20 | 700 | N | N | N | 15 | 70 | <1 |
| 84SJ203 | 18 20 35 | 64 44 59 | 5.0 | 1.50 | 5.00 | .30 | 1,000 | N | N | N | 15 | 100 | N |
| 84SJ205 | 18 20 22 | 64 44 48 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 30 | 150 | <1 |
| 84SJ206 | 18 20 14 | 64 44 52 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 10 | 100 | N |
| 84SJ207 | 18 19 38 | 64 44 56 | 5.0 | 1.50 | 3.00 | .30 | 1,500 | N | N | N | 20 | 30 | N |
| 84SC001 | 17 46 1 | 64 49 21 | 7.0 | 2.00 | 5.00 | 1.00 | 2,000 | N | N | N | N | 300 | N |
| 84SC002 | 17 46 17 | 64 48 37 | 5.0 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 20 | 500 | N |
| 84SC003 | 17 46 8 | 64 49 7 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | <10 | 300 | N |
| 84SC004 | 17 45 54 | 64 49 44 | 10.0 | 1.50 | 3.00 | 1.00 | 2,000 | N | N | N | N | 300 | N |
| 84SC005 | 17 45 46 | 64 50 1 | 5.0 | 2.00 | 7.00 | .70 | 1,500 | N | N | N | N | 300 | <1 |
| 84SC006 | 17 45 11 | 64 49 47 | 5.0 | 1.50 | 3.00 | .70 | 1,500 | N | N | N | 20 | 500 | N |
| 84SC007 | 17 45 18 | 64 49 39 | 3.0 | 1.00 | 3.00 | .70 | 1,500 | N | N | N | <10 | 700 | <1 |
| 84SC008 | 17 45 1 | 64 49 19 | 10.0 | 2.00 | 7.00 | >1.00 | 2,000 | N | N | N | N | 500 | N |
| 84SC009 | 17 46 2 | 64 45 49 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 30 | 500 | <1 |
| 84SC010 | 17 46 17 | 64 45 40 | 5.0 | 1.00 | 3.00 | .50 | 1,000 | N | N | N | 30 | 500 | <1 |
| 84SC012 | 17 46 39 | 64 46 10 | 5.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 30 | 300 | N |
| 84SC013 | 17 46 51 | 64 46 35 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 300 | <1 |
| 84SC014 | 17 46 23 | 64 47 30 | 3.0 | 1.00 | 3.00 | .30 | 1,500 | N | N | N | 20 | 300 | <1 |
| 84SC015 | 17 46 27 | 64 47 22 | 5.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 10 | 500 | <1 |
| 84SC016 | 17 46 33 | 64 47 20 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 20 | 300 | <1 |
| 84SC017 | 17 46 34 | 64 48 7 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 15 | 150 | <1 |
| 84SC018 | 17 46 39 | 64 47 39 | 5.0 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 10 | 300 | <1 |
| 84SC019 | 17 45 39 | 64 46 22 | 3.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 20 | 300 | <1 |
| 84SC020 | 17 45 40 | 64 46 55 | 3.0 | .70 | 3.00 | .50 | 1,000 | N | N | N | 20 | 200 | N |
| 84SC021 | 17 45 38 | 64 46 59 | 3.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | 20 | 300 | N |
| 84SC022 | 17 45 37 | 64 47 42 | 7.0 | 1.00 | 3.00 | .50 | 1,500 | N | N | N | 30 | 500 | N |
| 84SC023 | 17 45 50 | 64 47 57 | 7.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 10 | 500 | <1 |
| 84SC024 | 17 44 48 | 64 48 54 | 7.0 | 3.00 | 7.00 | .50 | 2,000 | N | N | N | 10 | 500 | <1 |
| 84SC025 | 17 45 54 | 64 46 7 | 7.0 | 1.50 | 2.00 | .70 | 2,000 | N | N | N | 20 | 500 | <1 |
| 84SC026 | 17 44 1 | 64 48 55 | 5.0 | 1.00 | 3.00 | .50 | 2,000 | N | N | N | 20 | 700 | N |
| 84SC028 | 17 44 59 | 64 47 37 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 20 | 500 | <1 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ098 | N | N | 10 | 20 | 100 | N | N | N | 10 | 20 | N | 20 | N | 500 |
| 84SJ099 | N | N | 20 | 50 | 100 | <20 | N | N | 20 | 20 | N | 20 | N | 500 |
| 84SJ100 | N | N | 10 | 30 | 70 | <20 | N | N | 15 | 50 | N | 20 | 70 | 200 |
| 84SJ101 | N | N | 7 | 100 | 30 | N | N | N | 20 | <10 | N | 30 | N | 150 |
| 84SJ102 | N | N | 15 | 100 | 70 | N | N | N | 30 | 30 | N | 30 | N | 150 |
| 84SJ103 | N | N | 7 | 20 | 30 | N | N | N | 10 | 10 | N | 10 | N | 150 |
| 84SJ104 | N | N | 7 | 50 | 30 | N | N | N | 10 | 10 | N | 15 | N | 150 |
| 84SJ105 | N | N | 10 | 50 | 30 | N | N | N | 15 | 10 | N | 20 | N | 150 |
| 84SJ106 | N | N | 15 | 30 | 50 | N | N | N | 20 | 10 | N | 20 | N | 200 |
| 84SJ107 | N | N | 10 | 30 | 50 | N | N | N | 20 | 10 | N | 30 | N | 300 |
| 84SJ108 | N | N | 10 | 70 | 50 | <20 | N | N | 20 | 10 | N | 30 | N | 200 |
| 84SJ110 | N | N | 5 | <10 | 10 | N | N | N | <5 | <10 | N | 15 | N | 150 |
| 84SJ200 | N | N | 10 | 50 | 100 | <20 | N | N | 10 | 30 | N | 20 | N | 300 |
| 84SJ201 | N | N | 7 | 15 | 15 | N | N | N | 10 | 10 | N | 15 | N | 150 |
| 84SJ202 | N | N | 5 | N | 15 | <20 | N | N | 5 | 10 | N | 10 | N | 150 |
| 84SJ203 | N | N | 10 | 50 | 70 | <20 | N | N | 15 | 15 | N | 30 | N | 500 |
| 84SJ205 | N | N | 7 | 30 | 30 | <20 | N | N | 15 | 15 | N | 15 | N | 200 |
| 84SJ206 | N | N | 7 | 20 | 30 | N | N | N | 10 | 10 | N | 15 | N | 200 |
| 84SJ207 | N | N | 10 | 30 | 50 | <20 | N | N | 15 | 10 | N | 20 | N | 200 |
| 84SC001 | N | N | 30 | 50 | 150 | 30 | N | N | 30 | 10 | N | 20 | N | 700 |
| 84SC002 | N | N | 50 | 70 | 100 | <20 | N | N | 30 | 15 | N | 30 | N | 500 |
| 84SC003 | N | N | 20 | 50 | 100 | <20 | N | N | 20 | 10 | N | 30 | N | 500 |
| 84SC004 | N | N | 15 | 30 | 100 | N | N | N | 7 | <10 | N | 20 | N | 500 |
| 84SC005 | N | N | 15 | 20 | 70 | 30 | N | N | 5 | 10 | N | 20 | N | 700 |
| 84SC006 | N | N | 20 | 50 | 70 | <20 | N | N | 20 | 20 | N | 30 | N | 500 |
| 84SC007 | N | N | 15 | 20 | 70 | 20 | N | N | 10 | 15 | N | 15 | N | 1,000 |
| 84SC008 | N | N | 70 | 200 | 100 | <20 | N | N | 70 | 15 | N | 30 | N | 700 |
| 84SC009 | N | N | 20 | 50 | 100 | <20 | N | N | 15 | 20 | N | 15 | N | 300 |
| 84SC010 | N | N | 20 | 50 | 100 | N | N | N | 15 | 10 | N | 15 | N | 300 |
| 84SC012 | N | N | 20 | 50 | 70 | N | N | N | 15 | 15 | N | 20 | N | 300 |
| 84SC013 | N | N | 15 | 70 | 70 | <20 | N | N | 15 | N | N | 20 | N | 300 |
| 84SC014 | N | N | 20 | 100 | 70 | <20 | N | N | 20 | 15 | N | 20 | N | 300 |
| 84SC015 | N | N | 20 | 70 | 70 | 20 | N | N | 20 | 15 | N | 20 | N | 500 |
| 84SC016 | N | N | 20 | 70 | 70 | <20 | N | N | 20 | 20 | N | 20 | N | 500 |
| 84SC017 | N | N | 15 | 70 | 70 | <20 | N | N | 15 | 15 | N | 20 | N | 500 |
| 84SC018 | N | N | 20 | 70 | 100 | <20 | N | N | 20 | 20 | N | 30 | N | 700 |
| 84SC019 | N | N | 20 | 100 | 100 | 20 | N | N | 20 | 20 | N | 15 | N | 300 |
| 84SC020 | N | N | 10 | 100 | 70 | <20 | N | N | 20 | 10 | N | 15 | N | 300 |
| 84SC021 | N | N | 10 | 50 | 70 | <20 | N | N | 20 | 10 | N | 15 | N | 300 |
| 84SC022 | N | N | 20 | 30 | 150 | <20 | N | N | 15 | 20 | N | 30 | N | 300 |
| 84SC023 | N | N | 15 | 100 | 100 | N | N | N | 20 | 15 | N | 20 | N | 300 |
| 84SC024 | N | N | 20 | 200 | 100 | N | N | N | 30 | <10 | N | 20 | N | 500 |
| 84SC025 | N | N | 30 | 50 | 150 | N | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SC026 | N | N | 20 | 50 | 100 | N | N | N | 15 | 20 | N | 20 | N | 300 |
| 84SC028 | N | N | 10 | 20 | 70 | N | N | N | 10 | <10 | N | 15 | N | 300 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ098 | 200 | N | 15 | N | 50 | N |
| 84SJ099 | 300 | N | 20 | N | 50 | N |
| 84SJ100 | 200 | N | 20 | N | 30 | N |
| 84SJ101 | 200 | N | 20 | N | 30 | N |
| 84SJ102 | 300 | N | 20 | N | 30 | N |
| 84SJ103 | 100 | N | 20 | N | 50 | N |
| 84SJ104 | 150 | N | 20 | N | 50 | N |
| 84SJ105 | 300 | N | 15 | N | 30 | N |
| 84SJ106 | 200 | N | 15 | N | 20 | N |
| 84SJ107 | 200 | N | 20 | N | 30 | N |
| 84SJ108 | 200 | N | 20 | N | 20 | N |
| 84SJ110 | 150 | N | 20 | N | 30 | N |
| 84SJ200 | 200 | N | 20 | N | 20 | N |
| 84SJ201 | 100 | N | 20 | N | 30 | N |
| 84SJ202 | 70 | N | 15 | N | 20 | N |
| 84SJ203 | 300 | N | 20 | N | 30 | N |
| 84SJ205 | 150 | N | 50 | N | 50 | N |
| 84SJ206 | 150 | N | 20 | N | 30 | N |
| 84SJ207 | 300 | N | 20 | N | 30 | N |
| 84SC001 | 300 | N | 30 | N | 30 | N |
| 84SC002 | 200 | N | 20 | N | 50 | N |
| 84SC003 | 300 | N | 15 | N | 30 | N |
| 84SC004 | 500 | N | 10 | N | 20 | N |
| 84SC005 | 200 | N | 50 | N | 20 | N |
| 84SC006 | 300 | N | 15 | N | 30 | N |
| 84SC007 | 200 | N | 20 | N | 10 | N |
| 84SC008 | 700 | N | 20 | <200 | N | N |
| 84SC009 | 150 | N | 15 | N | 30 | N |
| 84SC010 | 300 | N | 15 | N | 30 | N |
| 84SC012 | 300 | N | 20 | N | 30 | N |
| 84SC013 | 200 | N | 20 | N | 30 | N |
| 84SC014 | 200 | N | 20 | N | 30 | N |
| 84SC015 | 200 | N | 20 | N | 30 | N |
| 84SC016 | 300 | N | 20 | N | 50 | N |
| 84SC017 | 200 | N | 20 | N | 30 | N |
| 84SC018 | 300 | N | 20 | N | 50 | N |
| 84SC019 | 150 | N | 15 | N | 30 | N |
| 84SC020 | 200 | N | 15 | N | 30 | N |
| 84SC021 | 150 | N | 15 | N | 30 | N |
| 84SC022 | 300 | N | 15 | N | 30 | N |
| 84SC023 | 300 | N | 20 | N | 50 | N |
| 84SC024 | 300 | N | <10 | N | 20 | N |
| 84SC025 | 300 | N | 20 | N | 70 | N |
| 84SC026 | 300 | N | 15 | N | 70 | N |
| 84SC028 | 150 | N | 15 | N | 30 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC029 | 17 45 16 | 64 47 16 | 7.0 | 1.50 | 5.00 | .50 | 1,500 | N | N | N | 30 | 500 | <1 |
| 84SC029 | 17 44 17 | 64 48 26 | 7.0 | 1.50 | 5.00 | .50 | 1,500 | N | N | N | 30 | 500 | <1 |
| 84SC030 | 17 44 23 | 64 49 0 | 7.0 | 1.50 | 3.00 | .50 | 2,000 | N | N | N | 20 | 500 | N |
| 84SC031 | 17 44 50 | 64 48 35 | 5.0 | 1.50 | 3.00 | .50 | 1,500 | N | N | N | 10 | 300 | N |
| 84SC033 | 17 45 10 | 64 48 37 | 7.0 | 2.00 | 5.00 | .70 | 2,000 | N | N | N | 10 | 700 | <1 |
| 84SC040 | 17 45 47 | 64 52 20 | 3.0 | .70 | 3.00 | .30 | 1,000 | N | N | N | 15 | 500 | <1 |
| 84SC041 | 17 45 46 | 64 52 23 | 3.0 | .70 | 10.00 | .30 | 1,000 | N | N | N | 15 | 300 | <1 |
| 84SC042 | 17 46 14 | 64 52 28 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 20 | 500 | <1 |
| 84SC043 | 17 45 50 | 64 53 4 | 3.0 | 1.50 | 1.00 | .30 | 1,000 | N | N | N | 30 | 700 | 1 |
| 84SC044 | 17 45 2 | 64 53 28 | 3.0 | .70 | 1.00 | .50 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC045 | 17 44 28 | 64 53 2 | 3.0 | 1.00 | .70 | .30 | 1,500 | <.5 | N | N | 70 | 1,000 | <1 |
| 84SC046 | 17 44 49 | 64 52 36 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 50 | 500 | <1 |
| 84SC047 | 17 44 53 | 64 52 6 | 5.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 30 | 500 | N |
| 84SC048 | 17 45 0 | 64 52 8 | 5.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 50 | 1,000 | <1 |
| 84SC049 | 17 45 3 | 64 51 42 | 5.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | 20 | 150 | N |
| 84SC050 | 17 45 0 | 64 51 43 | 3.0 | .70 | 2.00 | .30 | 1,000 | N | N | N | 20 | 200 | N |
| 84SC051 | 17 43 47 | 64 52 38 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 50 | 700 | <1 |
| 84SC052 | 17 43 50 | 64 51 59 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 50 | 700 | <1 |
| 84SC053 | 17 43 53 | 64 51 51 | 5.0 | 1.00 | 3.00 | .50 | 1,500 | N | N | N | 20 | 200 | <1 |
| 84SC054 | 17 44 21 | 64 51 41 | 5.0 | .70 | 1.00 | .30 | 1,000 | <.5 | N | N | 70 | 500 | <1 |
| 84SC055 | 17 44 24 | 64 51 38 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 30 | 150 | <1 |
| 84SC056 | 17 44 29 | 64 51 40 | 5.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 30 | 150 | <1 |
| 84SC057 | 17 44 5 | 64 51 24 | 5.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 70 | 500 | <1 |
| 84SC058 | 17 44 26 | 64 51 12 | 5.0 | 1.00 | 5.00 | .30 | 1,000 | N | N | N | 20 | 200 | <1 |
| 84SC059 | 17 44 32 | 64 50 53 | 5.0 | 1.00 | 5.00 | .50 | 1,000 | N | N | N | 15 | 200 | N |
| 84SC060 | 17 44 21 | 64 50 19 | 5.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 15 | 300 | N |
| 84SC061 | 17 44 7 | 64 50 2 | 3.0 | .70 | 3.00 | .30 | 1,000 | N | N | N | 20 | 200 | N |
| 84SC062 | 17 44 3 | 64 49 38 | 5.0 | 1.00 | 5.00 | .30 | 1,500 | N | N | N | 20 | 300 | N |
| 84SC063 | 17 43 26 | 64 52 0 | 5.0 | 1.00 | 3.00 | .50 | 1,000 | N | N | N | 50 | 500 | N |
| 84SC064 | 17 42 43 | 64 52 0 | 3.0 | .70 | 1.00 | .30 | 1,000 | N | N | N | 30 | 500 | <1 |
| 84SC065 | 17 42 55 | 64 51 38 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 500 | <1 |
| 84SC066 | 17 42 51 | 64 51 4 | 5.0 | 1.00 | 2.00 | .50 | 1,500 | N | N | N | 30 | 500 | <1 |
| 84SC067 | 17 43 4 | 64 51 12 | 3.0 | 1.00 | 10.00 | .30 | 1,000 | N | N | N | 50 | 500 | <1 |
| 84SC068 | 17 43 4 | 64 50 40 | 5.0 | 1.00 | 3.00 | .70 | 1,000 | N | N | N | 30 | 500 | N |
| 84SC069 | 17 43 6 | 64 49 58 | 5.0 | 1.00 | 3.00 | .50 | 1,500 | N | N | N | 50 | 300 | N |
| 84SC070 | 17 43 55 | 64 49 21 | 5.0 | 1.00 | 5.00 | .50 | 1,500 | N | N | N | 20 | 500 | <1 |
| 84SC071 | 17 45 34 | 64 45 50 | 2.0 | .70 | 10.00 | .20 | 700 | N | N | N | 30 | 500 | <1 |
| 84SC072 | 17 46 6 | 64 45 24 | 3.0 | 1.00 | 15.00 | .30 | 700 | N | N | N | 30 | 500 | <1 |
| 84SC086 | 17 44 52 | 64 45 14 | 3.0 | .70 | 15.00 | .15 | 700 | N | N | N | 50 | 200 | <1 |
| 84SC098 | 17 45 9 | 64 44 30 | 3.0 | .70 | 15.00 | .20 | 700 | N | N | N | 50 | 200 | <1 |
| 84SC099 | 17 45 15 | 64 44 39 | 2.0 | 1.00 | 20.00 | .15 | 300 | N | N | N | 10 | 150 | <1 |
| 84SC154 | 17 47 26 | 64 37 32 | 2.0 | .50 | 1.50 | .30 | 1,000 | N | N | N | 70 | 700 | 1 |
| 84SC200 | 17 45 20 | 64 34 6 | 2.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 30 | 500 | <1 |
| 84SC201 | 17 45 31 | 64 34 22 | 3.0 | .70 | 1.00 | .20 | 700 | N | N | N | 50 | 700 | 1 |
| 84SC202 | 17 45 36 | 64 34 31 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 100 | 700 | <1 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC029 | N | N | 30 | 100 | 100 | N | N | N | 30 | 20 | N | 30 | N | 500 |
| 84SC029 | N | N | 30 | 100 | 100 | N | N | N | 30 | 20 | N | 30 | N | 500 |
| 84SC030 | N | N | 20 | 70 | 100 | N | N | N | 20 | 70 | N | 30 | N | 500 |
| 84SC031 | N | N | 30 | 100 | 100 | <20 | N | N | 30 | 15 | N | 30 | N | 500 |
| 84SC033 | N | N | 30 | 100 | 150 | <20 | N | N | 50 | 20 | N | 20 | N | 500 |
| 84SC040 | N | N | 15 | 30 | 70 | N | N | N | 15 | 20 | N | 20 | N | 500 |
| 84SC041 | N | N | 10 | 50 | 50 | <20 | N | N | 20 | 15 | N | 15 | N | 500 |
| 84SC042 | N | N | 15 | 100 | 50 | <20 | N | N | 50 | 30 | N | 15 | N | 300 |
| 84SC043 | N | N | 30 | 200 | 100 | <20 | N | N | 200 | 15 | N | 10 | N | 300 |
| 84SC044 | N | N | 10 | 70 | 100 | 20 | N | N | 50 | 20 | N | 10 | N | 300 |
| 84SC045 | N | N | 10 | 100 | 100 | 20 | N | N | 150 | 50 | N | 15 | N | 300 |
| 84SC046 | N | N | 10 | 100 | 100 | <20 | N | N | 20 | 20 | N | 15 | N | 300 |
| 84SC047 | N | N | 15 | 50 | 100 | <20 | N | N | 20 | 20 | N | 20 | N | 500 |
| 84SC048 | N | N | 15 | 100 | 100 | N | N | N | 50 | 50 | N | 15 | N | 300 |
| 84SC049 | N | N | 10 | 70 | 70 | <20 | N | N | 10 | 15 | N | 20 | N | 500 |
| 84SC050 | N | N | 10 | 30 | 50 | <20 | N | N | 10 | 15 | N | 20 | N | 500 |
| 84SC051 | N | N | 15 | 70 | 100 | <20 | N | N | 20 | 15 | N | 15 | N | 500 |
| 84SC052 | N | N | 15 | 70 | 100 | <20 | N | N | 30 | 15 | N | 15 | N | 500 |
| 84SC053 | N | N | 15 | 30 | 70 | N | N | N | 15 | 15 | N | 20 | N | 500 |
| 84SC054 | N | N | 20 | 100 | 100 | 20 | N | N | 30 | 20 | N | 20 | N | 300 |
| 84SC055 | N | N | 10 | 30 | 70 | 20 | N | N | 10 | 20 | N | 15 | N | 300 |
| 84SC056 | N | N | 15 | 50 | 100 | N | N | N | 20 | 20 | N | 20 | N | 500 |
| 84SC057 | N | N | 20 | 100 | 100 | <20 | N | N | 30 | 20 | N | 15 | N | 500 |
| 84SC058 | N | N | 20 | 50 | 50 | <20 | N | N | 15 | 20 | N | 20 | N | 500 |
| 84SC059 | N | N | 15 | 50 | 30 | <20 | N | N | 15 | 15 | N | 30 | N | 700 |
| 84SC060 | N | N | 15 | 70 | 50 | <20 | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SC061 | N | N | 20 | 70 | 50 | N | N | N | 15 | 10 | N | 30 | N | 500 |
| 84SC062 | N | N | 20 | 20 | 50 | <20 | N | N | 15 | 20 | N | 20 | N | 500 |
| 84SC063 | N | N | 20 | 20 | 100 | <20 | N | N | 20 | 15 | N | 30 | N | 500 |
| 84SC064 | N | N | 10 | 20 | 70 | 20 | N | N | 15 | 20 | N | 7 | N | 300 |
| 84SC065 | N | N | 20 | 20 | 70 | <20 | N | N | 15 | 15 | N | 20 | N | 300 |
| 84SC066 | N | N | 15 | 30 | 70 | <20 | N | N | 20 | 30 | N | 15 | N | 300 |
| 84SC067 | N | N | 10 | 50 | 50 | <20 | N | N | 15 | 15 | N | 10 | N | 300 |
| 84SC068 | N | N | 15 | 50 | 70 | N | N | N | 20 | 70 | N | 20 | 20 | 500 |
| 84SC069 | N | N | 15 | 20 | 70 | N | N | N | 15 | 20 | N | 20 | N | 700 |
| 84SC070 | N | N | 15 | 30 | 100 | <20 | N | N | 20 | 50 | N | 20 | 15 | 500 |
| 84SC071 | N | N | 10 | 30 | 50 | <20 | N | N | 20 | 100 | N | 7 | N | 500 |
| 84SC072 | N | N | 15 | 100 | 70 | <20 | N | N | 20 | 20 | N | 10 | N | 500 |
| 84SC086 | N | N | <5 | 70 | 30 | <20 | N | N | 20 | 70 | N | 7 | N | 300 |
| 84SC098 | N | N | 5 | 70 | 30 | <20 | N | N | 20 | 10 | N | 7 | N | 300 |
| 84SC099 | N | N | N | 70 | 20 | <20 | N | N | 15 | N | N | 5 | N | 300 |
| 84SC154 | N | N | 7 | 70 | 50 | 20 | N | N | 50 | <10 | N | 7 | N | 200 |
| 84SC200 | N | N | 10 | 50 | 50 | 20 | N | N | 30 | 10 | N | 10 | N | 500 |
| 84SC201 | N | N | 10 | 70 | 70 | 20 | N | N | 70 | 10 | N | 7 | N | 300 |
| 84SC202 | N | N | 15 | 100 | 70 | <20 | N | N | 70 | 10 | N | 15 | N | 300 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC029 | 300 | N | 20 | N | 70 | N |
| 84SC029 | 300 | N | 20 | N | 70 | N |
| 84SC030 | 300 | N | 20 | N | 50 | N |
| 84SC031 | 300 | N | 15 | N | 30 | N |
| 84SC033 | 300 | N | 20 | N | 50 | N |
| 84SC040 | 200 | N | 15 | N | 30 | N |
| 84SC041 | 150 | N | 15 | N | 30 | N |
| 84SC042 | 150 | N | 20 | N | 50 | N |
| 84SC043 | 150 | N | 20 | N | 50 | N |
| 84SC044 | 150 | N | 10 | N | 30 | N |
| 84SC045 | 150 | N | 15 | N | 50 | N |
| 84SC046 | 150 | N | 15 | N | 50 | N |
| 84SC047 | 200 | N | 20 | N | 30 | N |
| 84SC048 | 200 | N | 20 | N | 30 | N |
| 84SC049 | 300 | N | 20 | N | 30 | N |
| 84SC050 | 200 | N | 15 | N | 30 | N |
| 84SC051 | 200 | N | 20 | N | 50 | N |
| 84SC052 | 200 | N | 20 | N | 50 | N |
| 84SC053 | 300 | N | 20 | N | 30 | N |
| 84SC054 | 150 | N | 20 | N | 30 | N |
| 84SC055 | 150 | N | 10 | N | 20 | N |
| 84SC056 | 200 | N | 15 | N | 30 | N |
| 84SC057 | 200 | N | 20 | N | 30 | N |
| 84SC058 | 300 | N | 20 | N | 30 | N |
| 84SC059 | 300 | N | 20 | N | 30 | N |
| 84SC060 | 200 | N | 20 | N | 30 | N |
| 84SC061 | 200 | N | 15 | N | 30 | N |
| 84SC062 | 200 | N | 20 | N | 30 | N |
| 84SC063 | 300 | N | 20 | N | 30 | N |
| 84SC064 | 150 | N | 15 | N | 30 | N |
| 84SC065 | 200 | N | 20 | N | 50 | N |
| 84SC066 | 300 | N | 20 | N | 50 | N |
| 84SC067 | 150 | N | 15 | N | 30 | N |
| 84SC068 | 300 | N | 15 | N | 30 | N |
| 84SC069 | 200 | N | 20 | N | 30 | N |
| 84SC070 | 300 | N | 20 | N | 30 | N |
| 84SC071 | 100 | N | 15 | N | 20 | N |
| 84SC072 | 150 | N | 15 | N | 30 | N |
| 84SC086 | 70 | N | 15 | N | 20 | N |
| 84SC098 | 70 | N | 15 | N | 30 | N |
| 84SC099 | 50 | N | 10 | N | 20 | N |
| 84SC154 | 100 | N | 10 | N | 30 | N |
| 84SC200 | 150 | N | 20 | N | 30 | N |
| 84SC201 | 70 | N | 20 | N | 30 | N |
| 84SC202 | 150 | N | 20 | N | 30 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC203 | 17 45 34 | 64 34 39 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 200 | 300 | <1 |
| 84SC204 | 17 45 38 | 64 34 48 | 3.0 | 1.50 | 7.00 | .20 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC205 | 17 45 18 | 64 35 1 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 70 | 700 | <1 |
| 84SC206 | 17 45 13 | 64 35 33 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 30 | 300 | <1 |
| 84SC207 | 17 44 48 | 64 36 25 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 50 | 500 | <1 |
| 84SC208 | 17 45 12 | 64 34 20 | 3.0 | 1.50 | 1.00 | .30 | 1,500 | N | N | N | 150 | 700 | <1 |
| 84SC209 | 17 45 0 | 64 34 35 | 2.0 | .50 | 1.50 | .30 | 1,000 | N | N | N | 70 | 500 | <1 |
| 84SC210 | 17 45 1 | 64 34 53 | 3.0 | 1.50 | .50 | .30 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC212 | 17 44 36 | 64 36 37 | 3.0 | 1.50 | 1.50 | .30 | 1,500 | N | N | N | 30 | 700 | <1 |
| 84SC213 | 17 44 17 | 64 37 7 | 3.0 | .70 | .30 | .30 | 700 | N | N | N | 70 | 700 | <1 |
| 84SC214 | 17 44 6 | 64 37 24 | 3.0 | 1.50 | .70 | .30 | 1,000 | N | N | N | 70 | 700 | <1 |
| 84SC215 | 17 44 1 | 64 37 38 | 3.0 | 1.00 | 2.00 | .30 | 1,000 | N | N | N | 50 | 300 | N |
| 84SC216 | 17 45 41 | 64 39 12 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC218 | 17 45 1 | 64 38 17 | 5.0 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 30 | 700 | N |
| 84SC219 | 17 45 24 | 64 37 38 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC220 | 17 45 5 | 64 37 40 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC221 | 17 44 56 | 64 37 33 | 3.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC222 | 17 44 57 | 64 37 15 | 3.0 | .70 | .70 | .30 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC223 | 17 44 57 | 64 36 46 | 3.0 | .70 | .70 | .30 | 1,500 | N | N | N | 70 | 500 | 1 |
| 84SC224 | 17 45 14 | 64 36 23 | 3.0 | .50 | .70 | .30 | 1,500 | N | N | N | 50 | 500 | <1 |
| 84SC225 | 17 44 33 | 64 38 59 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | 50 | 500 | <1 |
| 84SC226 | 17 44 13 | 64 38 39 | 5.0 | 1.50 | 1.00 | .50 | 1,500 | N | N | N | 70 | 700 | <1 |
| 84SC227 | 17 44 20 | 64 36 56 | 3.0 | 1.50 | 1.00 | .30 | 1,000 | N | N | N | 70 | 700 | <1 |
| 84SC229 | 17 44 10 | 64 38 0 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC231 | 17 44 12 | 64 39 3 | 5.0 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC233 | 17 44 50 | 64 38 53 | 3.0 | .70 | 1.50 | .30 | 1,500 | N | N | N | 30 | 700 | <1 |
| 84SC234 | 17 44 48 | 64 38 51 | 3.0 | 1.00 | 1.50 | .30 | 1,000 | N | N | N | 50 | 700 | <1 |
| 84SC235 | 17 45 3 | 64 39 3 | 3.0 | 1.50 | 2.00 | .30 | 1,000 | N | N | N | 20 | 700 | <1 |
| 84SC236 | 17 45 6 | 64 40 4 | 5.0 | 3.00 | 2.00 | .30 | 1,500 | N | N | N | <10 | 700 | <1 |
| 84SC239 | 17 43 59 | 64 41 30 | 5.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 50 | 1,000 | <1 |
| 84SC240 | 17 44 5 | 64 41 17 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 70 | 1,000 | <1 |
| 84SC240 | 17 44 5 | 64 41 19 | 3.0 | 1.00 | 1.50 | .30 | 1,500 | N | N | N | 70 | 1,000 | <1 |
| 84SC241 | 17 43 10 | 64 41 27 | 5.0 | 1.00 | 2.00 | 1.00 | 1,000 | N | N | N | 30 | 1,000 | <1 |
| 84SC242 | 17 43 13 | 64 40 42 | 3.0 | 1.50 | 1.00 | .50 | 1,000 | N | N | N | 30 | 1,000 | <1 |
| 84SC243 | 17 43 22 | 64 41 42 | 3.0 | .70 | .70 | .30 | 1,500 | N | N | N | 50 | 500 | 1 |
| 84SC244 | 17 43 8 | 64 41 14 | 3.0 | 1.00 | 1.00 | .30 | 1,500 | N | N | N | 70 | 700 | <1 |
| 84SC245 | 17 43 46 | 64 40 10 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC246 | 17 44 37 | 64 40 29 | 3.0 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 30 | 1,000 | <1 |
| 84SC247 | 17 44 30 | 64 40 53 | 3.0 | 1.00 | 2.00 | .50 | 1,000 | N | N | N | 20 | 1,000 | <1 |
| 84SC248 | 17 44 34 | 64 40 47 | 3.0 | 1.00 | 1.00 | .30 | 1,000 | N | N | N | 30 | 1,000 | <1 |
| 84SC249 | 17 45 31 | 64 40 19 | 3.0 | 2.00 | 1.50 | .30 | 1,000 | N | N | N | 15 | 1,000 | <1 |
| 84SC250 | 17 44 47 | 64 41 22 | 3.0 | .70 | 2.00 | .50 | 1,000 | N | N | N | 20 | 1,000 | <1 |
| 84SC251 | 17 44 26 | 64 41 39 | 3.0 | 1.50 | 3.00 | .30 | 1,500 | N | N | N | 70 | 1,000 | <1 |
| 84SC252 | 17 44 28 | 64 41 47 | 3.0 | 1.50 | 2.00 | .30 | 1,500 | N | N | N | 30 | 1,000 | <1 |
| 84SC253 | 17 44 43 | 64 42 2 | 3.0 | .70 | 2.00 | .30 | 1,500 | N | N | N | 15 | 1,000 | <1 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC203 | N | N | 10 | 50 | 70 | <20 | N | N | 50 | <10 | N | 10 | N | 300 |
| 84SC204 | N | N | 10 | 150 | 70 | <20 | N | N | 70 | 10 | N | 7 | N | 300 |
| 84SC205 | N | N | 15 | 100 | 70 | 20 | N | N | 70 | 10 | N | 10 | N | 300 |
| 84SC206 | N | N | 10 | 50 | 50 | <20 | N | N | 20 | <10 | N | 15 | N | 300 |
| 84SC207 | N | N | 15 | 70 | 70 | 20 | N | N | 70 | <10 | N | 10 | N | 200 |
| 84SC208 | N | N | 15 | 100 | 50 | <20 | N | N | 50 | <10 | N | 10 | N | 300 |
| 84SC209 | N | N | 10 | 70 | 30 | 20 | N | N | 30 | <10 | N | 7 | N | 500 |
| 84SC210 | N | N | 15 | 100 | 70 | <20 | N | N | 30 | 10 | N | 10 | N | 300 |
| 84SC212 | N | N | 15 | 100 | 70 | <20 | N | N | 50 | 15 | N | 10 | N | 300 |
| 84SC213 | N | N | 10 | 70 | 70 | 20 | N | N | 30 | <10 | N | 10 | N | 300 |
| 84SC214 | N | N | 15 | 70 | 100 | <20 | N | N | 30 | 15 | N | 15 | N | 300 |
| 84SC215 | N | N | 10 | 30 | 70 | <20 | N | N | 15 | 10 | N | 15 | N | 500 |
| 84SC216 | N | N | 10 | 150 | 70 | 20 | N | N | 150 | 20 | N | 7 | N | 500 |
| 84SC218 | N | N | 20 | 100 | 70 | <20 | N | N | 50 | 10 | N | 15 | N | 500 |
| 84SC219 | N | N | 15 | 100 | 70 | <20 | N | N | 100 | 15 | N | 10 | N | 300 |
| 84SC220 | N | N | 15 | 100 | 70 | 20 | N | N | 50 | 10 | N | 10 | N | 500 |
| 84SC221 | N | N | 15 | 100 | 70 | 20 | N | N | 100 | 10 | N | 15 | N | 500 |
| 84SC222 | N | N | 10 | 70 | 70 | 20 | N | N | 70 | 10 | N | 10 | N | 300 |
| 84SC223 | N | N | 15 | 150 | 70 | <20 | N | N | 100 | 10 | N | 10 | N | 200 |
| 84SC224 | N | N | 15 | 70 | 50 | <20 | N | N | 70 | 10 | N | 10 | N | 150 |
| 84SC225 | N | N | 15 | 70 | 100 | <20 | N | N | 50 | 10 | N | 10 | N | 300 |
| 84SC226 | N | N | 15 | 70 | 100 | <20 | N | N | 70 | 10 | N | 20 | N | 300 |
| 84SC227 | N | N | 10 | 70 | 100 | <20 | N | N | 50 | 10 | N | 15 | N | 300 |
| 84SC229 | N | N | 15 | 150 | 70 | <20 | N | N | 50 | <10 | N | 15 | N | 300 |
| 84SC231 | N | N | 15 | 150 | 100 | <20 | N | N | 100 | 10 | N | 20 | N | 300 |
| 84SC233 | N | N | 15 | 100 | 70 | 20 | N | N | 100 | <10 | N | 10 | N | 300 |
| 84SC234 | N | N | 15 | 70 | 70 | <20 | N | N | 70 | 10 | N | 10 | N | 300 |
| 84SC235 | N | N | 20 | 150 | 100 | <20 | N | N | 150 | 10 | N | 15 | N | 300 |
| 84SC236 | N | N | 20 | 200 | 70 | <20 | N | N | 200 | 20 | N | 15 | N | 300 |
| 84SC239 | N | N | 15 | 50 | 100 | 20 | N | N | 30 | 20 | N | 15 | N | 300 |
| 84SC240 | N | N | 15 | 100 | 100 | 20 | N | N | 100 | 15 | N | 10 | N | 300 |
| 84SC240 | N | N | 15 | 100 | 100 | 20 | N | N | 100 | 15 | N | 10 | N | 300 |
| 84SC241 | N | N | 10 | 500 | 70 | 20 | N | N | 70 | 10 | N | 10 | N | 500 |
| 84SC242 | N | N | 10 | 500 | 100 | 20 | N | N | 70 | 10 | N | 10 | N | 300 |
| 84SC243 | N | N | 15 | 70 | 70 | 20 | N | N | 30 | 20 | N | 10 | N | 200 |
| 84SC244 | N | N | 15 | 70 | 70 | 20 | N | N | 30 | <10 | N | 10 | N | 300 |
| 84SC245 | N | N | 15 | 200 | 50 | <20 | N | N | 70 | 15 | N | 7 | N | 300 |
| 84SC246 | N | N | 15 | 200 | 70 | 20 | N | N | 100 | 10 | N | 10 | N | 300 |
| 84SC247 | N | N | 20 | 150 | 70 | 20 | N | N | 70 | 10 | N | 10 | N | 500 |
| 84SC248 | N | N | 15 | 150 | 70 | 20 | N | N | 100 | 15 | N | 7 | N | 300 |
| 84SC249 | N | N | 20 | 500 | 70 | 20 | N | N | 200 | 20 | N | 10 | N | 300 |
| 84SC250 | N | N | 10 | 15 | 50 | 20 | N | N | 10 | 10 | N | 10 | N | 700 |
| 84SC251 | N | N | 10 | 30 | 70 | 20 | N | N | 50 | 20 | N | 10 | N | 500 |
| 84SC252 | N | N | 10 | 50 | 100 | <20 | N | N | 30 | 15 | N | 10 | N | 300 |
| 84SC253 | N | N | 10 | 20 | 70 | <20 | N | N | 5 | 30 | N | 7 | N | 500 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC203 | 100 | N | 15 | N | 30 | N |
| 84SC204 | 100 | N | 15 | N | 30 | N |
| 84SC205 | 100 | N | 20 | N | 30 | N |
| 84SC206 | 150 | N | 15 | N | 30 | N |
| 84SC207 | 150 | N | 15 | N | 30 | N |
| 84SC208 | 150 | N | 20 | N | 30 | N |
| 84SC209 | 100 | N | 20 | N | 30 | N |
| 84SC210 | 150 | N | 20 | N | 30 | N |
| 84SC212 | 100 | N | 20 | N | 30 | N |
| 84SC213 | 150 | N | 20 | N | 30 | N |
| 84SC214 | 150 | N | 20 | N | 30 | N |
| 84SC215 | 200 | N | 15 | N | 20 | N |
| 84SC216 | 100 | N | 15 | N | 30 | N |
| 84SC218 | 200 | N | 20 | N | 30 | N |
| 84SC219 | 150 | N | 20 | N | 30 | N |
| 84SC220 | 150 | N | 20 | N | 30 | N |
| 84SC221 | 150 | N | 15 | N | 50 | N |
| 84SC222 | 100 | N | 15 | N | 30 | N |
| 84SC223 | 100 | N | 15 | N | 30 | N |
| 84SC224 | 150 | N | 15 | N | 30 | N |
| 84SC225 | 150 | N | 15 | N | 50 | N |
| 84SC226 | 200 | N | 20 | N | 50 | N |
| 84SC227 | 150 | N | 15 | N | 30 | N |
| 84SC229 | 200 | N | 20 | N | 30 | N |
| 84SC231 | 300 | N | 20 | N | 50 | N |
| 84SC233 | 100 | N | 15 | N | 30 | N |
| 84SC234 | 150 | N | 20 | N | 50 | N |
| 84SC235 | 150 | N | 15 | N | 30 | N |
| 84SC236 | 150 | N | 20 | N | 30 | N |
| 84SC239 | 200 | N | 20 | N | 70 | N |
| 84SC240 | 150 | N | 20 | N | 50 | N |
| 84SC240 | 150 | N | 20 | N | 50 | N |
| 84SC241 | 200 | N | 20 | N | 50 | N |
| 84SC242 | 200 | N | 20 | N | 50 | N |
| 84SC243 | 100 | N | 20 | N | 100 | N |
| 84SC244 | 150 | N | 20 | N | 70 | N |
| 84SC245 | 150 | N | 15 | N | 150 | N |
| 84SC246 | 150 | N | 15 | N | 30 | N |
| 84SC247 | 200 | N | 15 | N | 70 | N |
| 84SC248 | 100 | N | 15 | N | 50 | N |
| 84SC249 | 150 | N | 20 | N | 50 | N |
| 84SC250 | 150 | N | 20 | N | 100 | N |
| 84SC251 | 150 | N | 15 | N | 50 | N |
| 84SC252 | 150 | N | 20 | N | 50 | N |
| 84SC253 | 150 | N | 15 | N | 30 | N |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Latitude | Longitude | Fe-pct. S | Mg-pct. S | Ca-pct. S | Ti-pct. S | Mn-ppm S | Ag-ppm S | As-ppm S | Au-ppm S | B-ppm S | Ba-ppm S | Be-ppm S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC254 | 17 44 27 | 64 42 4 | 3.0 | 1.00 | 2.00 | .30 | 1,500 | N | N | N | 70 | 700 | <1 |
| 84SC255 | 17 44 17 | 64 42 37 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | 30 | 700 | <1 |
| 84SC256 | 17 43 54 | 64 42 19 | 3.0 | 1.00 | 1.50 | .50 | 1,000 | N | N | N | 30 | 1,000 | <1 |
| 84SC257 | 17 43 25 | 64 42 4 | 3.0 | .70 | .70 | .30 | 1,500 | N | N | N | 30 | 700 | <1 |
| 84SC258 | 17 43 30 | 64 42 13 | 5.0 | 1.50 | 1.50 | .50 | 2,000 | N | N | N | 50 | 1,000 | <1 |
| 84SC263 | 17 46 9 | 64 44 59 | 3.0 | .70 | 1.50 | .30 | 1,000 | N | N | N | 70 | 500 | <1 |
| 84SC299 | 17 45 45 | 64 51 2 | 3.0 | 1.00 | 3.00 | .30 | 1,000 | N | N | N | N | 300 | <1 |
| 84SC300 | 17 45 42 | 64 50 41 | 5.0 | 1.50 | 3.00 | .30 | 1,000 | N | N | N | <10 | 500 | <1 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC254 | N | N | 10 | 15 | 100 | 20 | N | N | 10 | 30 | N | 10 | N | 500 |
| 84SC255 | N | N | 10 | 20 | 100 | <20 | N | N | 7 | <10 | N | 10 | N | 500 |
| 84SC256 | N | N | 10 | 30 | 70 | 20 | N | N | 20 | 15 | N | 10 | N | 300 |
| 84SC257 | N | N | 10 | 30 | 70 | 20 | N | N | 20 | 10 | N | 10 | N | 300 |
| 84SC258 | N | N | 20 | 30 | 100 | <20 | N | N | 50 | 15 | N | 10 | N | 500 |
| 84SC263 | N | N | 10 | 30 | 70 | <20 | N | N | 20 | 15 | N | 10 | N | 200 |
| 84SC299 | N | N | 10 | 10 | 50 | <20 | N | N | 5 | <10 | N | 15 | N | 500 |
| 84SC300 | N | N | 10 | 15 | 70 | <20 | N | N | 10 | 10 | N | 15 | N | 500 |

Table 5. Semiquantitative spectrographic analyses of stream-sediment samples collected on the U.S. Virgin Islands>--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC254 | 150 | N | 15 | N | 30 | N |
| 84SC255 | 150 | N | 15 | N | 30 | N |
| 84SC256 | 150 | N | 20 | N | 50 | N |
| 84SC257 | 100 | N | 20 | N | 70 | N |
| 84SC258 | 200 | N | 20 | N | 100 | N |
| 84SC263 | 150 | N | 15 | N | 30 | N |
| 84SC299 | 200 | N | 20 | N | 30 | N |
| 84SC300 | 200 | N | 15 | N | 30 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longitude | Fe-pct. | Mg-pct. | Ca-pct. | Ti-pct. | Mn-ppm | Ag-ppm | As-ppm | Au-ppm | B-ppm | Ba-ppm | Be-ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | s | s | s | s | s | s | s | s | s | s | s |
| 83SI001 | 18 20 46 | 64 53 14 | 5.0 | .30 | 7.00 | .50 | 700 | N | N | N | 70 | 500 | N |
| 83SI001S | 18 20 46 | 64 53 14 | 2.0 | .30 | 5.00 | .50 | 700 | N | N | N | 70 | 500 | <2 |
| 83SI002 | 18 20 48 | 64 52 44 | 1.0 | .20 | 10.00 | >2.00 | 300 | 7.0 | N | N | 100 | >10,000 | N |
| 83SI002S | 18 20 48 | 64 52 44 | 1.5 | .50 | 7.00 | >2.00 | 700 | N | N | N | 150 | 1,000 | N |
| 83SI003 | 18 20 23 | 64 51 58 | 1.5 | .20 | 10.00 | .30 | 700 | N | N | N | 100 | 150 | N |
| 83SI003S | 18 20 23 | 64 51 58 | 1.5 | .30 | 10.00 | .30 | 700 | N | N | N | 70 | 200 | N |
| 83SI004S | 18 19 15 | 64 50 24 | 3.0 | .70 | 7.00 | .20 | 700 | N | N | N | 50 | 700 | N |
| 83SI005S | 18 19 36 | 64 50 13 | 5.0 | .50 | 7.00 | .50 | 700 | N | N | N | 20 | 70 | N |
| 83SI006S | 18 19 2 | 64 49 40 | 1.5 | 3.00 | 5.00 | .15 | 500 | N | N | N | 30 | 100 | N |
| 83SI007S | 18 18 41 | 64 49 41 | 2.0 | .30 | 7.00 | 2.00 | 1,000 | N | N | N | 50 | 150 | <2 |
| 83SI008S | 18 17 52 | 64 49 2 | 1.0 | .07 | .20 | >2.00 | 20 | N | N | N | 30 | 100 | N |
| 83SI009S | 18 18 0 | 64 49 25 | 1.5 | .70 | .30 | >2.00 | 300 | N | N | N | 20 | 300 | N |
| 83SI010S | 18 18 6 | 64 49 34 | 1.5 | .15 | <.10 | >2.00 | 70 | <1.0 | N | N | N | 150 | N |
| 83SI011S | 18 18 10 | 64 49 44 | 1.5 | .30 | .15 | >2.00 | 300 | N | N | N | N | 200 | N |
| 83SI013S | 18 18 33 | 64 51 52 | 2.0 | .20 | <.10 | >2.00 | 700 | N | N | N | 30 | >10,000 | N |
| 83SI014S | 18 18 26 | 64 52 14 | 1.5 | .10 | .15 | >2.00 | 200 | <1.0 | N | N | <20 | >10,000 | N |
| 83SI015S | 18 18 24 | 64 52 28 | 5.0 | .50 | 10.00 | .70 | 1,500 | N | N | N | 20 | 150 | N |
| 83SI016S | 18 19 47 | 64 56 42 | 3.0 | .50 | 7.00 | .20 | 700 | N | N | N | 70 | 1,500 | N |
| 83SI018S | 18 19 19 | 64 57 7 | 2.0 | .30 | 50.00 | 2.00 | 1,000 | N | N | N | N | 300 | N |
| 83SI021S | 18 18 27 | 65 0 6 | 3.0 | .20 | .20 | 2.00 | 700 | 7.0 | <500 | N | <20 | 300 | N |
| 83SI022S | 18 21 15 | 64 59 39 | 1.5 | .50 | 10.00 | .20 | 700 | 2.0 | N | N | 50 | 70 | N |
| 83SI023S | 18 20 47 | 64 58 36 | 3.0 | .50 | 7.00 | .70 | 700 | <1.0 | N | N | 50 | >10,000 | N |
| 83SI024S | 18 20 21 | 64 50 42 | .7 | .20 | 7.00 | >2.00 | 500 | 30.0 | N | N | <20 | 200 | N |
| 83SI025S | 18 21 17 | 64 52 54 | 2.0 | .30 | 5.00 | 2.00 | 700 | N | N | N | 50 | 500 | N |
| 83SI026 | 18 21 22 | 64 53 21 | 1.0 | .30 | 7.00 | >2.00 | 500 | N | N | N | 200 | 700 | N |
| 83SI027S | 18 21 52 | 64 53 35 | 5.0 | .70 | 7.00 | .20 | 1,500 | N | N | N | 50 | 500 | N |
| 83SI029S | 18 24 7 | 64 54 45 | 2.0 | 5.00 | 7.00 | .50 | 1,500 | N | N | N | 30 | 70 | N |
| 83SI030S | 18 24 35 | 64 54 29 | 3.0 | .50 | 5.00 | .30 | 1,500 | N | N | N | 30 | 200 | N |
| 83SI031S | 18 22 1 | 64 54 24 | 1.5 | .30 | 15.00 | 1.00 | 700 | <1.0 | N | N | 70 | 10,000 | N |
| 83SI032 | 18 22 37 | 64 55 41 | 1.5 | .50 | 1.50 | 1.00 | 500 | N | N | N | 100 | 3,000 | <2 |
| 83SI033 | 18 22 1 | 64 55 15 | 1.5 | .70 | 20.00 | 2.00 | 700 | N | N | N | 70 | 3,000 | <2 |
| 83SI034 | 18 21 34 | 64 55 39 | .7 | .30 | 50.00 | .70 | 300 | N | N | N | 70 | 200 | N |
| 83SI035 | 18 21 49 | 64 56 14 | 2.0 | .50 | 15.00 | .50 | 1,000 | N | N | N | 70 | >10,000 | N |
| 83SI036 | 18 22 28 | 64 56 57 | 7.0 | 2.00 | 15.00 | .50 | 1,500 | N | N | N | 70 | 300 | N |
| 83SI037 | 18 22 12 | 64 58 5 | 2.0 | .50 | 3.00 | 1.00 | 1,000 | N | N | N | 50 | 300 | N |
| 83SI038 | 18 23 0 | 64 58 8 | 1.5 | .50 | 15.00 | .05 | 700 | N | N | N | 70 | <50 | N |
| 83SI039 | 18 23 14 | 64 58 21 | 2.0 | .50 | 10.00 | .15 | 700 | N | N | N | 70 | 700 | N |
| 83SI040 | 18 23 41 | 64 58 8 | 1.5 | .50 | 15.00 | 1.50 | 1,000 | N | N | N | 70 | 700 | <2 |
| 83SI041 | 18 24 5 | 64 58 30 | 1.5 | .30 | 20.00 | .30 | 1,500 | N | N | N | 100 | 100 | <2 |
| 83SI042 | 18 22 24 | 64 58 32 | <.1 | .07 | 50.00 | .02 | 30 | N | N | N | <20 | 50 | N |
| 83SI043 | 18 22 21 | 64 59 0 | 2.0 | .30 | 10.00 | .50 | 1,000 | N | N | N | 50 | 5,000 | N |
| 83SI044S | 18 22 24 | 64 59 27 | 1.5 | .30 | 5.00 | .30 | 1,000 | N | N | N | 50 | 300 | N |
| 83SI045S | 18 20 4 | 64 56 15 | 1.5 | .15 | .70 | 2.00 | 1,500 | N | N | N | 30 | 150 | N |
| 83SI046 | 18 19 42 | 64 56 7 | 1.5 | .20 | 10.00 | .50 | 300 | N | N | N | 50 | 5,000 | N |
| 83SI047S | 18 16 44 | 64 53 46 | .7 | .15 | 2.00 | 1.50 | 200 | N | N | N | 20 | 150 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | N | N | 10 | 20 | 200 | <50 | 50 | N | 10 | 200 | N | 50 | 100 | 1,000 |
| 83ST001S | N | N | <10 | 20 | 70 | 50 | 500 | N | 15 | 1,500 | N | 15 | 20 | 700 |
| 83ST002 | N | N | N | 50 | 1,500 | 50 | 10 | N | <10 | 1,000 | N | 15 | 200 | 1,000 |
| 83ST002S | N | N | <10 | 70 | 100 | 50 | N | N | 10 | 50 | N | 30 | N | 700 |
| 83ST003 | N | N | N | 20 | 30 | N | N | N | <10 | 30 | N | 10 | N | 700 |
| 83ST003S | N | N | N | <20 | 30 | <50 | N | N | <10 | 50 | N | <10 | N | 700 |
| 83ST004S | N | N | <10 | 20 | 50 | N | N | N | 10 | 50 | N | 20 | N | 700 |
| 83ST005S | 100 | N | 15 | 50 | 70 | N | N | N | 10 | 20 | N | 30 | >2,000 | 700 |
| 83ST006S | N | N | 15 | 700 | 30 | N | 15 | N | 50 | 100 | N | 15 | 30 | <200 |
| 83ST007S | N | N | 10 | 20 | 50 | <50 | N | N | 10 | 100 | N | 30 | N | 700 |
| 83ST008S | N | N | <10 | 20 | 15 | 50 | <10 | <50 | <10 | 100 | N | 50 | 30 | 1,000 |
| 83ST009S | N | N | 10 | <20 | 30 | <50 | N | <50 | <10 | 70 | N | 50 | N | N |
| 83ST010S | N | N | 10 | <20 | N | N | N | <50 | <10 | 30 | N | 100 | N | N |
| 83ST011S | N | N | <10 | 30 | <10 | 50 | <10 | N | 10 | 70 | N | 30 | N | N |
| 83ST013S | N | N | 15 | N | 500 | <50 | 20 | N | <10 | 100 | N | <10 | N | 2,000 |
| 83ST014S | N | N | 15 | 100 | 50 | N | N | N | 20 | <20 | N | 50 | N | 700 |
| 83ST015S | N | N | <10 | 30 | 50 | N | N | N | 15 | 20 | N | 20 | N | 1,000 |
| 83ST016S | N | N | <10 | <20 | 50 | N | N | N | 10 | 20 | N | 15 | N | 700 |
| 83ST018S | N | N | 15 | <20 | 30 | 150 | N | N | 10 | 100 | N | 15 | N | 1,000 |
| 83ST021S | 1,000 | N | 15 | 20 | 30 | <50 | N | N | 20 | >50,000 | 1,000 | 15 | N | N |
| 83ST022S | <20 | N | 10 | 70 | 30 | N | N | N | 15 | 3,000 | N | 10 | 20 | 2,000 |
| 83ST023S | N | N | <10 | 50 | 70 | <50 | N | N | 20 | 700 | N | 30 | N | 1,500 |
| 83ST024S | N | N | 20 | <20 | 70 | N | 70 | N | <10 | >50,000 | 500 | <10 | N | N |
| 83ST025S | N | N | 10 | 30 | 50 | N | N | N | 10 | 2,000 | N | 20 | N | 700 |
| 83ST026 | N | N | 15 | 100 | 30 | <50 | <10 | N | <10 | 100 | N | 30 | 30 | 700 |
| 83ST027S | N | N | 15 | 20 | 30 | <50 | N | N | 10 | 70 | N | 15 | N | 1,500 |
| 83ST029S | N | N | 15 | 1,000 | 30 | <50 | N | N | 70 | <20 | N | 30 | 1,000 | 700 |
| 83ST030S | N | N | 10 | 150 | 70 | <50 | N | N | 10 | 30 | N | 20 | N | 1,000 |
| 83ST031S | N | N | 10 | 20 | 300 | 50 | N | N | 10 | 300 | <200 | 15 | 1,500 | 2,000 |
| 83ST032 | N | N | 10 | 70 | 50 | <50 | N | N | 10 | 100 | N | 15 | N | 700 |
| 83ST033 | N | N | 10 | 150 | 500 | 50 | <10 | N | 15 | 70 | N | 15 | N | 1,500 |
| 83ST034 | N | N | N | <20 | 10 | N | N | N | <10 | 300 | N | <10 | 300 | 5,000 |
| 83ST035 | <20 | N | <10 | 20 | 100 | <50 | N | N | <10 | 5,000 | <200 | 10 | >2,000 | 1,500 |
| 83ST036 | N | N | 15 | 100 | 70 | N | N | N | 20 | 30 | N | 50 | 20 | 1,000 |
| 83ST037 | N | N | 15 | N | 70 | N | N | N | 15 | 20 | N | 15 | 200 | 500 |
| 83ST038 | N | N | <10 | <20 | 15 | N | N | N | 10 | <20 | N | <10 | N | 700 |
| 83ST039 | N | N | <10 | <20 | 20 | N | N | N | 10 | 30 | N | 10 | N | 1,000 |
| 83ST040 | N | N | 10 | N | 50 | <50 | N | N | 10 | 20 | N | 20 | N | 500 |
| 83ST041 | N | N | 10 | N | 30 | <50 | N | N | 10 | 20 | N | 20 | N | <200 |
| 83ST042 | N | N | N | N | N | N | N | N | <10 | 150 | N | N | N | 3,000 |
| 83ST043 | <20 | N | 15 | <20 | 70 | <50 | 100 | N | 10 | 10,000 | N | 15 | 2,000 | 1,500 |
| 83ST044S | N | N | 10 | 20 | 50 | <50 | N | N | 10 | 20 | N | 15 | N | 1,000 |
| 83ST045S | N | N | 10 | <20 | <10 | N | N | N | 10 | 150 | N | 15 | 150 | 200 |
| 83ST046 | N | N | <10 | 20 | 1,000 | N | N | N | 15 | 70 | N | <10 | 20 | 1,000 |
| 83ST047S | N | N | <10 | 20 | 2,000 | N | N | N | <10 | <20 | N | 10 | N | 500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST001 | 200 | N | 30 | N | 70 | N |
| 83ST001S | 100 | N | 50 | N | 2,000 | N |
| 83ST002 | 300 | N | 100 | N | 1,500 | N |
| 83ST002S | 500 | N | 100 | N | 1,500 | N |
| 83ST003 | 100 | N | <20 | N | 30 | N |
| 83ST003S | 70 | N | <20 | N | 30 | N |
| 83ST004S | 200 | N | <20 | N | 300 | N |
| 83ST005S | 300 | N | 20 | N | 30 | N |
| 83ST006S | 70 | N | N | N | 200 | N |
| 83ST007S | 500 | N | 50 | N | 150 | N |
| 83ST008S | 70 | N | 200 | N | 500 | N |
| 83ST009S | 100 | N | 200 | N | >2,000 | N |
| 83ST010S | 20 | N | 300 | N | 300 | N |
| 83ST011S | 70 | N | 200 | N | 100 | N |
| 83ST013S | 100 | N | 150 | N | >2,000 | N |
| 83ST014S | 300 | N | 200 | N | 300 | N |
| 83ST015S | 500 | N | 30 | N | 50 | N |
| 83ST016S | 200 | N | 20 | N | 50 | N |
| 83ST018S | 100 | N | 200 | N | 100 | N |
| 83ST021S | 30 | N | 50 | N | 300 | N |
| 83ST022S | 150 | N | <20 | N | 100 | N |
| 83ST023S | 500 | N | <20 | N | <20 | N |
| 83ST024S | 200 | <100 | 50 | N | 50 | N |
| 83ST025S | 300 | N | 30 | N | 500 | N |
| 83ST026 | 300 | N | 100 | N | 1,500 | N |
| 83ST027S | 300 | N | <20 | N | 70 | N |
| 83ST029S | 200 | N | N | N | 200 | N |
| 83ST030S | 300 | N | <20 | N | 150 | N |
| 83ST031S | 300 | N | 50 | N | 500 | N |
| 83ST032 | 200 | N | 20 | N | 100 | N |
| 83ST033 | 300 | N | 70 | N | 500 | N |
| 83ST034 | 70 | N | <20 | N | 20 | N |
| 83ST035 | 150 | N | 20 | N | 300 | N |
| 83ST036 | 500 | N | <20 | N | 20 | N |
| 83ST037 | 200 | N | N | N | 30 | N |
| 83ST038 | 70 | N | N | N | <20 | N |
| 83ST039 | 100 | N | N | N | 20 | N |
| 83ST040 | 300 | N | 50 | N | 70 | N |
| 83ST041 | 500 | N | <20 | N | 30 | N |
| 83ST042 | 20 | N | N | N | <20 | N |
| 83ST043 | 200 | N | 30 | N | 500 | N |
| 83ST044S | 300 | N | <20 | N | <20 | N |
| 83ST045S | 700 | N | <20 | N | 100 | N |
| 83ST046 | 200 | N | <20 | N | 30 | N |
| 83ST047S | 100 | N | 100 | N | >2,000 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI048 | 18 18 39 | 64 53 4 | 1.5 | .70 | 2.00 | >2.00 | 700 | 15.0 | N | N | 70 | <50 | N |
| 83SI049S | 18 18 58 | 64 53 28 | 1.0 | .20 | .15 | >2.00 | 150 | 2.0 | N | N | N | <50 | N |
| 83SI050 | 18 19 38 | 64 55 18 | 1.5 | .30 | 15.00 | 2.00 | 500 | 1.5 | N | N | 50 | 3,000 | N |
| 83SI051 | 18 19 37 | 64 56 58 | 1.5 | .15 | 3.00 | >2.00 | 700 | N | N | N | 50 | 70 | N |
| 83SI052 | 18 19 48 | 64 57 31 | 1.5 | .20 | .15 | >2.00 | 100 | 1.0 | N | N | N | 50 | N |
| 83SI054 | 18 19 55 | 64 58 21 | 2.0 | .20 | .50 | >2.00 | 100 | 5.0 | N | N | 20 | >10,000 | N |
| 83SI055 | 18 21 0 | 64 59 10 | 1.5 | .30 | 20.00 | .70 | 1,000 | 5.0 | N | N | 30 | 1,000 | N |
| 83SI056 | 18 20 54 | 65 1 54 | 5.0 | .70 | 7.00 | .15 | 1,000 | N | N | N | 30 | 50 | N |
| 83SI057 | 18 21 16 | 65 2 6 | 5.0 | .50 | 7.00 | .50 | 1,500 | N | N | N | 50 | 100 | N |
| 83SI058 | 18 20 40 | 65 4 47 | 1.5 | .30 | 15.00 | .05 | 1,000 | N | N | N | 50 | 150 | N |
| 83SI059 | 18 20 23 | 65 5 6 | 2.0 | .50 | 5.00 | .30 | 700 | N | N | N | <20 | 200 | N |
| 83SI060 | 18 21 42 | 65 2 49 | 2.0 | .30 | 7.00 | .20 | 1,000 | N | N | N | 30 | 10,000 | N |
| 83SI061 | 18 21 43 | 65 3 9 | 3.0 | .30 | 7.00 | .50 | 2,000 | N | N | N | 20 | 500 | N |
| 83SI062S | 18 22 52 | 65 3 40 | 2.0 | .30 | 10.00 | .30 | 1,500 | N | N | N | 50 | 5,000 | <2 |
| 83SI063S | 18 24 20 | 65 3 36 | 5.0 | .50 | 10.00 | .30 | 1,000 | N | N | N | 20 | 100 | N |
| 83SI065 | 18 21 46 | 64 59 37 | 2.0 | .30 | 7.00 | .15 | 1,000 | N | N | N | 50 | 700 | N |
| 83SI067 | 18 19 41 | 64 51 14 | 1.5 | .20 | .20 | >2.00 | 300 | N | N | N | 50 | 70 | N |
| 83SI068 | 18 19 59 | 64 51 14 | 1.5 | .15 | .30 | >2.00 | 300 | N | N | N | 150 | 300 | <2 |
| 83SI069 | 18 19 36 | 64 51 40 | 1.5 | .20 | .70 | >2.00 | 300 | N | N | N | 100 | 200 | <2 |
| 83SI070 | 18 19 40 | 64 52 23 | 1.5 | .20 | 1.50 | >2.00 | 500 | <1.0 | N | N | 70 | 150 | <2 |
| 83SI071 | 18 19 42 | 64 52 25 | 1.5 | .20 | 7.00 | 1.00 | 700 | N | N | N | 50 | 10,000 | N |
| 83SI072 | 18 19 19 | 64 53 29 | 1.5 | .30 | 1.50 | >2.00 | 500 | N | N | N | <20 | 1,500 | N |
| 83SI073 | 18 19 27 | 64 53 28 | 1.5 | .30 | 2.00 | >2.00 | 700 | N | N | N | <20 | 100 | N |
| 83SI074 | 18 20 5 | 64 53 3 | 1.5 | .30 | 20.00 | .15 | 700 | N | N | N | 30 | 300 | N |
| 83SI075 | 18 19 44 | 64 53 0 | 2.0 | .20 | 5.00 | 1.00 | 1,000 | N | N | N | 20 | <50 | N |
| 83SI076 | 18 19 34 | 64 54 35 | 2.0 | .30 | 7.00 | 2.00 | 1,000 | N | N | N | 20 | 1,000 | <2 |
| 83SI077 | 18 19 12 | 64 54 42 | 1.5 | .50 | 10.00 | >2.00 | 300 | N | N | N | N | <50 | N |
| 83SI078 | 18 19 11 | 64 53 59 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | <20 | 150 | N |
| 83SI079 | 18 19 30 | 64 54 16 | 2.0 | .15 | 10.00 | .70 | 2,000 | N | N | N | <20 | 2,000 | N |
| 83SI080 | 18 20 13 | 64 54 30 | 2.0 | .30 | 15.00 | 2.00 | 1,000 | N | N | N | 70 | 3,000 | N |
| 83SI081 | 18 20 18 | 64 54 24 | 5.0 | .50 | 10.00 | .50 | 1,500 | N | N | N | 70 | 200 | N |
| 83SI082 | 18 20 12 | 64 54 12 | 3.0 | .30 | 7.00 | .50 | 1,500 | N | N | N | 70 | 50 | <2 |
| 83SI083 | 18 20 15 | 64 53 30 | 5.0 | .30 | 15.00 | .50 | 1,500 | N | N | N | 70 | 70 | N |
| 83SI085 | 18 21 32 | 64 54 30 | 5.0 | .70 | 10.00 | .30 | 1,500 | N | N | N | 50 | 700 | N |
| 83SI086 | 18 21 17 | 64 55 16 | 1.5 | .15 | 2.00 | .20 | 700 | N | N | N | 30 | 300 | N |
| 83SI087 | 18 21 43 | 64 56 31 | 5.0 | .30 | 7.00 | .50 | 1,500 | N | N | N | 30 | 300 | <2 |
| 83SI088 | 18 22 11 | 64 57 8 | 1.5 | .30 | 7.00 | .10 | 700 | N | N | N | 50 | 1,000 | N |
| 83SI089 | 18 22 9 | 64 57 38 | 3.0 | .30 | 7.00 | .15 | 1,500 | N | N | N | 50 | 700 | N |
| 83SI090 | 18 21 52 | 64 58 35 | 5.0 | .30 | 5.00 | .30 | 1,000 | N | N | N | 50 | 700 | N |
| 83SI091 | 18 21 39 | 65 0 55 | 5.0 | .70 | 5.00 | .30 | 1,000 | N | N | N | 50 | 150 | N |
| 83SI092 | 18 21 32 | 65 1 5 | 5.0 | .50 | 7.00 | .70 | 1,000 | N | N | N | 100 | 150 | N |
| 83SI093 | 18 21 4 | 65 1 22 | 5.0 | .50 | 7.00 | .15 | 1,500 | N | N | N | 30 | 50 | N |
| 83SI094 | 18 20 45 | 65 1 22 | 3.0 | .50 | 7.00 | .15 | 700 | N | N | N | 30 | 1,500 | N |
| 83SI095S | 18 21 15 | 65 0 10 | 1.5 | .50 | 7.00 | .10 | 1,000 | 7.0 | N | N | 20 | 50 | N |
| 83SI096 | 18 21 28 | 65 1 55 | 5.0 | .50 | 7.00 | .20 | 1,500 | N | N | N | 20 | 100 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST048 | >2,000 | N | 10 | 100 | 700 | N | N | N | 10 | 300 | N | 50 | N | N |
| 83ST049S | 30 | N | 10 | 50 | 30 | <50 | <10 | N | 10 | 150 | N | 100 | 70 | N |
| 83ST050 | <20 | N | N | 50 | 100 | <50 | N | N | 10 | 10,000 | <200 | 10 | 1,000 | 1,500 |
| 83ST051 | N | N | 10 | <20 | <10 | 50 | N | N | 10 | 300 | N | 50 | 20 | 200 |
| 83ST052 | N | N | 15 | N | <10 | <50 | N | N | <10 | 150 | N | 150 | 50 | N |
| 83ST054 | 50 | N | N | 20 | 150 | 50 | N | N | 10 | 7,000 | 1,000 | 50 | 70 | <200 |
| 83ST055 | <20 | N | 10 | 50 | 3,000 | <50 | N | N | 15 | >50,000 | 300 | 10 | 2,000 | 1,500 |
| 83ST056 | N | N | 15 | 20 | 50 | N | N | N | 10 | 3,000 | N | 15 | 30 | 500 |
| 83ST057 | N | N | 10 | N | 30 | N | N | N | 10 | 300 | N | 15 | N | 1,000 |
| 83ST058 | N | N | <10 | <20 | 10 | N | N | N | <10 | 50 | N | <10 | N | 1,000 |
| 83ST059 | N | N | <10 | 50 | 30 | N | N | N | 10 | 50 | N | 10 | N | 500 |
| 83ST060 | N | N | <10 | 30 | 30 | N | N | N | <10 | 5,000 | N | 10 | N | 700 |
| 83ST061 | N | N | <10 | 20 | 15 | N | N | N | 10 | 70 | N | 10 | N | 700 |
| 83ST062S | N | N | <10 | 20 | 1,000 | N | N | N | 10 | 2,000 | N | 10 | N | 1,000 |
| 83ST063S | N | N | <10 | 50 | 30 | N | N | N | 10 | 30 | N | 50 | N | 1,000 |
| 83ST065 | N | N | <10 | 20 | 200 | N | N | N | 10 | 70 | N | 10 | 1,000 | 1,000 |
| 83ST067 | N | N | 10 | 30 | <10 | N | N | N | 10 | 50 | N | 10 | 70 | N |
| 83ST068 | N | N | <10 | 20 | 10 | N | N | N | 10 | 300 | N | 20 | N | 300 |
| 83ST069 | N | N | <10 | 20 | 20 | N | N | N | 10 | 700 | N | 30 | 300 | 200 |
| 83ST070 | N | N | <10 | <20 | 15 | <50 | N | N | 10 | 3,000 | N | 30 | N | 200 |
| 83ST071 | N | N | N | <20 | 1,500 | N | N | N | <10 | 100 | N | 15 | 150 | 2,000 |
| 83ST072 | N | N | N | 20 | 20 | N | N | N | 10 | 500 | N | 20 | N | <200 |
| 83ST073 | N | N | N | 30 | 20 | N | N | 50 | 10 | 100 | N | 20 | 700 | N |
| 83ST074 | N | N | N | <20 | 30 | N | N | N | 10 | 150 | N | 10 | N | 2,000 |
| 83ST075 | N | N | <10 | <20 | 50 | N | N | N | 10 | 50 | N | 15 | N | 500 |
| 83ST076 | N | N | <10 | 20 | 15 | N | N | N | 10 | 200 | N | 15 | 200 | 700 |
| 83ST077 | N | N | <10 | 70 | 15 | <50 | N | N | 10 | 70 | N | 20 | N | 1,000 |
| 83ST078 | N | N | 10 | 150 | 200 | <50 | N | N | 15 | 700 | N | 20 | N | 700 |
| 83ST079 | N | N | <10 | 30 | 70 | N | N | N | 10 | 30 | N | 15 | N | 700 |
| 83ST080 | N | N | N | 30 | 3,000 | N | N | N | <10 | 50,000 | N | 10 | 700 | 3,000 |
| 83ST081 | N | N | 10 | 20 | 50 | N | N | N | 10 | 150 | N | 20 | 70 | 1,000 |
| 83ST082 | N | N | <10 | <20 | 50 | <50 | N | N | 10 | 150 | N | 30 | N | 700 |
| 83ST083 | N | N | 10 | <20 | 50 | <50 | N | N | 10 | 70 | N | 20 | N | 700 |
| 83ST085 | N | N | 10 | 50 | 50 | <50 | N | N | 10 | 70 | N | 20 | N | 1,000 |
| 83ST086 | N | N | <10 | 20 | 20 | N | N | N | 10 | 20 | N | 10 | N | 500 |
| 83ST087 | N | N | <10 | <20 | 50 | <50 | N | N | 10 | 1,000 | N | 15 | 1,000 | 1,000 |
| 83ST088 | N | N | N | <20 | 200 | N | N | N | 10 | 300 | N | <10 | 100 | 1,000 |
| 83ST089 | N | N | 15 | 20 | 50 | <50 | N | N | 10 | 100 | N | 15 | N | 1,000 |
| 83ST090 | N | N | 15 | <20 | 50 | <50 | N | N | 10 | 20 | N | 20 | N | 1,000 |
| 83ST091 | N | N | 15 | 20 | 70 | N | N | N | 10 | 20 | N | 20 | 150 | 700 |
| 83ST092 | N | N | 15 | <20 | 50 | 50 | N | N | 10 | 20 | N | 20 | N | 1,000 |
| 83ST093 | N | N | 15 | N | 70 | N | N | N | 15 | <20 | N | 15 | N | 300 |
| 83ST094 | N | N | 10 | N | 70 | N | N | N | 10 | <20 | N | 10 | 700 | 1,000 |
| 83ST095S | N | N | N | <20 | 30 | <50 | N | N | 10 | N | N | 10 | N | 1,000 |
| 83ST096 | N | N | <10 | <20 | 50 | <50 | N | N | 10 | 30 | N | 15 | 700 | 1,500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST048 | 300 | N | 150 | N | 700 | N |
| 83ST049S | 50 | N | 300 | N | 500 | N |
| 83ST050 | 100 | N | 150 | N | 150 | N |
| 83ST051 | 70 | N | 100 | N | 500 | N |
| 83ST052 | 50 | N | 150 | N | 700 | N |
| 83ST054 | 150 | N | 50 | N | 100 | N |
| 83ST055 | 200 | N | 50 | N | 70 | N |
| 83ST056 | 300 | N | N | N | <20 | N |
| 83ST057 | 300 | N | <20 | N | 30 | N |
| 83ST058 | 70 | N | N | N | 20 | N |
| 83ST059 | 150 | N | N | N | 70 | N |
| 83ST060 | 100 | N | 20 | N | 700 | N |
| 83ST061 | 70 | N | 30 | N | 200 | N |
| 83ST062S | 70 | N | N | N | 70 | N |
| 83ST063S | 300 | N | 20 | N | 50 | N |
| 83ST065 | 200 | N | N | N | <20 | N |
| 83ST067 | 70 | N | 70 | N | 200 | N |
| 83ST068 | 70 | N | 100 | N | 500 | N |
| 83ST069 | 100 | N | 150 | N | 1,500 | N |
| 83ST070 | 70 | N | 150 | N | 100 | N |
| 83ST071 | 100 | N | 20 | N | 150 | N |
| 83ST072 | 70 | N | 70 | N | 200 | N |
| 83ST073 | 150 | N | 100 | N | 500 | N |
| 83ST074 | 100 | N | N | N | <20 | N |
| 83ST075 | 50 | N | 20 | N | 150 | N |
| 83ST076 | 70 | N | 70 | N | 200 | N |
| 83ST077 | 200 | N | 70 | N | 70 | N |
| 83ST078 | 500 | N | 50 | N | 70 | N |
| 83ST079 | 100 | N | 50 | N | 100 | N |
| 83ST080 | 70 | N | 70 | N | >2,000 | N |
| 83ST081 | 200 | N | 20 | N | 50 | N |
| 83ST082 | 300 | N | 20 | N | 70 | N |
| 83ST083 | 500 | N | 30 | N | 50 | N |
| 83ST085 | 300 | N | 20 | N | 50 | N |
| 83ST086 | 150 | N | <20 | N | 150 | N |
| 83ST087 | 300 | N | 20 | N | 50 | N |
| 83ST088 | 70 | N | N | N | <20 | N |
| 83ST089 | 500 | N | <20 | N | 20 | N |
| 83ST090 | 300 | N | <20 | N | 30 | N |
| 83ST091 | 300 | N | <20 | N | 20 | N |
| 83ST092 | 300 | N | 50 | N | 500 | N |
| 83ST093 | 500 | N | N | N | <20 | N |
| 83ST094 | 500 | N | N | N | 20 | N |
| 83ST095S | 300 | N | N | N | <20 | N |
| 83ST096 | 150 | N | 20 | N | 30 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST097 | 18 20 44 | 64 56 55 | 3.0 | .50 | 15.00 | .20 | 1,000 | 2.0 | N | N | 50 | 200 | N |
| 83ST098 | 18 20 49 | 64 57 8 | 5.0 | .70 | 15.00 | .30 | 1,500 | N | N | N | 70 | 70 | N |
| 83ST099 | 18 20 58 | 64 57 46 | 2.0 | .50 | 20.00 | .10 | 1,000 | N | N | N | 70 | 300 | N |
| 83ST102S | 18 18 28 | 64 50 0 | 2.0 | 2.00 | 3.00 | 2.00 | 700 | N | N | N | 20 | 100 | N |
| 83ST103S | 18 18 57 | 64 49 55 | 5.0 | .50 | 3.00 | 2.00 | 1,000 | N | N | N | 20 | 100 | N |
| 83ST104S | 18 21 33 | 64 50 21 | 3.0 | .70 | 15.00 | .70 | 1,000 | N | N | N | 20 | 10,000 | N |
| 83ST105S | 18 21 44 | 64 49 32 | 5.0 | 1.00 | 20.00 | .70 | 1,500 | N | N | N | 20 | 300 | N |
| 83ST106S | 18 21 43 | 64 49 42 | 2.0 | .30 | 10.00 | >2.00 | 1,000 | N | N | N | 20 | 200 | N |
| 83ST108S | 18 21 50 | 64 52 12 | 3.0 | 1.00 | 3.00 | .70 | 1,000 | N | N | N | <20 | 300 | N |
| 83ST109S | 18 21 34 | 64 51 46 | 3.0 | .70 | 10.00 | 1.00 | 700 | N | N | N | 70 | >10,000 | <2 |
| 83ST110S | 18 20 48 | 64 51 45 | 7.0 | .50 | 20.00 | .70 | 2,000 | N | N | N | 50 | 300 | <2 |
| 83ST111S | 18 19 52 | 64 50 47 | 1.5 | .30 | 3.00 | .50 | 1,000 | N | N | N | 30 | >10,000 | N |
| 84SJ001 | 18 20 27 | 64 47 22 | 7.0 | .50 | 10.00 | .70 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SJ002 | 18 20 29 | 64 47 6 | 10.0 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 70 | 200 | <2 |
| 84SJ003 | 18 20 49 | 64 46 51 | 7.0 | 5.00 | 15.00 | .50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ004 | 18 20 53 | 64 46 36 | 10.0 | 3.00 | 15.00 | .50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ005 | 18 21 8 | 64 46 30 | 10.0 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 50 | 300 | N |
| 84SJ006 | 18 21 12 | 64 46 5 | 7.0 | 2.00 | 10.00 | .50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ007 | 18 21 12 | 64 45 49 | 10.0 | 3.00 | 15.00 | .50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ008 | 18 21 12 | 64 45 21 | 10.0 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 70 | 300 | N |
| 84SJ009 | 18 21 16 | 64 45 9 | 7.0 | 1.00 | 15.00 | 2.00 | 1,500 | N | N | N | 700 | 500 | <2 |
| 84SJ010 | 18 21 57 | 64 44 29 | 3.0 | 1.00 | 15.00 | >2.00 | 1,500 | N | N | N | 50 | >10,000 | N |
| 84SJ011 | 18 21 57 | 64 44 17 | 2.0 | .70 | 15.00 | >2.00 | 1,500 | 1.5 | N | N | 200 | >10,000 | N |
| 84SJ012 | 18 21 54 | 64 43 40 | 1.0 | .30 | 10.00 | >2.00 | 1,500 | N | N | N | N | 2,000 | N |
| 84SJ013 | 18 21 38 | 64 44 6 | 3.0 | .50 | 15.00 | >2.00 | 1,000 | 150.0 | N | N | 20 | 5,000 | N |
| 84SJ014 | 18 21 28 | 64 44 22 | 1.5 | .70 | 7.00 | >2.00 | 1,000 | 1.5 | N | N | N | >10,000 | N |
| 84SJ015 | 18 21 50 | 64 43 6 | 2.0 | 1.00 | 15.00 | >2.00 | 1,500 | 1.5 | N | N | 50 | 1,500 | N |
| 84SJ016 | 18 21 27 | 64 43 42 | 1.5 | .50 | 5.00 | .30 | 700 | N | N | N | 20 | 300 | N |
| 84SJ017 | 18 21 15 | 64 43 2 | 1.5 | .50 | 2.00 | >2.00 | 1,500 | <1.0 | N | N | N | 700 | N |
| 84SJ018 | 18 21 7 | 64 42 48 | 2.0 | .50 | 7.00 | >2.00 | 1,000 | N | N | N | 20 | 2,000 | N |
| 84SJ019 | 18 21 20 | 64 42 22 | 1.5 | .50 | 5.00 | >2.00 | 1,000 | N | N | N | N | >10,000 | N |
| 84SJ020 | 18 21 30 | 64 42 4 | 1.5 | .30 | 3.00 | >2.00 | 700 | N | N | N | 20 | 2,000 | <2 |
| 84SJ021 | 18 21 4 | 64 43 24 | 5.0 | .50 | 15.00 | >2.00 | 2,000 | N | N | N | 50 | 500 | N |
| 84SJ022 | 18 20 57 | 64 43 29 | 10.0 | .70 | 7.00 | >2.00 | 2,000 | N | N | N | 70 | 300 | <2 |
| 84SJ023 | 18 20 55 | 64 43 27 | 5.0 | .70 | 7.00 | 2.00 | 2,000 | N | N | N | 70 | 10,000 | <2 |
| 84SJ024 | 18 20 32 | 64 42 55 | 3.0 | .70 | 5.00 | 2.00 | 1,500 | 10.0 | N | N | 100 | 7,000 | <2 |
| 84SJ025 | 18 20 42 | 64 43 5 | 7.0 | .70 | 7.00 | 1.50 | 1,500 | N | N | N | 100 | >10,000 | N |
| 84SJ026 | 18 21 29 | 64 41 45 | 15.0 | 1.50 | 10.00 | >2.00 | 2,000 | N | N | N | 70 | 5,000 | N |
| 84SJ027 | 18 21 33 | 64 41 27 | 1.5 | .20 | .70 | .70 | 500 | N | N | N | N | 500 | N |
| 84SJ028 | 18 21 9 | 64 40 59 | 1.5 | .30 | 3.00 | >2.00 | 1,000 | N | N | N | N | 700 | N |
| 84SJ029 | 18 20 20 | 64 40 23 | 3.0 | .70 | 7.00 | >2.00 | 1,500 | N | N | N | N | 2,000 | N |
| 84SJ030 | 18 20 33 | 64 40 26 | 15.0 | 5.00 | 10.00 | 2.00 | 5,000 | N | N | N | N | 150 | N |
| 84SJ031 | 18 20 43 | 64 40 27 | 10.0 | 1.00 | 3.00 | 1.50 | 3,000 | N | N | N | 50 | 300 | N |
| 84SJ032 | 18 20 17 | 64 42 49 | 2.0 | .70 | 5.00 | >2.00 | 1,500 | 5.0 | N | N | 20 | 10,000 | N |
| 84SJ033 | 18 20 3 | 64 42 31 | 2.0 | .70 | 3.00 | >2.00 | 700 | 3.0 | N | N | 20 | >10,000 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI097 | N | N | N | N | 700 | <50 | N | N | 10 | 30,000 | 200 | 10 | 1,000 | 1,000 |
| 83SI098 | N | N | 10 | <20 | 300 | N | N | N | 10 | 300 | N | 15 | 20 | 1,500 |
| 83SI099 | N | N | <10 | <20 | 50 | N | N | N | <10 | 3,000 | N | 10 | N | 3,000 |
| 83SI102S | N | N | 10 | 500 | 50 | N | N | N | 30 | 70 | N | 30 | N | <200 |
| 83SI103S | N | N | 10 | 50 | 50 | N | N | N | 15 | 10,000 | N | 20 | 1,000 | 500 |
| 83SI104S | N | N | <10 | 20 | 70 | <50 | N | N | 15 | 100 | N | 15 | N | 1,000 |
| 83SI105S | N | N | <10 | 30 | 50 | <50 | 30 | N | 15 | 500 | N | 15 | N | 1,500 |
| 83SI106S | N | N | 10 | <20 | 20 | 50 | 15 | N | <10 | 20 | N | N | <20 | <200 |
| 83SI108S | N | N | 10 | 30 | 50 | <50 | N | N | <10 | 20 | N | 10 | N | 700 |
| 83SI109S | N | N | 10 | 20 | 70 | <50 | N | N | 10 | 30 | N | 15 | N | 700 |
| 83SI110S | N | N | 10 | 30 | 50 | <50 | N | N | 15 | 20 | N | 15 | N | 300 |
| 83SI111S | N | N | <10 | N | 70 | N | N | N | 15 | 50 | N | 10 | N | 1,500 |
| 84SJ001 | N | N | <10 | 50 | 70 | <50 | N | N | 10 | 50 | N | <10 | N | 1,500 |
| 84SJ002 | N | N | 15 | 70 | 100 | <50 | N | N | 20 | 100 | N | 10 | N | 2,000 |
| 84SJ003 | N | N | 20 | 700 | 3,000 | N | N | N | 50 | 700 | N | <10 | 1,000 | 1,500 |
| 84SJ004 | N | N | 20 | 200 | 70 | N | N | N | 30 | 30 | N | 10 | 200 | 1,500 |
| 84SJ005 | N | N | 15 | 100 | 100 | N | N | N | 20 | 20 | N | 15 | 70 | 1,000 |
| 84SJ006 | N | N | 15 | 70 | 100 | <50 | N | N | 20 | 70 | N | <10 | N | 1,000 |
| 84SJ007 | N | N | 20 | 150 | 100 | N | N | N | 30 | <20 | N | 10 | N | 1,000 |
| 84SJ008 | N | N | 15 | 200 | 70 | N | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ009 | N | N | <10 | 50 | 70 | <50 | 15 | N | 20 | 20 | N | <10 | N | 1,500 |
| 84SJ010 | N | N | 10 | 50 | 50 | <50 | N | N | 20 | 20 | N | <10 | N | 1,500 |
| 84SJ011 | 300 | N | <10 | 30 | 1,500 | <50 | N | N | 20 | 15,000 | 200 | <10 | >2,000 | 10,000 |
| 84SJ012 | N | N | N | 100 | 20 | <50 | N | N | <10 | 100 | N | <10 | 1,000 | N |
| 84SJ013 | 200 | N | 15 | 50 | 5,000 | N | N | N | 20 | >50,000 | 1,500 | <10 | >2,000 | 700 |
| 84SJ014 | N | N | <10 | 70 | 1,500 | N | N | N | 20 | 2,000 | <200 | <10 | >2,000 | 500 |
| 84SJ015 | <20 | N | <10 | 200 | 500 | <50 | N | N | 20 | 10,000 | N | <10 | >2,000 | 300 |
| 84SJ016 | N | N | N | 50 | 50 | N | N | N | 10 | 70 | N | N | 70 | N |
| 84SJ017 | N | N | 10 | 50 | 70 | N | N | N | <10 | 3,000 | N | <10 | 2,000 | N |
| 84SJ018 | N | N | N | 50 | 1,500 | N | N | N | <10 | 100 | N | <10 | 300 | <200 |
| 84SJ019 | N | N | N | 50 | 15 | N | N | N | <10 | 30 | N | <10 | <20 | 10,000 |
| 84SJ020 | N | N | N | 50 | 150 | N | N | N | 10 | 15,000 | <200 | <10 | >2,000 | N |
| 84SJ021 | N | N | N | 50 | 70 | N | N | N | 10 | 500 | N | <10 | >2,000 | 300 |
| 84SJ022 | N | N | <10 | 150 | 30 | <50 | N | N | 10 | 50 | N | <10 | 50 | 500 |
| 84SJ023 | N | N | 10 | 70 | 50 | 50 | N | N | <10 | 200 | N | <10 | 1,500 | 1,000 |
| 84SJ024 | 70 | N | 10 | 70 | 50,000 | <50 | N | N | 10 | 20,000 | 1,000 | N | >2,000 | 1,000 |
| 84SJ025 | N | N | <10 | 70 | 300 | <50 | N | N | 10 | 700 | N | <10 | 300 | 2,000 |
| 84SJ026 | N | N | 15 | 100 | 7,000 | <50 | N | N | 20 | 1,000 | N | <10 | 100 | 700 |
| 84SJ027 | N | N | N | 50 | 20 | <50 | N | N | 10 | 30 | N | N | N | N |
| 84SJ028 | N | N | N | 50 | 20 | N | N | N | 10 | 30 | N | N | <20 | N |
| 84SJ029 | N | N | N | 70 | 15 | 50 | N | N | 10 | <20 | N | N | 30 | 300 |
| 84SJ030 | N | N | 70 | 300 | 200 | <50 | N | N | 70 | <20 | N | 7 | N | 700 |
| 84SJ031 | N | N | 50 | 150 | 100 | <50 | N | N | 30 | 100 | N | <10 | N | 200 |
| 84SJ032 | 30 | N | N | 70 | 300 | N | N | N | 15 | >50,000 | 300 | <10 | >2,000 | 1,000 |
| 84SJ033 | N | N | N | 70 | 10,000 | <50 | N | N | 10 | 7,000 | N | <10 | >2,000 | 1,000 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST097 | 150 | N | <20 | N | 200 | N |
| 83ST098 | 500 | N | <20 | N | 20 | N |
| 83ST099 | 150 | N | N | N | <20 | N |
| 83ST102S | 200 | N | 30 | N | 70 | N |
| 83ST103S | 200 | N | 50 | N | 300 | N |
| 83ST104S | 200 | N | 50 | N | 300 | N |
| 83ST105S | 300 | N | 50 | N | 70 | N |
| 83ST106S | 700 | N | 200 | N | 1,500 | N |
| 83ST108S | 150 | N | <20 | N | 2,000 | N |
| 83ST109S | 200 | N | 70 | N | 1,500 | N |
| 83ST110S | 300 | N | 50 | N | 70 | N |
| 83ST111S | 150 | N | <20 | N | 50 | N |
| 84SJ001 | 700 | N | 50 | N | 700 | N |
| 84SJ002 | 1,000 | N | 50 | N | 150 | N |
| 84SJ003 | 700 | N | 30 | N | 70 | N |
| 84SJ004 | 1,000 | N | 50 | N | 70 | N |
| 84SJ005 | 1,000 | N | 50 | N | 150 | N |
| 84SJ006 | 700 | N | 50 | N | 100 | N |
| 84SJ007 | 1,000 | N | 30 | N | 70 | N |
| 84SJ008 | 1,000 | N | 50 | N | 100 | N |
| 84SJ009 | 500 | N | 100 | N | 200 | N |
| 84SJ010 | 700 | N | 70 | N | 300 | N |
| 84SJ011 | 300 | N | 70 | N | 200 | N |
| 84SJ012 | 1,000 | N | 300 | N | >2,000 | N |
| 84SJ013 | 500 | N | 50 | N | 1,500 | N |
| 84SJ014 | 300 | N | 70 | N | 300 | N |
| 84SJ015 | 1,000 | N | 150 | N | 700 | N |
| 84SJ016 | 200 | N | N | N | 30 | N |
| 84SJ017 | 200 | N | 70 | N | >2,000 | N |
| 84SJ018 | 300 | N | 50 | N | 1,500 | N |
| 84SJ019 | 300 | N | 70 | N | 300 | N |
| 84SJ020 | 300 | N | 70 | N | 2,000 | N |
| 84SJ021 | 500 | N | 50 | N | 150 | N |
| 84SJ022 | 500 | N | 100 | N | 150 | N |
| 84SJ023 | 200 | N | 50 | N | 150 | N |
| 84SJ024 | 200 | N | 50 | 10,000 | 100 | N |
| 84SJ025 | 300 | N | 70 | N | 100 | N |
| 84SJ026 | 500 | N | 100 | N | 1,000 | N |
| 84SJ027 | 100 | N | 30 | N | 100 | N |
| 84SJ028 | 200 | N | 50 | N | 1,000 | N |
| 84SJ029 | 500 | N | 300 | N | 150 | N |
| 84SJ030 | 1,000 | N | 70 | N | 70 | N |
| 84SJ031 | 500 | N | 50 | 5,000 | 100 | N |
| 84SJ032 | 200 | N | 70 | N | 700 | N |
| 84SJ033 | 200 | N | 500 | N | 100 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ034 | 18 19 44 | 64 42 14 | .7 | .20 | .20 | >2.00 | 150 | N | N | N | 70 | 300 | N |
| 84SJ035 | 18 19 19 | 64 42 5 | 2.0 | .70 | .30 | 7.00 | 700 | N | N | N | N | 300 | <2 |
| 84SJ036 | 18 19 10 | 64 42 23 | 2.0 | .70 | .50 | 3.00 | 1,000 | N | N | N | N | 70 | N |
| 84SJ037 | 18 19 3 | 64 42 45 | 3.0 | .30 | 2.00 | 2.00 | 1,000 | N | N | N | 70 | 50 | N |
| 84SJ038 | 18 19 15 | 64 43 9 | 7.0 | .70 | 15.00 | 2.00 | 2,000 | N | N | N | 30 | 150 | <2 |
| 84SJ039 | 18 19 46 | 64 43 4 | 5.0 | .50 | 15.00 | .50 | 2,000 | N | N | N | 50 | 100 | <2 |
| 84SJ040 | 18 19 50 | 64 43 5 | 7.0 | 1.00 | 15.00 | 2.00 | 3,000 | N | N | N | 30 | 10,000 | N |
| 84SJ041 | 18 19 49 | 64 43 11 | 7.0 | .70 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | >10,000 | <2 |
| 84SJ042 | 18 19 39 | 64 43 20 | 7.0 | .70 | 10.00 | 2.00 | 2,000 | N | N | N | 50 | 5,000 | 2 |
| 84SJ043 | 18 19 32 | 64 43 18 | 7.0 | .70 | 10.00 | 2.00 | 3,000 | N | N | N | 30 | 150 | 2 |
| 84SJ044 | 18 19 24 | 64 44 4 | 10.0 | .50 | 7.00 | >2.00 | 1,500 | 3.0 | N | N | 70 | 300 | N |
| 84SJ045 | 18 19 24 | 64 43 50 | 5.0 | .30 | 10.00 | 1.00 | 1,500 | 2.0 | N | N | 50 | 300 | <2 |
| 84SJ046 | 18 19 26 | 64 43 44 | 7.0 | .70 | 10.00 | >2.00 | 1,500 | N | N | N | 50 | 200 | <2 |
| 84SJ048 | 18 19 39 | 64 45 57 | 2.0 | .70 | 7.00 | .20 | 700 | N | N | N | 20 | 150 | N |
| 84SJ049 | 18 19 44 | 64 45 48 | 7.0 | 1.00 | 15.00 | 1.00 | 2,000 | N | N | N | 100 | 300 | N |
| 84SJ050 | 18 19 35 | 64 45 30 | 10.0 | 1.00 | 15.00 | .70 | 2,000 | N | N | N | 100 | 300 | N |
| 84SJ051 | 18 19 29 | 64 45 27 | 10.0 | .70 | 7.00 | 2.00 | 1,500 | N | N | N | 70 | 7,000 | <2 |
| 84SJ053 | 18 20 27 | 64 45 32 | 7.0 | 1.50 | 15.00 | .70 | 1,500 | 700.0 | N | N | 70 | 500 | N |
| 84SJ054 | 18 20 29 | 64 45 34 | 3.0 | 1.00 | 7.00 | 1.00 | 1,000 | 5.0 | N | N | 50 | 300 | N |
| 84SJ055 | 18 20 19 | 64 45 36 | 7.0 | 1.00 | 15.00 | .70 | 2,000 | N | N | N | 70 | 300 | N |
| 84SJ056 | 18 20 21 | 64 45 41 | 7.0 | .70 | 10.00 | .30 | 1,500 | N | N | N | 70 | 300 | N |
| 84SJ057 | 18 20 7 | 64 45 42 | 5.0 | .50 | 10.00 | .30 | 1,500 | N | N | N | 100 | 500 | N |
| 84SJ058 | 18 20 4 | 64 45 51 | 7.0 | 1.00 | 15.00 | .70 | 2,000 | N | N | N | 50 | 300 | N |
| 84SJ059 | 18 19 22 | 64 46 48 | 5.0 | 1.50 | 15.00 | 2.00 | 1,500 | N | N | N | 70 | 5,000 | N |
| 84SJ070 | 18 20 39 | 64 46 18 | 3.0 | .70 | 10.00 | .30 | 1,500 | N | N | N | 70 | 500 | N |
| 84SJ071 | 18 20 32 | 64 46 7 | 10.0 | 1.50 | 15.00 | .50 | 2,000 | N | N | N | 50 | 200 | N |
| 84SJ072 | 18 20 43 | 64 45 40 | 5.0 | .70 | 10.00 | 1.50 | 1,000 | N | N | N | 70 | 700 | N |
| 84SJ073 | 18 20 20 | 64 46 22 | 5.0 | .70 | 20.00 | 2.00 | 1,000 | N | N | N | 70 | 300 | N |
| 84SJ074 | 18 20 9 | 64 46 13 | 3.0 | .50 | 7.00 | >2.00 | 1,500 | N | N | N | 50 | 70 | N |
| 84SJ075 | 18 20 5 | 64 46 16 | 7.0 | .70 | 10.00 | 2.00 | 1,500 | N | N | N | 70 | 200 | N |
| 84SJ076 | 18 20 4 | 64 46 37 | 10.0 | 1.50 | 15.00 | 1.50 | 1,500 | N | N | N | 70 | 500 | N |
| 84SJ077 | 18 20 7 | 64 46 36 | 5.0 | 1.50 | 15.00 | 2.00 | 1,500 | N | N | N | 70 | 150 | N |
| 84SJ078 | 18 19 47 | 64 46 40 | 7.0 | .50 | 15.00 | .70 | 1,000 | <1.0 | N | N | 70 | 200 | N |
| 84SJ079 | 18 20 10 | 64 47 27 | 10.0 | 1.50 | 10.00 | 1.00 | 2,000 | N | N | N | 200 | 100 | N |
| 84SJ081 | 18 20 50 | 64 44 31 | 3.0 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | 50 | 200 | N |
| 84SJ082 | 18 20 51 | 64 44 32 | 7.0 | 1.00 | 10.00 | 2.00 | 2,000 | 10.0 | N | N | 20 | 150 | N |
| 84SJ083 | 18 20 31 | 64 44 27 | 10.0 | 1.50 | 15.00 | 2.00 | 2,000 | N | N | N | 70 | 150 | N |
| 84SJ084 | 18 20 28 | 64 44 30 | 5.0 | .70 | 10.00 | .70 | 2,000 | N | N | N | 150 | 150 | <2 |
| 84SJ085 | 18 20 14 | 64 44 23 | 5.0 | .70 | 10.00 | 2.00 | 2,000 | N | N | N | 70 | 200 | <2 |
| 84SJ086 | 18 19 58 | 64 44 23 | 7.0 | .70 | 10.00 | >2.00 | 2,000 | <1.0 | N | N | 50 | 10,000 | <2 |
| 84SJ087 | 18 19 44 | 64 44 27 | 5.0 | .50 | 5.00 | 2.00 | 1,500 | N | N | N | 50 | 300 | N |
| 84SJ088 | 18 21 17 | 64 47 36 | 10.0 | 2.00 | 10.00 | 2.00 | 2,000 | N | N | N | 30 | 500 | N |
| 84SJ089 | 18 21 28 | 64 47 24 | 1.0 | .20 | 3.00 | >2.00 | 500 | 3.0 | N | N | 20 | 150 | N |
| 84SJ090 | 18 21 45 | 64 48 31 | 1.5 | 1.00 | 15.00 | >2.00 | 2,000 | N | N | N | 20 | 300 | N |
| 84SJ091 | 18 21 38 | 64 49 0 | 1.5 | .50 | 7.00 | >2.00 | 1,500 | N | N | N | 20 | 500 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ034 | N | N | N | 100 | 150 | N | N | N | <10 | 20 | N | <10 | N | N |
| 84SJ035 | N | N | N | 70 | 50 | <50 | N | N | <10 | <20 | N | N | N | N |
| 84SJ036 | N | N | N | 50 | 20 | N | N | N | 10 | <20 | N | N | N | N |
| 84SJ037 | N | N | N | 70 | <10 | N | N | N | <10 | 20 | N | <10 | N | N |
| 84SJ038 | 100 | N | <10 | 70 | 700 | N | N | N | 10 | 1,000 | 500 | <10 | >2,000 | 1,000 |
| 84SJ039 | N | N | N | 30 | <10 | N | N | N | 10 | 20 | N | <10 | 50 | 1,000 |
| 84SJ040 | N | N | N | 50 | 50 | <50 | N | N | 10 | 100 | N | <10 | 150 | 1,000 |
| 84SJ041 | N | N | N | 50 | 50 | <50 | N | N | 10 | 200 | N | <10 | N | 1,000 |
| 84SJ042 | N | N | N | 50 | 10 | <50 | N | N | 10 | 50 | N | <10 | 50 | 500 |
| 84SJ043 | N | N | N | 70 | 50 | 70 | N | N | 10 | 300 | <200 | 10 | >2,000 | 2,000 |
| 84SJ044 | N | N | <10 | 70 | 15 | 50 | N | N | <10 | 50 | N | <10 | <20 | 700 |
| 84SJ045 | N | N | N | 70 | 15 | <50 | N | N | <10 | 20 | N | <10 | N | 700 |
| 84SJ046 | N | N | N | 70 | 20 | <50 | N | N | 10 | 50 | N | <10 | 300 | 700 |
| 84SJ048 | N | N | 10 | 100 | 30 | N | N | N | 15 | <20 | N | N | N | N |
| 84SJ049 | N | N | 15 | 200 | 70 | N | N | N | 20 | 50 | N | 10 | 700 | 1,000 |
| 84SJ050 | N | N | 15 | 70 | 150 | N | N | N | 20 | 100 | N | 10 | >2,000 | 1,000 |
| 84SJ051 | N | N | 10 | 50 | 200 | <50 | N | N | 10 | 1,500 | N | <10 | 30 | 700 |
| 84SJ053 | N | N | 10 | 200 | 150 | N | N | N | 15 | 200 | N | <10 | 1,500 | 700 |
| 84SJ054 | 300 | N | 15 | 150 | 1,000 | <50 | N | N | 20 | 50,000 | 1,000 | <10 | >2,000 | 700 |
| 84SJ055 | N | N | 15 | 50 | 70 | N | N | N | 15 | 100 | N | <10 | 300 | 1,000 |
| 84SJ056 | N | N | 10 | 70 | 30 | N | N | N | 10 | 50 | N | <10 | 50 | 1,000 |
| 84SJ057 | N | N | 10 | 50 | 30 | N | N | N | <10 | 30 | N | N | N | 700 |
| 84SJ058 | N | N | 15 | 50 | 70 | N | N | N | 10 | 30 | N | <10 | N | 700 |
| 84SJ059 | N | N | <10 | 200 | 3,000 | <50 | N | N | 15 | 7,000 | N | <10 | 1,500 | 1,500 |
| 84SJ070 | N | N | <10 | 150 | 50 | N | N | N | <10 | 20 | N | <10 | N | 1,000 |
| 84SJ071 | N | N | 20 | 150 | 50 | N | N | N | 20 | 20 | N | 10 | N | 1,000 |
| 84SJ072 | 100 | N | 10 | 100 | 700 | N | N | N | <10 | 1,500 | 300 | <10 | >2,000 | 700 |
| 84SJ073 | <20 | N | 10 | 100 | 70 | <50 | N | N | 10 | 1,500 | N | <10 | >2,000 | 1,500 |
| 84SJ074 | N | N | N | 100 | 20 | 70 | N | N | 10 | 20 | N | <10 | N | 2,000 |
| 84SJ075 | N | N | N | 100 | 100 | <50 | N | N | <10 | 100 | N | <10 | >2,000 | 1,000 |
| 84SJ076 | 100 | N | <10 | 100 | 300 | <50 | N | N | <10 | 1,500 | N | 10 | >2,000 | 1,500 |
| 84SJ077 | N | N | N | 70 | 50 | N | N | N | <10 | 1,000 | N | <10 | 1,000 | 1,000 |
| 84SJ078 | 30 | N | <10 | 70 | 5,000 | <50 | N | N | <10 | 7,000 | 500 | N | >2,000 | 1,000 |
| 84SJ079 | N | N | 10 | 70 | 70 | N | N | N | 10 | 50 | N | <10 | 30 | 1,500 |
| 84SJ081 | N | N | N | 100 | 15 | N | N | N | 10 | <20 | N | N | N | <200 |
| 84SJ082 | 70 | N | 15 | 70 | 1,500 | <50 | N | N | 10 | 50,000 | N | <10 | >2,000 | 700 |
| 84SJ083 | N | N | 15 | 150 | 1,500 | N | N | N | 15 | 70 | N | <10 | N | 1,000 |
| 84SJ084 | N | N | N | 70 | 30 | <50 | N | N | <10 | 500 | N | <10 | 1,500 | 700 |
| 84SJ085 | N | N | N | 50 | 20 | <50 | N | N | 10 | <20 | N | <10 | N | 700 |
| 84SJ086 | <20 | N | N | 50 | 3,000 | <50 | N | N | 10 | 1,500 | 300 | <10 | >2,000 | 1,000 |
| 84SJ087 | N | N | N | 20 | 50 | N | N | N | <10 | 70 | N | N | 50 | 500 |
| 84SJ088 | N | N | 50 | 150 | 100 | <50 | N | N | 30 | 20 | N | 15 | N | 1,000 |
| 84SJ089 | N | N | N | 50 | <10 | N | N | N | <10 | <20 | N | N | N | N |
| 84SJ090 | N | N | 15 | 30 | 20 | <50 | N | N | 10 | 100 | N | <10 | 300 | 500 |
| 84SJ091 | N | N | 10 | 50 | 50 | <50 | N | N | <10 | <20 | N | N | N | 500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ034 | 500 | N | 20 | N | 150 | N |
| 84SJ035 | 100 | N | <20 | N | 100 | N |
| 84SJ036 | 70 | N | N | N | 70 | N |
| 84SJ037 | 1,000 | N | 30 | N | 1,000 | N |
| 84SJ038 | 200 | N | 70 | N | 150 | N |
| 84SJ039 | 150 | N | 70 | N | 100 | N |
| 84SJ040 | 300 | N | 70 | N | 150 | N |
| 84SJ041 | 200 | N | 70 | N | 100 | N |
| 84SJ042 | 150 | N | 100 | N | 1,000 | N |
| 84SJ043 | 200 | N | 100 | N | 70 | N |
| 84SJ044 | 300 | N | 100 | N | 300 | N |
| 84SJ045 | 200 | N | 70 | N | 100 | N |
| 84SJ046 | 300 | N | 100 | N | 500 | N |
| 84SJ048 | 100 | N | N | N | 70 | N |
| 84SJ049 | 700 | N | 50 | N | 70 | N |
| 84SJ050 | 1,000 | N | 50 | N | 70 | N |
| 84SJ051 | 300 | N | 50 | N | 150 | N |
| 84SJ053 | 500 | N | 70 | N | 700 | N |
| 84SJ054 | 500 | N | 30 | N | 1,000 | N |
| 84SJ055 | 700 | N | 50 | N | 70 | N |
| 84SJ056 | 300 | N | <20 | N | 70 | N |
| 84SJ057 | 300 | N | N | N | 70 | N |
| 84SJ058 | 500 | N | 20 | N | 100 | N |
| 84SJ059 | 300 | N | 50 | N | 300 | N |
| 84SJ070 | 300 | N | N | N | 1,000 | N |
| 84SJ071 | 700 | N | 30 | N | 70 | N |
| 84SJ072 | 500 | N | 20 | N | 2,000 | N |
| 84SJ073 | 300 | N | 50 | N | 100 | N |
| 84SJ074 | 300 | N | 50 | N | 200 | N |
| 84SJ075 | 500 | N | 50 | N | >2,000 | N |
| 84SJ076 | 1,500 | N | 50 | N | >2,000 | N |
| 84SJ077 | 700 | N | 30 | N | 1,500 | N |
| 84SJ078 | 300 | N | <20 | N | 2,000 | N |
| 84SJ079 | 700 | N | <20 | N | 1,000 | N |
| 84SJ081 | 300 | N | 70 | N | 700 | N |
| 84SJ082 | 300 | N | 70 | N | 150 | N |
| 84SJ083 | 700 | N | 70 | N | 300 | N |
| 84SJ084 | 150 | N | 50 | N | 150 | N |
| 84SJ085 | 200 | N | 50 | N | 100 | N |
| 84SJ086 | 300 | N | 70 | N | 150 | N |
| 84SJ087 | 200 | N | 50 | N | >2,000 | N |
| 84SJ088 | 1,500 | N | 70 | N | 300 | N |
| 84SJ089 | 300 | N | N | N | 20 | N |
| 84SJ090 | 1,000 | N | 300 | N | 500 | N |
| 84SJ091 | 500 | N | 100 | N | 500 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ092 | 18 21 41 | 64 49 16 | 3.0 | 1.50 | 20.00 | 2.00 | 1,000 | 10.0 | N | N | 20 | 2,000 | N |
| 84SJ093 | 18 21 43 | 64 49 31 | 5.0 | 1.50 | 20.00 | 2.00 | 2,000 | N | N | N | 70 | 300 | N |
| 84SJ094 | 18 22 9 | 64 48 25 | 5.0 | 15.00 | 15.00 | 2.00 | 1,500 | 10.0 | 500 | N | 30 | >10,000 | N |
| 84SJ095 | 18 21 55 | 64 48 12 | 2.0 | .70 | 5.00 | .50 | 700 | N | N | N | 20 | 1,000 | 2 |
| 84SJ096 | 18 22 18 | 64 45 26 | 2.0 | 1.00 | 15.00 | >2.00 | 1,500 | N | N | N | 30 | 1,500 | N |
| 84SJ097 | 18 22 13 | 64 44 55 | 7.0 | 1.00 | 15.00 | 1.50 | 2,000 | N | N | N | 500 | 1,500 | 2 |
| 84SJ098 | 18 22 21 | 64 44 20 | 5.0 | 1.00 | 10.00 | >2.00 | 1,000 | N | N | N | 30 | 700 | N |
| 84SJ099 | 18 22 3 | 64 43 5 | 2.0 | 1.50 | 20.00 | >2.00 | 1,500 | N | N | N | 50 | 5,000 | <2 |
| 84SJ100 | 18 21 44 | 64 42 32 | 2.0 | .70 | 7.00 | >2.00 | 1,500 | N | N | N | 30 | 500 | N |
| 84SJ101 | 18 20 58 | 64 41 11 | 10.0 | 5.00 | 15.00 | 2.00 | 3,000 | N | N | N | 20 | 50 | N |
| 84SJ102 | 18 20 49 | 64 41 27 | 10.0 | 3.00 | 15.00 | >2.00 | 3,000 | N | N | N | 20 | 70 | N |
| 84SJ103 | 18 20 18 | 64 40 6 | 30.0 | 5.00 | 7.00 | >2.00 | 3,000 | N | N | N | 50 | 700 | <2 |
| 84SJ104 | 18 20 44 | 64 40 10 | 15.0 | 5.00 | 10.00 | >2.00 | 5,000 | N | N | N | 30 | 300 | N |
| 84SJ105 | 18 21 48 | 64 41 43 | 15.0 | 5.00 | 15.00 | 1.00 | 5,000 | N | N | N | 100 | 200 | N |
| 84SJ106 | 18 18 59 | 64 43 15 | 7.0 | 1.50 | 15.00 | .50 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ107 | 18 18 40 | 64 42 36 | 10.0 | 1.50 | 10.00 | 1.00 | 1,500 | N | N | N | 50 | 300 | N |
| 84SJ108 | 18 18 22 | 64 42 13 | 7.0 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 70 | 300 | N |
| 84SJ109 | 18 19 8 | 64 41 21 | 1.0 | .20 | .70 | >2.00 | 300 | N | N | N | N | 70 | N |
| 84SJ110 | 18 19 43 | 64 39 5 | 1.5 | .10 | 2.00 | >2.00 | 200 | N | N | N | <20 | <50 | N |
| 84SJ200 | 18 20 46 | 64 44 59 | 7.0 | .70 | 15.00 | .70 | 1,500 | N | N | N | 30 | 200 | N |
| 84SJ201 | 18 20 47 | 64 44 56 | 10.0 | .70 | 15.00 | 2.00 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ202 | 18 20 40 | 64 44 52 | 7.0 | .50 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | <2 |
| 84SJ203 | 18 20 35 | 64 44 59 | 7.0 | 1.50 | 15.00 | .50 | 1,500 | N | N | N | 70 | 1,000 | N |
| 84SJ205 | 18 20 22 | 64 44 48 | 5.0 | .50 | 7.00 | 1.00 | 1,500 | N | N | N | 70 | 150 | <2 |
| 84SJ206 | 18 20 14 | 64 44 52 | 7.0 | .70 | 7.00 | .70 | 1,500 | N | N | N | 70 | 200 | <2 |
| 84SJ207 | 18 19 38 | 64 44 56 | 3.0 | .50 | 7.00 | 1.00 | 1,500 | N | N | N | 70 | 70 | <2 |
| 84SJ601 | 18 19 43 | 64 46 23 | 5.0 | .70 | 7.00 | .10 | 1,000 | N | N | N | 70 | 150 | N |
| 84SJ605 | 18 19 47 | 64 45 55 | 5.0 | .50 | 7.00 | .70 | 1,500 | N | N | N | 70 | 150 | <2 |
| 84SJ606 | 18 21 14 | 64 45 13 | 5.0 | 1.50 | 7.00 | .30 | 1,000 | N | N | N | 70 | 200 | N |
| 84SJ608 | 18 21 27 | 64 44 54 | 7.0 | 1.50 | 10.00 | 1.00 | 1,500 | N | N | N | 50 | 1,500 | N |
| 84SJ613 | 18 21 57 | 64 43 12 | 3.0 | 1.50 | 20.00 | .70 | 700 | N | N | N | 70 | 1,000 | N |
| 84SJ614 | 18 21 35 | 64 44 16 | 5.0 | 1.50 | 15.00 | .70 | 1,500 | N | N | N | 50 | 200 | N |
| 84SJ622 | 18 20 19 | 64 47 36 | 5.0 | 1.00 | 7.00 | .50 | 1,000 | N | N | N | 50 | <50 | N |
| 84SJ625 | 18 20 3 | 64 47 1 | 5.0 | .70 | 5.00 | .15 | 1,500 | N | N | N | N | 150 | N |
| 84SJ629 | 18 19 38 | 64 47 39 | 5.0 | .50 | 7.00 | .50 | 1,500 | N | N | N | 20 | <50 | N |
| 84SJ631 | 18 19 10 | 64 47 23 | 3.0 | <.05 | .10 | .30 | 50 | 5.0 | N | N | N | >10,000 | N |
| 84SJ639 | 18 20 44 | 64 45 57 | 5.0 | .70 | 7.00 | .15 | 1,000 | N | N | N | 100 | 700 | N |
| 84SJ641 | 18 19 12 | 64 45 33 | 7.0 | .70 | 1.50 | >2.00 | 700 | N | N | N | 30 | 1,500 | N |
| 84SJ646 | 18 20 18 | 64 40 29 | 5.0 | 1.00 | 10.00 | 2.00 | 2,000 | N | N | N | <20 | 500 | N |
| 84SJ649 | 18 21 17 | 64 41 13 | 20.0 | .50 | .70 | >2.00 | 7,000 | N | N | N | N | 3,000 | N |
| 84SJ653 | 18 21 14 | 64 42 22 | 3.0 | 2.00 | 7.00 | .50 | 2,000 | N | N | N | N | 500 | N |
| 84SJ655 | 18 19 44 | 64 46 55 | 3.0 | .70 | 7.00 | .15 | 1,000 | N | N | N | 70 | 50 | N |
| 84SJ657 | 18 19 50 | 64 47 47 | 1.5 | .50 | 7.00 | .07 | 700 | N | N | N | 50 | <50 | N |
| 84SJ658 | 18 19 44 | 64 46 51 | 5.0 | 1.00 | 7.00 | .15 | 700 | N | N | N | 70 | 70 | N |
| 84SJ659 | 18 19 40 | 64 46 37 | 3.0 | .70 | 7.00 | .15 | 700 | N | N | N | 100 | 500 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ092 | N | N | N | 50 | 50 | <50 | N | N | <10 | 20,000 | N | <10 | 1,000 | 2,000 |
| 84SJ093 | N | N | 10 | 50 | 20 | N | N | N | 10 | 700 | N | N | 50 | 700 |
| 84SJ094 | N | N | N | 1,000 | 70 | N | N | N | <10 | 10,000 | N | <10 | N | 3,000 |
| 84SJ095 | N | N | <10 | 30 | 50 | N | N | N | <10 | 20 | N | N | N | 1,000 |
| 84SJ096 | N | N | 10 | 30 | 30 | <50 | N | N | <10 | 30 | N | N | N | 500 |
| 84SJ097 | N | N | 10 | 70 | 500 | 50 | N | N | 10 | 30 | N | N | N | 1,000 |
| 84SJ098 | N | N | <10 | 70 | 15 | 50 | N | N | <10 | 20 | N | 10 | <20 | 200 |
| 84SJ099 | N | N | N | 200 | 10 | 70 | N | N | <10 | 20 | N | N | 300 | 200 |
| 84SJ100 | N | N | N | 100 | 100 | <50 | N | N | 10 | 1,000 | N | N | >2,000 | 300 |
| 84SJ101 | N | N | 20 | 500 | 50 | N | N | N | 20 | <20 | N | 10 | 50 | 700 |
| 84SJ102 | N | N | 20 | 500 | 50 | <50 | N | N | 30 | 100 | N | <10 | N | 700 |
| 84SJ103 | N | N | 70 | 500 | 300 | N | N | N | 100 | <20 | N | 10 | N | 500 |
| 84SJ104 | N | N | 20 | 500 | 200 | N | N | N | 100 | 20 | N | 10 | N | 1,000 |
| 84SJ105 | N | N | 20 | 500 | 100 | N | N | N | 30 | 20 | N | <10 | N | 500 |
| 84SJ106 | N | N | 10 | 100 | 50 | N | N | N | 20 | 20 | N | <10 | N | 1,000 |
| 84SJ107 | N | N | 10 | 150 | 50 | N | N | N | 20 | 20 | N | <10 | N | 700 |
| 84SJ108 | N | N | 20 | 70 | 30 | N | N | N | 20 | <20 | N | N | N | 300 |
| 84SJ109 | N | N | N | 50 | <10 | N | N | N | 10 | <20 | N | N | N | N |
| 84SJ110 | N | N | N | 70 | N | N | N | N | <10 | 50 | N | 10 | N | N |
| 84SJ200 | N | N | <10 | 50 | 70 | <50 | N | N | 10 | 1,500 | N | <10 | >2,000 | 700 |
| 84SJ201 | N | N | <10 | 70 | 15 | <50 | N | N | 10 | 30 | N | 10 | N | 1,500 |
| 84SJ202 | N | N | N | 50 | <10 | <50 | N | N | <10 | 50 | N | <10 | N | 700 |
| 84SJ203 | 30 | N | <10 | 100 | 700 | N | N | N | 10 | 700 | 1,000 | <10 | >2,000 | 700 |
| 84SJ205 | N | N | N | 50 | <10 | N | N | N | <10 | 20 | N | <10 | 300 | 700 |
| 84SJ206 | N | N | N | 50 | 15 | <50 | N | N | 10 | 20 | N | <10 | 100 | 700 |
| 84SJ207 | N | N | N | 70 | 20 | <50 | N | N | <10 | 70 | N | N | 1,500 | 300 |
| 84SJ601 | N | N | <10 | 70 | 30 | N | N | N | <10 | 100 | N | 15 | N | 700 |
| 84SJ605 | N | N | N | <20 | <10 | N | N | N | <10 | 20 | N | 20 | N | 700 |
| 84SJ606 | N | N | 15 | 30 | 70 | N | N | N | <10 | 300 | N | 30 | 2,000 | 700 |
| 84SJ608 | N | N | 15 | 20 | 70 | N | N | N | <10 | <20 | N | 20 | 200 | 700 |
| 84SJ613 | N | N | <10 | 500 | 70 | N | N | N | 30 | 1,500 | N | 15 | 300 | 1,000 |
| 84SJ614 | N | N | 10 | 70 | 70 | N | N | N | 20 | 20 | N | 15 | N | 700 |
| 84SJ622 | N | N | <10 | 50 | 70 | N | N | N | 20 | 20 | N | 10 | N | 1,000 |
| 84SJ625 | N | N | 20 | 20 | 70 | N | N | N | 15 | 20 | N | 15 | N | 1,000 |
| 84SJ629 | N | N | <10 | 50 | 70 | N | N | N | 10 | <20 | N | 20 | N | 700 |
| 84SJ631 | 20 | N | N | 50 | 150 | N | 50 | N | <10 | 300 | N | <10 | N | 7,000 |
| 84SJ639 | N | N | <10 | 30 | 20 | N | N | N | <10 | N | N | 15 | N | 700 |
| 84SJ641 | N | N | 10 | 50 | 70 | N | 100 | N | 15 | <20 | N | 30 | N | N |
| 84SJ646 | N | N | 20 | 150 | 700 | <50 | N | N | 20 | 10,000 | N | 50 | >2,000 | 2,000 |
| 84SJ649 | N | N | 100 | <20 | 50 | <50 | N | N | 20 | 50 | N | 70 | 30 | N |
| 84SJ653 | 30 | N | 15 | 70 | 70 | N | N | N | 20 | 100 | N | 30 | >2,000 | 300 |
| 84SJ655 | N | N | 15 | 30 | 70 | N | N | N | 15 | <20 | N | 10 | 30 | 1,000 |
| 84SJ657 | N | N | N | <20 | 50 | <50 | N | N | <10 | <20 | N | 10 | N | 700 |
| 84SJ658 | N | N | 10 | 100 | 70 | N | N | N | 15 | 20 | N | 20 | N | 1,000 |
| 84SJ659 | N | N | <10 | 70 | 20 | N | N | N | 15 | <20 | N | 10 | N | 1,000 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ092 | 700 | N | 30 | N | 700 | N |
| 84SJ093 | 300 | N | 20 | N | 100 | N |
| 84SJ094 | 3,000 | N | 70 | 700 | 150 | N |
| 84SJ095 | 150 | N | N | N | 200 | N |
| 84SJ096 | 500 | N | 150 | N | >2,000 | N |
| 84SJ097 | 300 | N | 50 | N | 700 | N |
| 84SJ098 | 500 | N | 300 | N | >2,000 | N |
| 84SJ099 | 1,500 | N | 300 | N | 2,000 | N |
| 84SJ100 | 500 | N | 200 | N | 300 | N |
| 84SJ101 | 1,000 | N | 50 | N | 150 | N |
| 84SJ102 | 1,000 | N | 50 | N | 200 | N |
| 84SJ103 | 1,000 | N | 70 | N | 100 | N |
| 84SJ104 | 1,000 | N | 70 | N | 200 | N |
| 84SJ105 | 1,000 | N | 50 | N | 30 | N |
| 84SJ106 | 700 | N | 30 | N | 70 | N |
| 84SJ107 | 700 | N | 30 | N | 100 | N |
| 84SJ108 | 500 | N | <20 | N | 70 | N |
| 84SJ109 | 150 | N | 50 | N | 500 | N |
| 84SJ110 | 300 | N | 1,500 | N | >2,000 | N |
| 84SJ200 | 500 | N | 20 | N | 200 | N |
| 84SJ201 | 500 | N | 100 | N | 150 | N |
| 84SJ202 | 200 | N | 50 | N | 150 | N |
| 84SJ203 | 500 | N | <20 | N | 150 | N |
| 84SJ205 | 150 | N | 50 | N | 150 | N |
| 84SJ206 | 300 | N | 50 | N | 100 | N |
| 84SJ207 | 200 | N | 50 | N | 500 | N |
| 84SJ601 | 300 | N | N | N | <20 | N |
| 84SJ605 | 70 | N | 100 | N | 150 | N |
| 84SJ606 | 500 | N | <20 | N | 50 | N |
| 84SJ608 | 500 | N | <20 | N | 30 | N |
| 84SJ613 | 500 | N | 30 | N | 70 | N |
| 84SJ614 | 500 | N | <20 | N | 70 | N |
| 84SJ622 | 500 | N | N | N | 70 | N |
| 84SJ625 | 500 | N | <20 | N | 70 | N |
| 84SJ629 | 700 | N | <20 | N | 70 | N |
| 84SJ631 | 70 | N | N | N | 50 | N |
| 84SJ639 | 200 | N | N | N | 50 | N |
| 84SJ641 | 300 | N | 150 | N | 200 | N |
| 84SJ646 | 300 | N | 200 | N | 70 | N |
| 84SJ649 | 700 | N | 500 | N | 100 | N |
| 84SJ653 | 300 | N | <20 | N | 30 | N |
| 84SJ655 | 500 | N | N | N | 20 | N |
| 84SJ657 | 150 | N | N | N | 20 | N |
| 84SJ658 | 500 | N | N | N | 50 | N |
| 84SJ659 | 300 | N | N | N | 30 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ660 | 18 19 47 | 64 46 37 | 3.0 | .70 | 7.00 | .15 | 700 | N | N | N | 70 | 300 | N |
| 84SJ665 | 18 21 25 | 64 43 27 | 7.0 | 1.00 | 10.00 | .30 | 1,500 | N | N | N | 50 | 50 | N |
| 84SJ668 | 18 20 59 | 64 44 35 | 3.0 | .70 | 10.00 | 1.50 | 700 | N | N | N | 50 | 100 | N |
| 84SJ670 | 18 20 49 | 64 44 21 | 3.0 | 1.00 | 3.00 | 2.00 | 5,000 | <1.0 | N | N | 70 | >10,000 | N |
| 84SJ673 | 18 20 29 | 64 44 2 | 7.0 | .30 | 7.00 | .70 | 1,000 | N | N | N | 70 | 1,500 | N |
| 84SJ676 | 18 20 11 | 64 43 39 | .7 | <.05 | .20 | .20 | 20 | 15.0 | N | N | 70 | >10,000 | N |
| 84SJ684 | 18 20 8 | 64 43 33 | 5.0 | .05 | .50 | .30 | 200 | 30.0 | N | N | N | >10,000 | N |
| 84SJ690 | 18 20 7 | 64 43 50 | 7.0 | .30 | 7.00 | .20 | 1,500 | N | N | N | 70 | 3,000 | <2 |
| 84SJ696 | 18 20 14 | 64 42 43 | 5.0 | .50 | 7.00 | .70 | 1,500 | N | N | N | 150 | 700 | N |
| 84SJ699 | 18 19 20 | 64 42 3 | 3.0 | .70 | 3.00 | >2.00 | 700 | N | N | N | 30 | 200 | N |
| 84SJ716 | 18 20 33 | 64 44 45 | 3.0 | .70 | 7.00 | .30 | 1,000 | N | N | N | 70 | 100 | N |
| 84SJ723 | 18 20 42 | 64 45 15 | 7.0 | 1.00 | 7.00 | 1.50 | 1,000 | N | N | N | 100 | 500 | N |
| 84SJ725 | 18 20 40 | 64 45 35 | 5.0 | .70 | 7.00 | .20 | 1,000 | <1.0 | N | N | 30 | 150 | N |
| 84SJ729 | 18 20 34 | 64 45 33 | 7.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | 300 | N |
| 84SJ733 | 18 20 40 | 64 45 25 | 7.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | 50 | N |
| 84SJ735 | 18 22 14 | 64 44 55 | 7.0 | .70 | 7.00 | 2.00 | 2,000 | N | N | N | 50 | 700 | N |
| 84SJ736 | 18 20 50 | 64 44 35 | 10.0 | 1.50 | 7.00 | 1.50 | 2,000 | N | N | N | 50 | 300 | N |
| 84SJ738 | 18 21 31 | 64 44 0 | 7.0 | 1.00 | 7.00 | .30 | 1,500 | N | N | N | 30 | <50 | N |
| 84SJ739 | 18 21 38 | 64 44 7 | 7.0 | .50 | 3.00 | 1.50 | 700 | 10.0 | N | N | 70 | >10,000 | N |
| 84SJ739 | 18 21 38 | 64 44 9 | 7.0 | .50 | 3.00 | 1.50 | 700 | 10.0 | N | N | 70 | >10,000 | N |
| 84SJ741 | 18 21 13 | 64 44 15 | 7.0 | 1.50 | 7.00 | 1.50 | 1,500 | N | N | N | 100 | 700 | N |
| 84SJ742 | 18 21 21 | 64 44 15 | 10.0 | 2.00 | 7.00 | 1.00 | 1,500 | N | N | N | 70 | 200 | N |
| 84SJ743 | 18 21 22 | 64 44 8 | 7.0 | 2.00 | 7.00 | 1.50 | 2,000 | N | N | N | 100 | 50 | N |
| 84SJ746 | 18 21 7 | 64 44 38 | 10.0 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | 70 | 500 | N |
| 84SC001 | 17 46 1 | 64 49 21 | 1.5 | .30 | 10.00 | .15 | 300 | N | N | N | 20 | 700 | <2 |
| 84SC002 | 17 46 17 | 64 48 37 | 2.0 | .50 | 15.00 | .50 | 700 | N | N | N | 30 | <50 | <2 |
| 84SC003 | 17 46 8 | 64 49 7 | 5.0 | 1.50 | 10.00 | .50 | 1,000 | N | N | N | 50 | 50 | N |
| 84SC004 | 17 45 54 | 64 49 44 | 7.0 | 1.50 | 20.00 | .70 | 2,000 | N | N | N | 50 | 150 | N |
| 84SC005 | 17 45 46 | 64 50 1 | 1.5 | .50 | 15.00 | .15 | 500 | N | N | N | 20 | 500 | <2 |
| 84SC006 | 17 45 11 | 64 49 47 | 5.0 | .70 | 10.00 | .50 | 1,000 | N | N | N | 50 | 150 | N |
| 84SC007 | 17 45 18 | 64 49 39 | 1.5 | .50 | 50.00 | .50 | 700 | N | N | N | <20 | 200 | N |
| 84SC008 | 17 45 1 | 64 49 19 | 2.0 | 1.00 | 10.00 | .15 | 700 | N | N | N | 30 | 500 | <2 |
| 84SC009 | 17 46 2 | 64 45 49 | 5.0 | .70 | 10.00 | 2.00 | 700 | N | N | N | 70 | 300 | N |
| 84SC010 | 17 46 17 | 64 45 40 | 7.0 | 1.50 | 10.00 | 2.00 | 700 | N | N | N | 70 | 150 | N |
| 84SC011 | 17 46 47 | 64 45 43 | 7.0 | 1.00 | 10.00 | .30 | 1,500 | N | N | N | 50 | 50 | N |
| 84SC012 | 17 46 39 | 64 46 10 | 7.0 | 1.00 | 10.00 | .30 | 1,500 | N | N | N | 70 | <50 | N |
| 84SC013 | 17 46 51 | 64 46 35 | 5.0 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 50 | 50 | N |
| 84SC014 | 17 46 23 | 64 47 30 | 7.0 | 1.50 | 7.00 | 1.00 | 1,500 | N | N | N | 50 | 70 | N |
| 84SC015 | 17 46 27 | 64 47 22 | 5.0 | 1.00 | 7.00 | .20 | 1,000 | N | N | N | 50 | 150 | N |
| 84SC016 | 17 46 33 | 64 47 20 | 3.0 | 1.00 | 7.00 | .30 | 1,500 | N | N | N | 50 | 100 | N |
| 84SC017 | 17 46 34 | 64 48 7 | 7.0 | 1.00 | 7.00 | .30 | 1,000 | N | N | N | 100 | <50 | N |
| 84SC018 | 17 46 39 | 64 47 39 | 5.0 | .70 | 7.00 | .30 | 1,000 | N | N | N | 50 | 3,000 | N |
| 84SC019 | 17 45 39 | 64 46 22 | 7.0 | 1.50 | 10.00 | .70 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC020 | 17 45 40 | 64 46 55 | 7.0 | 1.50 | 10.00 | .50 | 1,500 | N | N | N | 50 | 150 | N |
| 84SC021 | 17 45 38 | 64 46 59 | 3.0 | .30 | 7.00 | .70 | 700 | N | N | N | 70 | >10,000 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ660 | N | N | <10 | 50 | 50 | N | N | N | 15 | 100 | N | 15 | 300 | 1,000 |
| 84SJ665 | N | N | 20 | 70 | 100 | N | N | N | 20 | <20 | N | 50 | N | 1,000 |
| 84SJ668 | N | N | N | 70 | 50 | <50 | N | N | 15 | <20 | N | 20 | N | 700 |
| 84SJ670 | N | N | 30 | 50 | 70 | N | N | N | 15 | 300 | N | 15 | N | 1,500 |
| 84SJ673 | N | N | N | 20 | 1,500 | N | N | N | 10 | 50 | N | 15 | N | 700 |
| 84SJ676 | N | N | N | <20 | 70 | <50 | N | N | <10 | 150 | N | <10 | N | 1,000 |
| 84SJ684 | 30 | N | N | 20 | 500 | N | 150 | N | <10 | 300 | N | <10 | N | 2,000 |
| 84SJ690 | N | N | N | 20 | 20 | N | N | N | <10 | 50 | N | 10 | N | 700 |
| 84SJ696 | N | N | N | 30 | 100 | N | N | N | <10 | 70 | N | 20 | N | 1,000 |
| 84SJ699 | N | N | N | 50 | 1,500 | N | N | N | <10 | 1,000 | N | 20 | 150 | 300 |
| 84SJ716 | N | N | <10 | 50 | 50 | N | N | N | 15 | <20 | N | 20 | N | 700 |
| 84SJ723 | N | N | 20 | 50 | 50 | <50 | N | N | 15 | 30 | N | 70 | N | 1,000 |
| 84SJ725 | N | N | 15 | 50 | 70 | N | N | N | 10 | 20 | N | 30 | N | 700 |
| 84SJ729 | N | N | 15 | 100 | 70 | N | N | N | 15 | 20 | N | 50 | N | 1,000 |
| 84SJ733 | N | N | 15 | 70 | 70 | N | N | N | 10 | 20 | N | 50 | N | 1,000 |
| 84SJ735 | N | N | 15 | 70 | 70 | N | N | N | <10 | 100 | N | 15 | N | 200 |
| 84SJ736 | N | N | 20 | 500 | 100 | N | N | N | 20 | 300 | N | 20 | 1,500 | 1,000 |
| 84SJ738 | 20 | N | 20 | 500 | 100 | N | N | N | 15 | 1,000 | N | 20 | >2,000 | 500 |
| 84SJ739 | 30 | N | <10 | <20 | 300 | N | 100 | N | 10 | 1,500 | N | 15 | 70 | 700 |
| 84SJ739 | 30 | N | <10 | <20 | 300 | N | 100 | N | 10 | 1,500 | N | 15 | 70 | 700 |
| 84SJ741 | N | N | 20 | 150 | 50 | N | N | N | 20 | 50 | N | 30 | N | 700 |
| 84SJ742 | N | N | 20 | 300 | 70 | N | N | N | 70 | 20 | N | 50 | N | 700 |
| 84SJ743 | N | N | 20 | 500 | 70 | N | N | N | 100 | <20 | N | 50 | N | 700 |
| 84SJ746 | N | N | 30 | 1,000 | 70 | <50 | N | N | 30 | 70 | N | 50 | 300 | 1,500 |
| 84SC001 | N | N | N | 20 | 30 | 70 | N | N | <10 | 100 | N | N | N | 1,000 |
| 84SC002 | N | N | N | 50 | 15 | <50 | N | N | <10 | <20 | N | 10 | 70 | <200 |
| 84SC003 | N | N | 20 | 100 | 70 | N | N | N | 20 | 50 | N | 30 | 150 | 1,500 |
| 84SC004 | N | N | 20 | 70 | 70 | <50 | N | N | 15 | <20 | N | 30 | N | 700 |
| 84SC005 | N | N | N | 20 | 30 | 700 | N | N | N | <20 | N | N | 50 | 1,000 |
| 84SC006 | N | N | 20 | 30 | 20 | N | N | N | 10 | <20 | N | 20 | N | 1,500 |
| 84SC007 | N | N | N | <20 | 30 | 1,000 | N | N | N | <20 | N | N | N | 1,000 |
| 84SC008 | N | N | 15 | 100 | 50 | 50 | N | N | 15 | <20 | N | 10 | N | 1,000 |
| 84SC009 | N | N | 15 | 200 | 30 | 100 | N | <50 | <10 | 100 | N | 30 | N | 1,500 |
| 84SC010 | N | N | 20 | 500 | 20 | 70 | N | <50 | 30 | 200 | N | 50 | N | 1,000 |
| 84SC011 | N | N | 20 | 50 | 30 | <50 | N | N | 10 | N | N | 50 | N | 2,000 |
| 84SC012 | N | N | 20 | 100 | 70 | N | N | N | 15 | 200 | N | 30 | 150 | 2,000 |
| 84SC013 | N | N | 15 | 200 | 20 | <50 | N | N | 15 | 20 | N | 30 | N | 1,500 |
| 84SC014 | N | N | 10 | 200 | 70 | <50 | N | N | 15 | 300 | N | 50 | >2,000 | 1,500 |
| 84SC015 | N | N | 15 | 200 | 15 | N | N | N | 15 | 20 | N | 20 | N | 1,500 |
| 84SC016 | N | N | <10 | 200 | 50 | <50 | N | N | 15 | 70 | N | 20 | 300 | 1,000 |
| 84SC017 | N | N | 15 | 150 | 30 | N | N | N | 15 | 20 | N | 30 | 200 | 1,500 |
| 84SC018 | N | N | 15 | 50 | 20 | N | N | N | 10 | 100 | N | 20 | 20 | 1,000 |
| 84SC019 | N | N | 15 | 500 | 30 | 50 | N | N | 20 | 300 | N | 50 | 300 | 1,500 |
| 84SC020 | N | N | 20 | 150 | 50 | N | N | N | 20 | 150 | N | 30 | 1,000 | 1,500 |
| 84SC021 | N | N | N | 50 | 20 | <50 | N | N | N | 30 | N | 20 | 300 | 2,000 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ660 | 300 | N | N | N | 70 | N |
| 84SJ665 | 700 | N | 20 | N | 30 | N |
| 84SJ668 | 200 | N | 200 | N | 20 | N |
| 84SJ670 | 150 | N | 30 | N | 70 | N |
| 84SJ673 | 150 | N | 100 | N | 100 | N |
| 84SJ676 | 70 | N | 30 | N | 20 | N |
| 84SJ684 | 150 | N | <20 | N | 70 | N |
| 84SJ690 | 300 | N | 30 | N | 70 | N |
| 84SJ696 | 200 | N | 50 | 500 | 70 | N |
| 84SJ699 | 200 | N | 700 | N | 200 | N |
| 84SJ716 | 300 | N | <20 | N | <20 | N |
| 84SJ723 | 700 | N | 50 | N | 100 | N |
| 84SJ725 | 500 | N | <20 | N | 70 | N |
| 84SJ729 | 700 | N | 20 | N | 300 | N |
| 84SJ733 | 700 | N | 30 | N | 70 | N |
| 84SJ735 | 300 | N | 70 | N | 1,000 | N |
| 84SJ736 | 500 | N | 50 | N | 70 | N |
| 84SJ738 | 500 | N | <20 | N | 50 | N |
| 84SJ739 | 300 | N | 20 | <500 | 70 | N |
| 84SJ739 | 300 | N | 20 | <500 | 70 | N |
| 84SJ741 | 500 | N | 50 | N | 70 | N |
| 84SJ742 | 700 | N | 20 | <500 | 50 | N |
| 84SJ743 | 500 | N | 50 | N | 70 | N |
| 84SJ746 | 500 | N | 100 | N | 150 | N |
| 84SC001 | 70 | N | 100 | N | 1,500 | N |
| 84SC002 | 200 | N | <20 | N | 200 | N |
| 84SC003 | 500 | N | <20 | N | 50 | N |
| 84SC004 | 500 | N | 30 | N | 100 | N |
| 84SC005 | 100 | N | 300 | N | >2,000 | N |
| 84SC006 | 500 | N | 30 | N | 1,000 | N |
| 84SC007 | 100 | N | 500 | N | >2,000 | N |
| 84SC008 | 150 | N | 50 | N | 70 | N |
| 84SC009 | 500 | N | 200 | N | >2,000 | N |
| 84SC010 | 500 | N | 150 | N | >2,000 | N |
| 84SC011 | 300 | N | <20 | N | 100 | N |
| 84SC012 | 500 | N | 20 | N | 50 | N |
| 84SC013 | 200 | N | <20 | N | 70 | N |
| 84SC014 | 500 | N | <20 | N | 100 | N |
| 84SC015 | 300 | N | <20 | N | 70 | N |
| 84SC016 | 300 | N | <20 | N | 70 | N |
| 84SC017 | 500 | N | 20 | N | 70 | N |
| 84SC018 | 300 | N | <20 | N | 70 | N |
| 84SC019 | 500 | N | 70 | N | >2,000 | N |
| 84SC020 | 500 | N | N | N | 70 | N |
| 84SC021 | 300 | N | 50 | N | >2,000 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC022 | 17 45 37 | 64 47 42 | 5.0 | .70 | 10.00 | .50 | 1,000 | 3.0 | N | N | 50 | 300 | N |
| 84SC023 | 17 45 50 | 64 47 57 | 5.0 | 2.00 | 10.00 | .70 | 1,000 | N | N | N | 50 | 500 | N |
| 84SC024 | 17 44 48 | 64 48 54 | 1.0 | .70 | 3.00 | 1.50 | 500 | N | N | N | 50 | 1,000 | N |
| 84SC025 | 17 45 54 | 64 46 7 | 5.0 | 1.50 | 10.00 | .50 | 1,000 | N | N | N | 100 | 70 | N |
| 84SC026 | 17 44 1 | 64 48 55 | 5.0 | 1.00 | 20.00 | 1.50 | 1,500 | N | N | N | 70 | 700 | N |
| 84SC028 | 17 44 59 | 64 47 37 | 5.0 | .70 | 15.00 | >2.00 | 1,000 | N | N | N | 70 | 5,000 | N |
| 84SC029 | 17 45 16 | 64 47 16 | 5.0 | 1.50 | 15.00 | 1.50 | 1,000 | N | N | N | 100 | 200 | N |
| 84SC029 | 17 44 17 | 64 48 26 | 5.0 | 1.50 | 15.00 | 1.50 | 1,000 | N | N | N | 100 | 200 | N |
| 84SC030 | 17 44 23 | 64 49 0 | 7.0 | 1.50 | 15.00 | .50 | 1,500 | N | N | N | 70 | 150 | N |
| 84SC031 | 17 44 50 | 64 48 35 | 2.0 | .70 | 10.00 | 1.00 | 500 | N | N | N | 70 | 500 | <2 |
| 84SC033 | 17 45 10 | 64 48 37 | 5.0 | 1.50 | 20.00 | 2.00 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC040 | 17 45 47 | 64 52 20 | 5.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC041 | 17 45 46 | 64 52 23 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 50 | 50 | N |
| 84SC042 | 17 46 14 | 64 52 28 | 3.0 | 1.00 | 7.00 | .70 | 1,000 | N | N | N | 70 | 500 | <2 |
| 84SC043 | 17 45 50 | 64 53 4 | 3.0 | .70 | 7.00 | >2.00 | 700 | <1.0 | N | N | 300 | >10,000 | <2 |
| 84SC044 | 17 45 2 | 64 53 28 | 7.0 | 1.50 | 7.00 | >2.00 | 1,000 | N | N | N | 150 | 2,000 | <2 |
| 84SC045 | 17 44 28 | 64 53 2 | 2.0 | .70 | 7.00 | 1.00 | 700 | 100.0 | N | N | 30 | 2,000 | <2 |
| 84SC046 | 17 44 49 | 64 52 36 | 2.0 | .50 | 10.00 | 2.00 | 1,000 | N | N | N | 70 | 100 | <2 |
| 84SC047 | 17 44 53 | 64 52 6 | 2.0 | .50 | 10.00 | .50 | 1,000 | 200.0 | N | N | 50 | 300 | <2 |
| 84SC048 | 17 45 0 | 64 52 8 | 3.0 | .50 | 5.00 | .50 | 700 | 7.0 | N | N | 50 | >10,000 | N |
| 84SC049 | 17 45 3 | 64 51 42 | 3.0 | .50 | 7.00 | .70 | 700 | N | N | N | 50 | 300 | N |
| 84SC050 | 17 45 0 | 64 51 43 | 3.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 50 | 50 | N |
| 84SC051 | 17 43 47 | 64 52 38 | 2.0 | .50 | 7.00 | >2.00 | 700 | N | N | N | 100 | 300 | N |
| 84SC052 | 17 43 50 | 64 51 59 | 3.0 | .50 | 5.00 | >2.00 | 700 | 1.5 | N | N | 70 | 150 | N |
| 84SC053 | 17 43 53 | 64 51 51 | 5.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 70 | 100 | N |
| 84SC054 | 17 44 21 | 64 51 41 | 2.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 70 | 150 | N |
| 84SC055 | 17 44 24 | 64 51 38 | 3.0 | .50 | 7.00 | .30 | 1,000 | N | N | N | 70 | 50 | N |
| 84SC056 | 17 44 29 | 64 51 40 | 3.0 | .70 | 7.00 | .30 | 1,000 | <1.0 | N | N | 70 | <50 | N |
| 84SC057 | 17 44 5 | 64 51 24 | 5.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 100 | 150 | N |
| 84SC058 | 17 44 26 | 64 51 12 | 5.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | 150 | N |
| 84SC059 | 17 44 32 | 64 50 53 | 5.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 50 | 100 | N |
| 84SC060 | 17 44 21 | 64 50 19 | 5.0 | 1.00 | 7.00 | .50 | 1,000 | N | N | N | 30 | 70 | N |
| 84SC061 | 17 44 7 | 64 50 2 | 7.0 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 150 | N |
| 84SC062 | 17 44 3 | 64 49 38 | 5.0 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 200 | N |
| 84SC063 | 17 43 26 | 64 52 0 | 5.0 | 1.00 | 7.00 | .50 | 1,500 | N | N | N | 100 | 200 | N |
| 84SC064 | 17 42 43 | 64 52 0 | 5.0 | 1.00 | 7.00 | 1.50 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC065 | 17 42 55 | 64 51 38 | 5.0 | 5.00 | 15.00 | 2.00 | 700 | N | N | N | 70 | 5,000 | N |
| 84SC066 | 17 42 51 | 64 51 4 | 7.0 | 1.50 | 7.00 | .70 | 700 | N | N | N | 70 | 150 | N |
| 84SC067 | 17 43 4 | 64 51 12 | 3.0 | 1.50 | 7.00 | .70 | 1,000 | N | N | N | 100 | 100 | N |
| 84SC068 | 17 43 4 | 64 50 40 | 5.0 | .70 | 7.00 | .30 | 1,000 | N | N | N | 100 | 700 | N |
| 84SC069 | 17 43 6 | 64 49 58 | 5.0 | 1.00 | 7.00 | .50 | 1,000 | N | N | N | 100 | 200 | N |
| 84SC070 | 17 43 55 | 64 49 21 | 7.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 50 | 5,000 | N |
| 84SC071 | 17 45 34 | 64 45 50 | 3.0 | .30 | 10.00 | >2.00 | 700 | N | N | N | 30 | 300 | N |
| 84SC072 | 17 46 6 | 64 45 24 | 3.0 | .30 | 10.00 | >2.00 | 1,000 | N | N | N | 70 | 500 | N |
| 84SC148 | 17 45 38 | 64 48 50 | 2.0 | 2.00 | 10.00 | .15 | 1,000 | N | N | N | 20 | 300 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC022 | N | N | 20 | 200 | 2,000 | <50 | N | N | 15 | 2,000 | N | 30 | >2,000 | 1,000 |
| 84SC023 | 1,000 | N | 20 | 1,500 | 700 | <50 | N | N | 70 | 2,000 | N | 70 | >2,000 | 700 |
| 84SC024 | N | N | 15 | 70 | 20 | <50 | N | N | 15 | 20 | N | 15 | N | 1,000 |
| 84SC025 | N | N | 15 | 200 | 500 | <50 | N | N | 15 | 5,000 | N | 30 | 30 | 1,000 |
| 84SC026 | N | N | 10 | 150 | 70 | 100 | N | N | 15 | 300 | <200 | 30 | 2,000 | 700 |
| 84SC028 | N | N | 10 | 300 | 30 | 70 | N | <50 | 30 | 200 | N | 30 | 2,000 | 700 |
| 84SC029 | N | N | 15 | 500 | 300 | 50 | N | N | 30 | 1,000 | N | 30 | 500 | 700 |
| 84SC029 | N | N | 15 | 500 | 300 | 50 | N | N | 30 | 1,000 | N | 30 | 500 | 700 |
| 84SC030 | N | N | 15 | 150 | 500 | <50 | N | N | 15 | 2,000 | N | 30 | >2,000 | 700 |
| 84SC031 | N | N | <10 | 70 | 100 | 70 | N | N | 20 | 1,500 | N | 15 | >2,000 | 700 |
| 84SC033 | N | N | 15 | 500 | 30 | 500 | N | N | 50 | 50 | N | 50 | 100 | 700 |
| 84SC040 | N | N | 10 | 50 | 50 | <50 | N | N | 15 | 150 | N | 30 | 1,500 | 700 |
| 84SC041 | N | N | <10 | 50 | 50 | 50 | N | N | 15 | 70 | N | 30 | 300 | 1,000 |
| 84SC042 | N | N | 10 | 300 | 15 | 50 | N | N | 20 | 30 | N | 50 | N | 700 |
| 84SC043 | N | N | <10 | 300 | 5,000 | 70 | N | N | 100 | 10,000 | 300 | 50 | >2,000 | 1,500 |
| 84SC044 | N | N | 30 | 1,500 | 30 | 70 | N | N | 300 | 500 | N | 70 | >2,000 | 700 |
| 84SC045 | N | N | <10 | 300 | 30 | 50 | N | N | 30 | >50,000 | 700 | 15 | >2,000 | 700 |
| 84SC046 | N | N | N | 100 | 50 | 50 | N | N | 15 | 300 | N | 70 | >2,000 | 2,000 |
| 84SC047 | 30 | N | <10 | 50 | 500 | 50 | N | N | 15 | >50,000 | 700 | 15 | >2,000 | 3,000 |
| 84SC048 | 50 | N | 10 | 70 | 10,000 | N | N | N | 30 | 50,000 | 500 | 15 | >2,000 | 1,500 |
| 84SC049 | N | N | <10 | 30 | 200 | <50 | N | N | 10 | 500 | N | 15 | 1,500 | 700 |
| 84SC050 | N | N | N | 30 | 15 | <50 | N | N | <10 | 70 | N | 10 | 200 | 700 |
| 84SC051 | N | N | <10 | 100 | 70 | 50 | N | N | 20 | 1,000 | <200 | 100 | 2,000 | 1,000 |
| 84SC052 | 30 | N | <10 | 100 | 70 | 50 | N | N | 10 | 2,000 | <200 | 100 | >2,000 | 1,500 |
| 84SC053 | N | N | N | 50 | 20 | 50 | N | N | 15 | 50 | N | 30 | 100 | 1,000 |
| 84SC054 | <20 | N | N | 20 | 50 | 50 | N | N | 10 | 1,500 | N | 15 | >2,000 | 2,000 |
| 84SC055 | N | N | <10 | 20 | 50 | <50 | N | N | 15 | 200 | N | 15 | 1,500 | 700 |
| 84SC056 | N | N | <10 | <20 | 300 | <50 | N | N | 20 | 2,000 | <200 | 15 | >2,000 | 700 |
| 84SC057 | N | N | <10 | <20 | 70 | <50 | N | N | 15 | 200 | N | 20 | 1,500 | 1,000 |
| 84SC058 | N | N | <10 | 30 | 50 | 50 | N | N | <10 | 2,000 | <200 | 20 | >2,000 | 1,000 |
| 84SC059 | N | N | <10 | 50 | 20 | <50 | N | N | 10 | 200 | N | 15 | 50 | 700 |
| 84SC060 | N | N | 15 | 70 | 30 | N | 10 | N | 30 | 50 | N | 20 | 500 | 700 |
| 84SC061 | N | N | 15 | 70 | 30 | <50 | N | N | 15 | 20 | N | 30 | 100 | 1,000 |
| 84SC062 | N | N | 15 | 70 | 50 | <50 | 10 | N | 30 | 1,000 | N | 30 | 700 | 1,000 |
| 84SC063 | N | N | 15 | 150 | 70 | <50 | N | N | 15 | <20 | N | 30 | N | 1,000 |
| 84SC064 | <20 | N | 10 | 150 | 100 | <50 | N | N | 15 | 300 | N | 30 | >2,000 | 700 |
| 84SC065 | N | N | 15 | 2,000 | 1,000 | 70 | N | N | 150 | 5,000 | N | 100 | 700 | 1,000 |
| 84SC066 | 30 | N | 30 | 300 | 3,000 | 50 | N | N | 50 | 3,000 | 500 | 20 | >2,000 | 1,000 |
| 84SC067 | N | N | 10 | 300 | 30 | 50 | N | N | 30 | 30,000 | N | 70 | 1,000 | 700 |
| 84SC068 | N | N | 10 | 70 | 2,000 | <50 | N | N | <10 | 5,000 | N | 15 | >2,000 | 1,000 |
| 84SC069 | N | N | 15 | 70 | 50 | <50 | N | N | 10 | 300 | N | 20 | 2,000 | 1,000 |
| 84SC070 | N | N | 15 | 30 | 50 | N | N | N | 50 | 1,500 | N | 15 | 300 | 700 |
| 84SC071 | N | N | N | 20 | 20 | 200 | N | <50 | <10 | 300 | N | 20 | 2,000 | 700 |
| 84SC072 | N | N | N | 50 | 10 | 300 | N | <50 | N | 200 | N | 15 | 500 | 700 |
| 84SC148 | N | N | <10 | 70 | 70 | <50 | N | N | 10 | N | N | 15 | N | 500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC022 | 300 | N | 30 | N | 2,000 | N |
| 84SC023 | 300 | N | 30 | N | >2,000 | N |
| 84SC024 | 70 | N | N | N | 500 | N |
| 84SC025 | 300 | N | 30 | 700 | 500 | N |
| 84SC026 | 300 | N | 200 | N | >2,000 | N |
| 84SC028 | 500 | N | 200 | N | >2,000 | N |
| 84SC029 | 500 | N | 50 | N | 300 | N |
| 84SC029 | 500 | N | 50 | N | 300 | N |
| 84SC030 | 500 | N | 20 | N | 300 | N |
| 84SC031 | 150 | N | 70 | N | >2,000 | N |
| 84SC033 | 300 | N | 500 | N | >2,000 | N |
| 84SC040 | 300 | N | <20 | N | 70 | N |
| 84SC041 | 200 | N | <20 | N | 70 | N |
| 84SC042 | 300 | N | 50 | N | 100 | N |
| 84SC043 | 300 | N | 100 | N | >2,000 | N |
| 84SC044 | 500 | N | 70 | N | >2,000 | N |
| 84SC045 | 200 | N | 30 | N | 50 | N |
| 84SC046 | 200 | N | 70 | N | 50 | N |
| 84SC047 | 150 | N | 50 | N | 700 | N |
| 84SC048 | 200 | N | 30 | 2,000 | 300 | N |
| 84SC049 | 200 | N | 30 | N | 200 | N |
| 84SC050 | 150 | N | 20 | N | 2,000 | N |
| 84SC051 | 500 | N | 70 | N | 1,500 | N |
| 84SC052 | 500 | N | 100 | N | 1,000 | N |
| 84SC053 | 500 | N | 30 | N | 1,000 | N |
| 84SC054 | 200 | N | <20 | N | 300 | N |
| 84SC055 | 300 | N | <20 | N | 300 | N |
| 84SC056 | 300 | N | <20 | N | 150 | N |
| 84SC057 | 300 | N | 20 | N | 500 | N |
| 84SC058 | 300 | N | 30 | N | 1,500 | N |
| 84SC059 | 200 | N | 30 | N | 70 | N |
| 84SC060 | 300 | N | 20 | N | 50 | N |
| 84SC061 | 500 | N | 30 | N | 70 | N |
| 84SC062 | 500 | N | 30 | N | 100 | N |
| 84SC063 | 300 | N | 30 | N | 70 | N |
| 84SC064 | 300 | N | 50 | N | >2,000 | N |
| 84SC065 | 500 | N | 150 | N | >2,000 | N |
| 84SC066 | 300 | N | 50 | N | >2,000 | N |
| 84SC067 | 200 | N | 150 | N | >2,000 | N |
| 84SC068 | 200 | N | 20 | N | 2,000 | N |
| 84SC069 | 300 | N | 20 | N | 70 | N |
| 84SC070 | 150 | N | 20 | N | 500 | N |
| 84SC071 | 300 | N | 300 | N | >2,000 | N |
| 84SC072 | 500 | N | 500 | N | >2,000 | N |
| 84SC148 | 200 | N | 50 | N | 20 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC154 | 17 47 26 | 64 37 32 | 1.5 | .50 | 20.00 | .70 | 500 | N | N | N | 70 | 5,000 | N |
| 84SC156 | 17 47 12 | 64 37 10 | 3.0 | 7.00 | 15.00 | .30 | 700 | N | N | N | <20 | 7,000 | N |
| 84SC200 | 17 45 20 | 64 34 6 | 3.0 | 5.00 | 15.00 | .70 | 1,000 | N | N | N | 200 | 10,000 | N |
| 84SC201 | 17 45 31 | 64 34 22 | 5.0 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 1,000 | 1,500 | N |
| 84SC202 | 17 45 36 | 64 34 31 | 7.0 | 1.50 | 5.00 | .30 | 1,500 | N | N | N | 1,000 | 10,000 | N |
| 84SC203 | 17 45 34 | 64 34 39 | 5.0 | 5.00 | 10.00 | 1.00 | 1,000 | <1.0 | N | N | 1,000 | 700 | <2 |
| 84SC204 | 17 45 38 | 64 34 48 | 5.0 | .70 | 7.00 | .30 | 1,500 | N | N | N | 50 | 10,000 | N |
| 84SC205 | 17 45 18 | 64 35 1 | 5.0 | 2.00 | 7.00 | .70 | 1,500 | N | N | N | 300 | 700 | N |
| 84SC206 | 17 45 13 | 64 35 33 | 5.0 | 1.00 | 5.00 | .70 | 1,000 | 7.0 | N | N | 100 | 300 | N |
| 84SC207 | 17 44 48 | 64 36 25 | 5.0 | 1.00 | 7.00 | .30 | 1,500 | N | N | N | 100 | 500 | N |
| 84SC208 | 17 45 12 | 64 34 20 | 5.0 | 5.00 | 10.00 | 1.00 | 1,500 | N | N | N | 300 | 300 | N |
| 84SC209 | 17 45 0 | 64 34 35 | 5.0 | 5.00 | 10.00 | .70 | 1,000 | N | N | N | 150 | 300 | N |
| 84SC210 | 17 45 1 | 64 34 53 | 5.0 | 3.00 | 7.00 | 1.00 | 1,000 | N | N | N | 70 | 500 | <2 |
| 84SC212 | 17 44 36 | 64 36 37 | 5.0 | 1.00 | 7.00 | 1.00 | 1,500 | N | N | N | 100 | 300 | N |
| 84SC213 | 17 44 17 | 64 37 7 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 150 | 700 | <2 |
| 84SC214 | 17 44 6 | 64 37 24 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 150 | 300 | <2 |
| 84SC215 | 17 44 1 | 64 37 38 | 5.0 | .70 | 7.00 | .20 | 1,500 | N | N | N | 50 | 1,000 | N |
| 84SC216 | 17 45 41 | 64 39 12 | 3.0 | .50 | 10.00 | 1.00 | 700 | <1.0 | N | N | 30 | 300 | <2 |
| 84SC218 | 17 45 1 | 64 38 17 | 3.0 | .50 | 7.00 | 2.00 | 700 | N | N | N | 100 | 500 | N |
| 84SC219 | 17 45 24 | 64 37 38 | 3.0 | .50 | 7.00 | .50 | 1,500 | N | N | N | 70 | 5,000 | <2 |
| 84SC220 | 17 45 5 | 64 37 40 | 3.0 | .50 | 7.00 | 1.50 | 1,000 | N | N | N | 100 | 500 | N |
| 84SC221 | 17 44 56 | 64 37 33 | 3.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 100 | 5,000 | <2 |
| 84SC222 | 17 44 57 | 64 37 15 | 5.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 70 | 500 | N |
| 84SC223 | 17 44 57 | 64 36 46 | 5.0 | 1.50 | 7.00 | 2.00 | 1,000 | N | N | N | 100 | 300 | N |
| 84SC224 | 17 45 14 | 64 36 23 | 3.0 | .30 | 7.00 | .50 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SC225 | 17 44 33 | 64 38 59 | 3.0 | .50 | 10.00 | .70 | 1,000 | N | N | N | 100 | 300 | N |
| 84SC226 | 17 44 13 | 64 38 39 | 3.0 | 1.00 | 10.00 | 1.50 | 1,000 | N | N | N | 100 | 500 | N |
| 84SC227 | 17 44 20 | 64 36 56 | 5.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 150 | 500 | N |
| 84SC229 | 17 44 10 | 64 38 0 | 5.0 | .70 | 7.00 | 1.50 | 700 | 1.0 | N | N | 70 | 700 | N |
| 84SC231 | 17 44 12 | 64 39 3 | 3.0 | .70 | 7.00 | 2.00 | 700 | N | N | N | 70 | 10,000 | N |
| 84SC233 | 17 44 50 | 64 38 53 | 3.0 | .50 | 10.00 | .70 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SC234 | 17 44 48 | 64 38 51 | 2.0 | .30 | 7.00 | .70 | 1,000 | 5,000.0 | N | N | 100 | 500 | N |
| 84SC235 | 17 45 3 | 64 39 3 | 3.0 | .70 | 10.00 | .50 | 1,000 | 3.0 | N | N | 70 | 300 | <2 |
| 84SC236 | 17 45 6 | 64 40 4 | 3.0 | .70 | 10.00 | 1.00 | 1,000 | N | N | N | 70 | 700 | <2 |
| 84SC239 | 17 43 59 | 64 41 30 | 5.0 | .70 | 10.00 | 1.00 | 1,500 | N | N | N | 200 | 500 | <2 |
| 84SC240 | 17 44 5 | 64 41 17 | 5.0 | .70 | 15.00 | 1.50 | 2,000 | N | N | N | 200 | 300 | <2 |
| 84SC240 | 17 44 5 | 64 41 19 | 5.0 | .70 | 15.00 | 1.50 | 2,000 | N | N | N | 200 | 300 | <2 |
| 84SC241 | 17 43 10 | 64 41 27 | 7.0 | .70 | 10.00 | 1.00 | 1,000 | N | N | N | 150 | 1,000 | <2 |
| 84SC242 | 17 43 13 | 64 40 42 | 5.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 100 | 500 | <2 |
| 84SC243 | 17 43 22 | 64 41 42 | 5.0 | .70 | 7.00 | 1.50 | 1,500 | N | N | N | 150 | 500 | <2 |
| 84SC244 | 17 43 8 | 64 41 14 | 3.0 | .50 | 7.00 | .70 | 1,500 | N | N | N | 150 | 3,000 | <2 |
| 84SC245 | 17 43 46 | 64 40 10 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 70 | 700 | 2 |
| 84SC246 | 17 44 37 | 64 40 29 | 5.0 | 1.00 | 15.00 | 1.50 | 1,000 | N | N | N | 100 | 300 | <2 |
| 84SC247 | 17 44 30 | 64 40 53 | 7.0 | .50 | 10.00 | .70 | 1,500 | N | N | N | 70 | 700 | <2 |
| 84SC248 | 17 44 34 | 64 40 47 | 5.0 | .70 | 10.00 | 1.50 | 1,500 | N | N | N | 100 | 700 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC154 | N | N | N | 150 | 20 | N | N | N | <10 | <20 | N | <10 | N | 7,000 |
| 84SC156 | N | N | 20 | 2,000 | 15 | N | N | N | 70 | <20 | N | 100 | 30 | 500 |
| 84SC200 | N | N | 20 | 2,000 | 1,500 | <50 | N | N | 100 | 50 | N | 100 | 30 | 700 |
| 84SC201 | N | N | 15 | 150 | 30 | N | N | N | 20 | 20 | N | 20 | N | 1,000 |
| 84SC202 | N | N | 15 | 150 | 50 | N | N | N | 70 | 30 | N | 20 | N | 2,000 |
| 84SC203 | N | N | 20 | 3,000 | 70 | <50 | N | N | 150 | 15,000 | N | 70 | 700 | 500 |
| 84SC204 | N | N | N | 50 | 50 | N | N | N | 10 | 200 | N | 15 | 1,500 | 1,500 |
| 84SC205 | N | N | 10 | 500 | 20 | <50 | N | N | 50 | 70 | N | 20 | N | 1,500 |
| 84SC206 | 30 | N | <10 | 1,000 | 50 | N | N | N | 30 | 50,000 | N | 30 | 2,000 | 1,000 |
| 84SC207 | N | N | <10 | 70 | 50 | N | N | N | 30 | 50 | N | 15 | N | 2,000 |
| 84SC208 | N | N | 20 | 1,500 | 30 | N | N | N | 100 | 20 | N | 50 | <20 | 700 |
| 84SC209 | N | N | 15 | 1,500 | 30 | <50 | N | N | 100 | <20 | N | 50 | <20 | 700 |
| 84SC210 | N | N | 15 | 1,000 | 50 | <50 | N | N | 50 | <20 | N | 50 | <20 | 700 |
| 84SC212 | N | N | 10 | 1,000 | 30 | N | N | N | 15 | 300 | N | 15 | 150 | 2,000 |
| 84SC213 | N | N | <10 | 100 | 50 | <50 | N | N | 20 | 100 | N | 10 | 100 | 1,000 |
| 84SC214 | N | N | 15 | 100 | 70 | <50 | N | N | 20 | 200 | N | 15 | 2,000 | 1,000 |
| 84SC215 | N | N | N | 30 | 50 | <50 | N | N | 10 | <20 | N | 20 | N | 700 |
| 84SC216 | N | N | N | 100 | 500 | 50 | N | N | 15 | 1,000 | N | <10 | 500 | 1,500 |
| 84SC218 | N | N | 10 | 70 | 700 | <50 | N | N | 10 | 1,500 | N | 30 | >2,000 | 1,000 |
| 84SC219 | N | N | 10 | 70 | 700 | <50 | N | N | 10 | 1,000 | N | 15 | 2,000 | 1,000 |
| 84SC220 | N | N | N | 100 | 70 | <50 | N | N | 20 | <20 | N | 20 | 30 | 1,000 |
| 84SC221 | N | N | <10 | 70 | 50 | <50 | N | N | 20 | 20 | N | 15 | N | 1,500 |
| 84SC222 | N | N | <10 | 50 | 50 | <50 | N | N | 20 | 30 | N | 15 | 100 | 1,000 |
| 84SC223 | N | N | 15 | 500 | 30 | N | N | N | 50 | <20 | N | 20 | N | 1,000 |
| 84SC224 | N | N | 15 | 70 | 50 | <50 | N | N | 15 | 20 | N | 10 | N | 1,000 |
| 84SC225 | N | N | 10 | 50 | 20 | N | N | N | 10 | 50 | N | 10 | N | 1,500 |
| 84SC226 | N | N | <10 | 200 | 50 | 50 | N | N | 15 | 20 | N | 15 | 2,000 | 700 |
| 84SC227 | N | N | <10 | 30 | 50 | N | N | N | <10 | <20 | N | 15 | N | 1,000 |
| 84SC229 | 150 | N | 15 | 150 | 200 | 50 | N | N | 15 | 2,000 | 700 | 20 | >2,000 | 1,500 |
| 84SC231 | N | N | N | 100 | 70 | 70 | N | <50 | 20 | 50 | N | 15 | 200 | 1,000 |
| 84SC233 | N | N | 15 | 100 | 50 | 50 | N | N | 50 | 20 | N | 20 | 200 | 1,000 |
| 84SC234 | N | N | N | 30 | 70 | <50 | N | N | 10 | 150 | N | 10 | 300 | 1,000 |
| 84SC235 | 20 | N | 15 | 150 | 70 | <50 | N | N | 70 | 500 | N | 10 | 2,000 | 1,000 |
| 84SC236 | N | N | 20 | 100 | 50 | 50 | N | N | 70 | 50 | N | <10 | 200 | 2,000 |
| 84SC239 | N | N | 10 | 50 | 50 | <50 | N | N | 10 | 1,500 | N | 20 | 150 | 1,500 |
| 84SC240 | N | N | 15 | 70 | 50 | 50 | N | N | 50 | 70 | N | 20 | 50 | 2,000 |
| 84SC240 | N | N | 15 | 70 | 50 | 50 | N | N | 50 | 70 | N | 20 | 50 | 2,000 |
| 84SC241 | N | N | 10 | 50 | 50 | 50 | N | N | 20 | 30 | N | 20 | N | 1,500 |
| 84SC242 | N | N | 10 | 70 | 70 | <50 | N | N | 30 | 30 | N | 20 | 100 | 1,500 |
| 84SC243 | N | N | 15 | 200 | 50 | 50 | N | N | 50 | 500 | N | 20 | 200 | 1,500 |
| 84SC244 | N | N | <10 | 20 | 30 | <50 | N | N | 10 | 50 | N | 15 | N | 1,500 |
| 84SC245 | N | N | 15 | 50 | 50 | 70 | N | N | 20 | 50 | N | 15 | 30 | 1,500 |
| 84SC246 | N | N | 10 | 300 | 50 | 50 | N | N | 70 | 20 | N | 20 | N | 1,000 |
| 84SC247 | N | N | 10 | 30 | 70 | <50 | N | N | 20 | 20 | N | 20 | 150 | 1,500 |
| 84SC248 | N | N | 10 | 150 | 50 | 50 | N | N | 50 | 50 | N | 20 | 100 | 1,500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC154 | 100 | N | <20 | N | 2,000 | N |
| 84SC156 | 150 | N | N | N | 50 | N |
| 84SC200 | 150 | N | <20 | N | 1,500 | N |
| 84SC201 | 200 | N | N | N | 50 | N |
| 84SC202 | 300 | N | N | N | 150 | N |
| 84SC203 | 300 | N | 30 | N | >2,000 | N |
| 84SC204 | 300 | N | <20 | 700 | 70 | N |
| 84SC205 | 300 | N | 20 | N | 100 | N |
| 84SC206 | 300 | N | <20 | N | 100 | N |
| 84SC207 | 200 | N | N | N | 30 | N |
| 84SC208 | 300 | N | 30 | N | 100 | N |
| 84SC209 | 200 | N | 20 | N | 200 | N |
| 84SC210 | 300 | N | 30 | N | 300 | N |
| 84SC212 | 300 | N | 20 | N | 70 | N |
| 84SC213 | 200 | N | 20 | N | 500 | N |
| 84SC214 | 500 | N | 30 | N | 70 | N |
| 84SC215 | 300 | N | N | N | 70 | N |
| 84SC216 | 200 | N | 20 | N | 700 | N |
| 84SC218 | 300 | N | 50 | N | 150 | N |
| 84SC219 | 200 | N | <20 | N | 2,000 | N |
| 84SC220 | 300 | N | 20 | N | 200 | N |
| 84SC221 | 300 | N | <20 | N | 100 | N |
| 84SC222 | 300 | N | <20 | N | 200 | N |
| 84SC223 | 300 | N | 30 | N | 700 | N |
| 84SC224 | 200 | N | <20 | N | 500 | N |
| 84SC225 | 200 | N | <20 | N | 500 | N |
| 84SC226 | 300 | N | 30 | N | 300 | N |
| 84SC227 | 300 | N | <20 | N | 100 | N |
| 84SC229 | 300 | N | 50 | N | 300 | N |
| 84SC231 | 500 | N | 100 | N | 1,000 | N |
| 84SC233 | 500 | N | 20 | N | 100 | N |
| 84SC234 | 200 | N | N | N | 70 | N |
| 84SC235 | 300 | N | <20 | N | 70 | N |
| 84SC236 | 200 | N | 30 | N | 200 | N |
| 84SC239 | 700 | N | 20 | N | 150 | N |
| 84SC240 | 500 | N | 30 | N | 700 | N |
| 84SC240 | 500 | N | 30 | N | 700 | N |
| 84SC241 | 700 | N | 30 | N | 100 | N |
| 84SC242 | 700 | N | 30 | N | 300 | N |
| 84SC243 | 500 | N | 30 | N | 1,000 | N |
| 84SC244 | 300 | N | 30 | N | 300 | N |
| 84SC245 | 500 | N | 20 | N | 100 | N |
| 84SC246 | 700 | N | 50 | N | 100 | N |
| 84SC247 | 500 | N | <20 | N | 100 | N |
| 84SC248 | 500 | N | 30 | N | 500 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC249 | 17 45 31 | 64 40 19 | 3.0 | .70 | 15.00 | .70 | 1,000 | N | N | N | 50 | 300 | <2 |
| 84SC251 | 17 44 26 | 64 41 39 | 5.0 | .70 | 10.00 | .70 | 1,500 | N | N | N | 100 | 700 | <2 |
| 84SC252 | 17 44 28 | 64 41 47 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 100 | 700 | <2 |
| 84SC253 | 17 44 43 | 64 42 2 | 5.0 | .70 | 7.00 | .50 | 1,500 | N | N | N | 70 | 3,000 | <2 |
| 84SC254 | 17 44 27 | 64 42 4 | 5.0 | .50 | 7.00 | .70 | 1,000 | <1.0 | N | N | 150 | 500 | <2 |
| 84SC255 | 17 44 17 | 64 42 37 | 5.0 | .70 | 7.00 | .70 | 700 | N | N | N | 100 | 500 | <2 |
| 84SC256 | 17 43 54 | 64 42 19 | 5.0 | .50 | 7.00 | .70 | 1,000 | N | N | N | 100 | 500 | N |
| 84SC257 | 17 43 25 | 64 42 4 | 3.0 | 1.00 | 7.00 | .70 | 1,000 | N | N | N | 150 | >10,000 | 2 |
| 84SC258 | 17 43 30 | 64 42 13 | 5.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 200 | 10,000 | <2 |
| 84SC263 | 17 46 9 | 64 44 59 | 5.0 | .50 | 7.00 | >2.00 | 1,500 | N | N | N | 50 | 150 | N |
| 84SC280 | 17 42 35 | 64 50 40 | 3.0 | .30 | 5.00 | .30 | 300 | N | N | N | 30 | >10,000 | N |
| 84SC281 | 17 41 34 | 64 49 27 | 5.0 | .70 | 20.00 | 1.50 | 1,000 | N | N | N | 30 | 1,500 | N |
| 84SC282 | 17 41 53 | 64 49 47 | 3.0 | .70 | 20.00 | .30 | 1,000 | N | N | N | 50 | 300 | <2 |
| 84SC283 | 17 42 30 | 64 49 47 | 5.0 | .70 | 7.00 | .70 | 1,000 | <1.0 | N | N | 70 | 300 | N |
| 84SC284 | 17 42 38 | 64 50 13 | 5.0 | 1.00 | 7.00 | .50 | 1,500 | N | N | N | 100 | 1,000 | N |
| 84SC285 | 17 45 23 | 64 41 35 | 7.0 | .20 | .70 | .30 | 300 | N | N | N | 30 | >10,000 | <2 |
| 84SC286 | 17 44 24 | 64 40 13 | 10.0 | .50 | 7.00 | 1.00 | 1,000 | N | N | N | 30 | 1,500 | <2 |
| 84SC287 | 17 43 12 | 64 41 40 | 3.0 | .15 | 1.00 | 2.00 | 2,000 | N | N | N | 20 | >10,000 | N |
| 84SC288 | 17 43 26 | 64 41 44 | 7.0 | .70 | 7.00 | 2.00 | 2,000 | N | N | N | 70 | 500 | <2 |
| 84SC289 | 17 43 38 | 64 41 42 | 30.0 | .50 | 1.00 | 1.00 | 1,500 | N | N | N | 50 | 1,000 | <2 |
| 84SC290 | 17 43 41 | 64 41 36 | 15.0 | .70 | 3.00 | 2.00 | 1,500 | N | N | N | 70 | 2,000 | N |
| 84SC291 | 17 43 49 | 64 41 30 | 15.0 | .70 | 7.00 | 1.00 | 1,500 | N | N | N | 500 | 1,500 | <2 |
| 84SC293 | 17 44 25 | 64 41 31 | 5.0 | .50 | 7.00 | .70 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SC294 | 17 44 39 | 64 41 46 | 7.0 | .50 | 7.00 | 1.50 | 2,000 | N | N | N | 70 | 700 | <2 |
| 84SC295 | 17 44 32 | 64 41 47 | 10.0 | .70 | 7.00 | 2.00 | 1,500 | N | N | N | 70 | 700 | <2 |
| 84SC297 | 17 44 8 | 64 41 40 | 7.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 200 | 500 | <2 |
| 84SC299 | 17 45 45 | 64 51 2 | 5.0 | .70 | 7.00 | .50 | 1,500 | N | N | N | 70 | 300 | N |
| 84SC300 | 17 45 42 | 64 50 41 | 7.0 | 1.00 | 10.00 | .50 | 1,500 | N | N | N | 50 | 300 | N |
| 84SC034S | 17 45 10 | 64 51 13 | 3.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 100 | 150 | <2 |
| 84SC035S | 17 45 18 | 64 50 46 | 7.0 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 50 | 300 | N |
| 84SC036S | 17 45 8 | 64 50 24 | 2.0 | .30 | 20.00 | .30 | 1,500 | N | N | N | 70 | N | 2 |
| 84SC037S | 17 44 47 | 64 50 5 | 5.0 | .50 | 7.00 | .30 | 1,000 | N | N | N | 50 | 300 | N |
| 84SC038S | 17 45 36 | 64 50 21 | 1.5 | .20 | 15.00 | .30 | 700 | N | N | N | 50 | 150 | <2 |
| 84SC074S | 17 45 17 | 64 46 9 | 5.0 | .70 | 15.00 | 2.00 | 1,000 | N | N | N | 50 | 500 | N |
| 84SC075S | 17 44 54 | 64 46 26 | 5.0 | .70 | 15.00 | 1.50 | 700 | N | N | N | 100 | 150 | N |
| 84SC076S | 17 44 46 | 64 46 52 | 5.0 | .50 | 10.00 | 1.50 | 1,000 | N | N | N | 70 | 3,000 | N |
| 84SC077S | 17 44 37 | 64 47 18 | 5.0 | .50 | 15.00 | >2.00 | 1,000 | N | N | N | 50 | >10,000 | N |
| 84SC078S | 17 44 29 | 64 47 46 | 2.0 | .50 | 10.00 | 1.00 | 500 | N | N | N | 30 | 5,000 | N |
| 84SC079S | 17 44 19 | 64 46 38 | 3.0 | .70 | 15.00 | 1.50 | 1,000 | N | N | N | 70 | 500 | N |
| 84SC080S | 17 44 10 | 64 47 2 | 3.0 | .70 | 20.00 | .50 | 1,000 | 7.0 | N | N | 50 | 150 | N |
| 84SC081S | 17 44 3 | 64 47 28 | 5.0 | .70 | 15.00 | >2.00 | 1,000 | N | N | N | 100 | 500 | N |
| 84SC082S | 17 43 59 | 64 46 1 | 3.0 | .70 | 15.00 | 1.00 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC083S | 17 44 21 | 64 45 54 | 3.0 | .70 | 20.00 | .15 | 1,000 | N | N | N | 100 | 300 | N |
| 84SC084S | 17 44 46 | 64 46 3 | 3.0 | .70 | 15.00 | .50 | 1,000 | N | N | N | 50 | 300 | N |
| 84SC085S | 17 45 14 | 64 45 16 | 3.0 | .70 | 15.00 | .70 | 1,000 | N | N | N | 50 | 300 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC249 | N | N | 10 | 300 | 50 | 50 | N | N | 70 | 100 | N | 10 | 500 | 1,500 |
| 84SC251 | N | N | 10 | 30 | 50 | 50 | N | N | 10 | 70 | N | 15 | N | 1,500 |
| 84SC252 | N | N | 10 | 50 | 200 | <50 | N | N | 10 | 30 | N | 15 | N | 1,000 |
| 84SC253 | N | N | 10 | 20 | 70 | 50 | N | N | 10 | 1,000 | N | 15 | 500 | 1,500 |
| 84SC254 | N | N | <10 | 20 | 500 | <50 | N | N | 10 | 10,000 | N | 15 | >2,000 | 1,500 |
| 84SC255 | N | N | <10 | 20 | 70 | <50 | N | N | 10 | 150 | N | 15 | 30 | 1,000 |
| 84SC256 | N | N | 10 | 70 | 50 | <50 | N | N | 10 | 300 | N | 20 | 1,000 | 1,500 |
| 84SC257 | N | N | 15 | 200 | 70 | 50 | N | N | 20 | 5,000 | N | 15 | >2,000 | 2,000 |
| 84SC258 | N | N | <10 | 70 | 70 | 50 | N | N | 10 | 1,000 | N | 20 | 2,000 | 1,500 |
| 84SC263 | N | N | N | 30 | 50 | 100 | N | <50 | 20 | 500 | N | <10 | 500 | 700 |
| 84SC280 | N | N | <10 | 100 | 50 | <50 | N | N | 10 | 1,500 | N | <10 | 300 | >10,000 |
| 84SC281 | N | N | 10 | 700 | 50 | N | 10 | N | 0 | 500 | N | 20 | 1,000 | 1,500 |
| 84SC282 | N | N | <10 | 70 | 50 | 50 | N | N | <10 | 7,000 | N | 15 | 1,000 | 1,500 |
| 84SC283 | <20 | N | 15 | 200 | 1,000 | N | N | N | 10 | 5,000 | 300 | 20 | >2,000 | 1,000 |
| 84SC284 | N | N | 15 | 70 | 70 | N | N | N | 20 | 2,000 | N | 15 | 100 | 1,000 |
| 84SC285 | N | N | 20 | 1,000 | 100 | N | N | N | 200 | 70 | N | <10 | 70 | 1,000 |
| 84SC286 | N | N | 30 | 150 | 200 | 70 | N | N | 200 | 70 | N | 10 | 30 | 700 |
| 84SC287 | N | N | N | 100 | 70 | <50 | N | N | <10 | 2,000 | N | <10 | 2,000 | >10,000 |
| 84SC288 | N | N | <10 | 7,000 | 70 | <50 | N | N | 50 | 2,000 | N | 10 | 2,000 | 700 |
| 84SC289 | N | N | 50 | 300 | 300 | N | N | N | 70 | 150 | N | 10 | 30 | 200 |
| 84SC290 | N | N | 70 | 200 | 500 | N | <10 | <50 | 100 | 100 | N | 10 | 300 | 700 |
| 84SC291 | N | N | 50 | 150 | 500 | N | 30 | N | 100 | 70 | N | 15 | 20 | 1,000 |
| 84SC293 | N | N | 15 | 50 | 70 | 50 | N | N | 10 | 50 | N | 20 | N | 1,000 |
| 84SC294 | N | N | 30 | 30 | 70 | <50 | N | N | 10 | 50 | N | 20 | 100 | 1,000 |
| 84SC295 | N | N | 20 | 100 | 100 | N | N | N | 10 | 30 | N | 30 | N | 1,000 |
| 84SC297 | N | N | 20 | 500 | 100 | <50 | N | N | 50 | 50 | N | 20 | N | 2,000 |
| 84SC299 | N | N | 10 | 20 | 50 | <50 | N | N | <10 | 20 | N | 20 | N | 700 |
| 84SC300 | N | N | 20 | 20 | 100 | <50 | N | N | 10 | 20 | N | 20 | N | 700 |
| 84SC034S | N | N | <10 | 30 | 30 | <50 | N | N | <10 | 300 | N | 15 | 300 | 700 |
| 84SC035S | N | N | 15 | 20 | 30 | <50 | N | N | 15 | 20 | N | 30 | N | 1,000 |
| 84SC036S | N | N | <10 | 70 | 20 | <50 | N | N | 10 | 30 | N | 10 | 20 | N |
| 84SC037S | N | N | <10 | 20 | 70 | <50 | N | N | 10 | 200 | N | 20 | >2,000 | 700 |
| 84SC038S | N | N | N | 20 | 30 | <50 | N | N | 10 | <20 | N | 15 | N | 500 |
| 84SC074S | N | N | N | 150 | 150 | 70 | N | N | 20 | 1,500 | N | 15 | 1,500 | 700 |
| 84SC075S | N | N | 10 | 70 | 50 | 50 | N | N | 15 | 1,000 | N | 20 | 1,500 | 700 |
| 84SC076S | N | N | <10 | 70 | 50 | 50 | N | N | 10 | 70 | N | 20 | 1,000 | 700 |
| 84SC077S | N | N | N | 200 | 30 | 70 | N | N | 15 | 70 | N | 30 | 500 | 700 |
| 84SC078S | N | N | N | 70 | 20 | 100 | N | N | N | 20 | N | <10 | N | 1,000 |
| 84SC079S | N | N | <10 | 100 | 2,000 | 50 | N | N | 20 | 300 | N | 20 | 2,000 | 700 |
| 84SC080S | 70 | N | N | 70 | 700 | 50 | N | N | 10 | 10,000 | 1,000 | 20 | >2,000 | 700 |
| 84SC081S | N | N | <10 | 150 | 70 | 70 | N | N | 20 | 100 | N | 15 | 500 | 700 |
| 84SC082S | N | N | N | 70 | 20 | 50 | N | N | N | 500 | N | 20 | 1,500 | 700 |
| 84SC083S | N | N | N | <20 | 50 | N | N | N | N | N | N | <10 | N | 1,000 |
| 84SC084S | N | N | N | 20 | 100 | N | N | N | 20 | 1,500 | N | 15 | >2,000 | 1,000 |
| 84SC085S | N | N | <10 | 50 | 70 | <50 | N | N | 20 | 2,000 | N | 15 | 2,000 | 700 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC249 | 300 | N | N | N | 150 | N |
| 84SC251 | 500 | N | 20 | N | 100 | N |
| 84SC252 | 500 | N | <20 | N | 100 | N |
| 84SC253 | 500 | N | 20 | N | 100 | N |
| 84SC254 | 500 | N | <20 | N | 70 | N |
| 84SC255 | 300 | N | 20 | N | 100 | N |
| 84SC256 | 500 | N | <20 | N | 100 | N |
| 84SC257 | 500 | N | 30 | N | 700 | N |
| 84SC258 | 300 | N | 30 | N | 700 | N |
| 84SC263 | 500 | N | 300 | N | >2,000 | N |
| 84SC280 | 200 | N | N | N | 200 | N |
| 84SC281 | 200 | N | 50 | N | >2,000 | N |
| 84SC282 | 300 | N | <20 | N | 500 | N |
| 84SC283 | 700 | N | 50 | N | >2,000 | N |
| 84SC284 | 500 | N | <20 | N | 150 | N |
| 84SC285 | 500 | N | N | 1,000 | 1,000 | N |
| 84SC286 | 700 | N | 50 | N | 700 | N |
| 84SC287 | 150 | N | N | 1,500 | 500 | N |
| 84SC288 | 300 | N | 50 | 1,500 | 150 | N |
| 84SC289 | 300 | N | 20 | 15,000 | 500 | N |
| 84SC290 | 700 | N | 30 | N | 1,000 | N |
| 84SC291 | 700 | N | 30 | N | 300 | N |
| 84SC293 | 500 | N | 20 | N | 150 | N |
| 84SC294 | 700 | N | 20 | N | 100 | N |
| 84SC295 | 700 | N | 30 | N | 150 | N |
| 84SC297 | 500 | N | 20 | N | 1,000 | N |
| 84SC299 | 500 | N | <20 | N | 70 | N |
| 84SC300 | 500 | N | N | N | 70 | N |
| 84SC034S | 200 | N | 20 | N | 70 | N |
| 84SC035S | 200 | N | 20 | N | 70 | N |
| 84SC036S | 300 | N | N | N | 1,000 | N |
| 84SC037S | 300 | N | 30 | N | 1,000 | N |
| 84SC038S | 150 | N | <20 | N | 30 | N |
| 84SC074S | 300 | N | 150 | N | >2,000 | N |
| 84SC075S | 500 | N | 100 | N | >2,000 | N |
| 84SC076S | 500 | N | 100 | N | >2,000 | N |
| 84SC077S | 700 | N | 500 | N | >2,000 | N |
| 84SC078S | 150 | N | 200 | N | >2,000 | N |
| 84SC079S | 500 | N | 150 | N | >2,000 | N |
| 84SC080S | 300 | N | 50 | N | 300 | N |
| 84SC081S | 700 | N | 500 | N | >2,000 | N |
| 84SC082S | 500 | N | 50 | N | 2,000 | N |
| 84SC083S | 200 | N | N | N | 20 | N |
| 84SC084S | 200 | N | 20 | N | 1,500 | N |
| 84SC085S | 300 | N | 30 | N | >2,000 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC086S | 17 44 52 | 64 45 14 | 5.0 | .70 | 15.00 | 1.00 | 1,000 | 7.0 | N | N | 70 | 200 | N |
| 84SC087S | 17 44 17 | 64 45 17 | 3.0 | .50 | 15.00 | 1.50 | 1,000 | N | N | N | 50 | 200 | N |
| 84SC088S | 17 43 37 | 64 45 17 | 3.0 | .70 | 15.00 | 2.00 | 1,000 | N | N | N | 50 | 300 | N |
| 84SC089S | 17 43 23 | 64 45 54 | 5.0 | .70 | 20.00 | .70 | 1,000 | N | N | N | 50 | 200 | N |
| 84SC090S | 17 42 35 | 64 47 13 | 3.0 | .70 | 20.00 | 1.50 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC091S | 17 42 54 | 64 47 27 | 3.0 | .50 | 15.00 | 1.50 | 1,000 | N | N | N | 50 | >10,000 | N |
| 84SC093S | 17 43 35 | 64 47 16 | 5.0 | .70 | 15.00 | 1.00 | 1,000 | N | N | N | 50 | 200 | N |
| 84SC094S | 17 43 41 | 64 46 49 | 7.0 | .70 | 7.00 | .50 | 700 | N | N | N | 200 | 700 | N |
| 84SC095S | 17 43 50 | 64 46 29 | 3.0 | .50 | 7.00 | .70 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC096S | 17 44 5 | 64 45 34 | 3.0 | .50 | 7.00 | .70 | 700 | <1.0 | N | N | 50 | 5,000 | N |
| 84SC098S | 17 45 9 | 64 44 30 | 5.0 | .50 | 10.00 | 1.50 | 700 | N | N | N | 70 | 300 | N |
| 84SC099S | 17 45 15 | 64 44 39 | 1.5 | .50 | 30.00 | .10 | 300 | N | N | N | 20 | 100 | N |
| 84SC100S | 17 45 13 | 64 43 36 | 5.0 | .50 | 10.00 | 1.00 | 1,000 | N | N | N | 70 | 500 | N |
| 84SC101S | 17 45 5 | 64 44 4 | 5.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC102S | 17 44 52 | 64 43 32 | 5.0 | .70 | 7.00 | .30 | 300 | N | N | N | 30 | 100 | N |
| 84SC103S | 17 44 15 | 64 43 15 | 5.0 | .70 | 7.00 | 1.00 | 1,000 | 7.0 | N | N | 70 | 500 | N |
| 84SC104S | 17 44 24 | 64 43 39 | 3.0 | .50 | 10.00 | .70 | 1,000 | N | N | N | 70 | 300 | N |
| 84SC105S | 17 44 8 | 64 43 55 | 5.0 | .50 | 10.00 | 1.50 | 1,000 | N | N | N | 70 | 300 | <2 |
| 84SC107S | 17 44 44 | 64 44 37 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC108S | 17 44 46 | 64 44 18 | 5.0 | .50 | 7.00 | .70 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC109S | 17 43 40 | 64 44 33 | 15.0 | .50 | 20.00 | 1.50 | 700 | N | N | N | 30 | 100 | N |
| 84SC110S | 17 43 22 | 64 44 27 | 3.0 | .50 | 20.00 | 1.00 | 500 | N | N | N | 50 | 70 | N |
| 84SC111S | 17 43 14 | 64 44 51 | 2.0 | .30 | 15.00 | 1.00 | 700 | N | N | N | 50 | 300 | N |
| 84SC112S | 17 43 8 | 64 45 18 | 1.0 | 1.00 | 20.00 | .50 | 200 | 7.0 | N | N | 300 | N | N |
| 84SC113S | 17 43 30 | 64 44 1 | 5.0 | .50 | 15.00 | >2.00 | 700 | N | N | N | 100 | 300 | N |
| 84SC114S | 17 42 49 | 64 42 45 | 5.0 | .70 | 7.00 | .70 | 1,000 | N | N | N | 150 | 700 | N |
| 84SC115S | 17 42 19 | 64 42 47 | 5.0 | .70 | 7.00 | .50 | 700 | N | N | N | 100 | 300 | <2 |
| 84SC116S | 17 42 9 | 64 43 10 | 3.0 | 2.00 | 15.00 | .30 | 500 | N | N | N | 70 | 3,000 | N |
| 84SC117S | 17 42 35 | 64 43 23 | 5.0 | 15.00 | 15.00 | .70 | 1,500 | N | N | N | 100 | 500 | N |
| 84SC118S | 17 42 29 | 64 43 47 | 5.0 | 3.00 | 15.00 | .70 | 700 | 15.0 | N | N | 50 | 500 | N |
| 84SC119S | 17 42 59 | 64 43 50 | 3.0 | 1.00 | 15.00 | 2.00 | 1,000 | N | N | N | 150 | 150 | N |
| 84SC120S | 17 42 53 | 64 44 16 | 1.5 | 7.00 | 20.00 | 1.50 | 300 | N | N | N | 30 | <50 | N |
| 84SC121S | 17 43 6 | 64 43 33 | 3.0 | .50 | 10.00 | 1.00 | 1,000 | N | N | N | 70 | 200 | N |
| 84SC122S | 17 43 16 | 64 42 54 | 3.0 | .30 | 20.00 | .30 | 700 | 1.0 | N | N | 70 | 500 | N |
| 84SC123S | 17 43 40 | 64 43 29 | 5.0 | .70 | 10.00 | 1.00 | 700 | 10.0 | N | N | 150 | 500 | N |
| 84SC124S | 17 43 57 | 64 42 43 | 1.5 | 1.50 | 7.00 | >2.00 | 300 | N | N | N | 70 | >10,000 | N |
| 84SC125S | 17 42 55 | 64 46 52 | 3.0 | .70 | 15.00 | .70 | 700 | N | N | N | 70 | 200 | N |
| 84SC126S | 17 43 9 | 64 46 27 | 3.0 | .50 | 20.00 | .70 | 700 | 7.0 | N | N | 50 | 200 | N |
| 84SC127S | 17 42 5 | 64 47 17 | 3.0 | .30 | 7.00 | 1.00 | 700 | N | N | N | 70 | >10,000 | N |
| 84SC128S | 17 43 17 | 64 48 8 | 5.0 | 1.00 | 10.00 | .70 | 1,000 | 5.0 | N | N | 70 | 300 | N |
| 84SC129S | 17 43 48 | 64 48 20 | 7.0 | .50 | 15.00 | 1.00 | 1,000 | N | N | N | 70 | 500 | N |
| 84SC130S | 17 42 52 | 64 48 3 | 5.0 | .70 | 10.00 | .50 | 1,000 | 1.5 | N | N | 70 | 500 | N |
| 84SC131S | 17 43 2 | 64 48 51 | 5.0 | 5.00 | 7.00 | .50 | 700 | N | N | N | 50 | 50 | N |
| 84SC132S | 17 42 37 | 64 48 40 | 5.0 | .50 | 15.00 | 1.00 | 1,000 | N | N | N | 50 | 150 | N |
| 84SC133S | 17 43 0 | 64 49 18 | 5.0 | .70 | 10.00 | .50 | 1,000 | N | N | N | 50 | 150 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC086S | 50 | N | <10 | 70 | 700 | <50 | N | N | 20 | 50,000 | <200 | 20 | >2,000 | 1,000 |
| 84SC087S | N | N | N | 100 | 15 | N | N | N | 20 | 70 | N | 15 | 300 | 700 |
| 84SC088S | 30 | N | N | 150 | 150 | <50 | N | N | 20 | 5,000 | <200 | 15 | >2,000 | 700 |
| 84SC089S | N | N | <10 | 150 | 50 | <50 | N | N | 20 | 1,500 | N | 20 | 1,500 | 700 |
| 84SC090S | N | N | <10 | 150 | 20 | 70 | N | N | 15 | 30 | N | 15 | 20 | 700 |
| 84SC091S | N | N | <10 | 100 | 70 | 70 | N | N | 30 | 20,000 | N | 20 | >2,000 | 1,000 |
| 84SC093S | N | N | 15 | 70 | 15 | 50 | N | N | 20 | 300 | N | 20 | 300 | 1,000 |
| 84SC094S | N | N | 20 | 70 | 70 | N | N | N | 30 | 300 | N | 20 | 300 | 700 |
| 84SC095S | N | N | N | 70 | 50 | <50 | N | N | 10 | 150 | N | 30 | 1,500 | 1,000 |
| 84SC096S | N | N | N | 70 | 200 | <50 | N | N | 10 | 10,000 | N | 20 | >2,000 | 1,000 |
| 84SC098S | N | N | N | 70 | 20 | <50 | N | N | 10 | 200 | N | 20 | 1,000 | 700 |
| 84SC099S | N | N | N | <20 | 15 | <50 | N | N | <10 | N | N | N | N | 2,000 |
| 84SC100S | N | N | <10 | 70 | 500 | <50 | N | N | <10 | 10,000 | 200 | 20 | >2,000 | 1,000 |
| 84SC101S | N | N | <10 | 70 | 50 | N | 20 | N | 70 | 100 | N | 30 | 200 | 1,000 |
| 84SC102S | N | N | N | 20 | 20 | N | N | N | 15 | 30 | N | 10 | N | 700 |
| 84SC103S | N | N | 10 | 50 | 300 | <50 | N | N | 30 | 50,000 | N | 10 | >2,000 | 1,000 |
| 84SC104S | N | N | N | 70 | 20 | <50 | N | N | 15 | 200 | N | 30 | 70 | 1,000 |
| 84SC105S | N | N | <10 | 100 | 20 | <50 | N | N | 15 | 150 | N | 20 | 300 | 700 |
| 84SC107S | N | N | <10 | 70 | 30 | <50 | N | N | 50 | 20 | N | 30 | N | 1,000 |
| 84SC108S | N | N | N | 50 | 20 | N | N | N | 30 | 30 | N | 30 | 200 | 1,000 |
| 84SC109S | N | N | N | 150 | 100 | <50 | N | N | 15 | 70 | N | 15 | >2,000 | 700 |
| 84SC110S | <20 | N | N | 200 | 2,000 | 70 | N | N | <10 | 20,000 | N | 15 | >2,000 | 700 |
| 84SC111S | N | N | N | 500 | 10 | <50 | N | N | 10 | 20 | N | 10 | N | 500 |
| 84SC112S | 150 | N | N | 300 | 700 | <50 | N | N | 15 | 20,000 | <200 | 10 | >2,000 | 1,500 |
| 84SC113S | N | N | <10 | 150 | 1,000 | 50 | N | N | 10 | 2,000 | N | 15 | >2,000 | 700 |
| 84SC114S | N | N | 15 | 100 | 700 | <50 | N | N | 30 | 1,000 | N | 20 | 1,500 | 1,500 |
| 84SC115S | N | N | <10 | 150 | 50 | <50 | N | N | 15 | 30 | N | 15 | 200 | 1,500 |
| 84SC116S | N | N | <10 | 500 | 30 | <50 | N | N | 70 | 15,000 | N | 15 | 2,000 | 2,000 |
| 84SC117S | <20 | N | 10 | 1,000 | 700 | <50 | N | N | 70 | 1,500 | N | 30 | >2,000 | 1,000 |
| 84SC118S | 20 | N | 20 | 2,000 | 1,000 | <50 | N | N | 150 | >50,000 | N | 50 | >2,000 | 1,000 |
| 84SC119S | N | N | <10 | 200 | 50 | 50 | <10 | N | 10 | 10,000 | N | 50 | 1,500 | 1,000 |
| 84SC120S | N | N | N | 50 | 1,000 | <50 | N | N | N | 50 | N | 20 | N | 300 |
| 84SC121S | N | N | N | 30 | 30 | N | N | N | 20 | 7,000 | N | 20 | 300 | 1,000 |
| 84SC122S | N | N | N | 30 | 200 | 50 | N | N | <10 | 7,000 | N | 15 | 1,500 | 3,000 |
| 84SC123S | 50 | N | <10 | 50 | 500 | 50 | N | N | <10 | 50,000 | 300 | 15 | >2,000 | 1,000 |
| 84SC124S | N | N | N | 50 | 70 | 50 | N | N | <10 | 70 | N | 20 | 300 | 1,000 |
| 84SC125S | <20 | N | <10 | 70 | 2,000 | <50 | N | N | 10 | 1,500 | N | 30 | >2,000 | 700 |
| 84SC126S | 500 | N | 10 | 70 | 5,000 | 70 | N | N | 15 | 50,000 | 3,000 | 15 | >2,000 | 700 |
| 84SC127S | N | N | N | 50 | 50 | 50 | N | N | <10 | 700 | N | 15 | 300 | 3,000 |
| 84SC128S | 20 | N | 10 | 70 | 1,500 | <50 | N | N | 15 | 1,500 | N | 20 | >2,000 | 1,000 |
| 84SC129S | N | N | N | 100 | 70 | 70 | N | N | <10 | 70 | N | 20 | 300 | 1,000 |
| 84SC130S | N | N | N | 70 | 2,000 | 50 | N | N | N | 15,000 | N | 20 | >2,000 | 1,000 |
| 84SC131S | N | N | 10 | 30 | 50 | N | N | N | N | 300 | N | 15 | 300 | 700 |
| 84SC132S | N | N | N | 150 | 50 | 50 | N | N | N | 700 | N | 20 | >2,000 | 1,000 |
| 84SC133S | N | N | 15 | 50 | 50 | N | N | N | <10 | 200 | N | 20 | 2,000 | 1,000 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC086S | 500 | N | 30 | N | >2,000 | N |
| 84SC087S | 300 | N | 50 | N | >2,000 | N |
| 84SC088S | 300 | N | 70 | N | >2,000 | N |
| 84SC089S | 300 | N | 50 | N | >2,000 | N |
| 84SC090S | 500 | N | 200 | N | >2,000 | N |
| 84SC091S | 500 | N | 100 | N | >2,000 | N |
| 84SC093S | 500 | N | 70 | N | >2,000 | N |
| 84SC094S | 300 | N | 30 | N | 1,500 | N |
| 84SC095S | 300 | N | 50 | N | 2,000 | N |
| 84SC096S | 300 | N | <20 | N | 1,000 | N |
| 84SC098S | 500 | N | 50 | N | 2,000 | N |
| 84SC099S | 30 | N | N | N | 50 | N |
| 84SC100S | 300 | N | 50 | N | >2,000 | N |
| 84SC101S | 500 | N | 20 | N | 1,000 | N |
| 84SC102S | 200 | N | <20 | N | 700 | N |
| 84SC103S | 500 | N | 50 | N | 500 | N |
| 84SC104S | 500 | N | 20 | N | 1,500 | N |
| 84SC105S | 300 | N | 30 | N | 2,000 | N |
| 84SC107S | 500 | N | 20 | N | 700 | N |
| 84SC108S | 500 | N | 30 | N | 1,500 | N |
| 84SC109S | 200 | N | 30 | N | 2,000 | N |
| 84SC110S | 200 | N | 70 | N | >2,000 | N |
| 84SC111S | 200 | N | 50 | N | 2,000 | N |
| 84SC112S | 70 | N | 30 | N | 100 | N |
| 84SC113S | 500 | N | 70 | N | >2,000 | N |
| 84SC114S | 500 | N | 30 | N | 150 | N |
| 84SC115S | 500 | N | 20 | N | 2,000 | N |
| 84SC116S | 200 | N | <20 | N | 1,500 | N |
| 84SC117S | 200 | N | 30 | N | >2,000 | N |
| 84SC118S | 200 | N | 50 | N | >2,000 | N |
| 84SC119S | 200 | N | 70 | 2,000 | >2,000 | N |
| 84SC120S | 150 | N | 50 | N | 2,000 | N |
| 84SC121S | 300 | N | 20 | N | 1,500 | N |
| 84SC122S | 200 | N | N | N | 300 | N |
| 84SC123S | 300 | N | 50 | N | 1,000 | N |
| 84SC124S | 500 | N | 30 | N | 1,500 | N |
| 84SC125S | 200 | N | 50 | 3,000 | >2,000 | N |
| 84SC126S | 200 | N | 70 | N | >2,000 | N |
| 84SC127S | 300 | N | 70 | N | >2,000 | N |
| 84SC128S | 300 | N | 50 | N | 2,000 | N |
| 84SC129S | 500 | N | 100 | N | >2,000 | N |
| 84SC130S | 500 | N | 50 | N | 1,500 | N |
| 84SC131S | 500 | N | 20 | N | 1,500 | N |
| 84SC132S | 300 | N | 30 | N | 2,000 | N |
| 84SC133S | 300 | N | 20 | N | 1,500 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC134S | 17 43 25 | 64 49 26 | 5.0 | .30 | 10.00 | .50 | 700 | N | N | N | 70 | 70 | N |
| 84SC135S | 17 43 34 | 64 48 59 | 5.0 | .50 | 10.00 | .50 | 1,000 | N | N | N | 70 | 700 | N |
| 84SC136S | 17 42 27 | 64 49 16 | 5.0 | .70 | 15.00 | .70 | 1,000 | N | N | N | 70 | 150 | N |
| 84SC137S | 17 41 33 | 64 48 52 | .7 | .30 | 50.00 | .15 | 150 | <1.0 | N | N | <20 | 300 | N |
| 84SC138S | 17 41 40 | 64 48 23 | 5.0 | .50 | 15.00 | .70 | 500 | N | N | N | 70 | 500 | N |
| 84SC139S | 17 41 55 | 64 49 7 | 5.0 | .50 | 15.00 | .70 | 700 | N | N | N | 50 | 500 | N |
| 84SC140S | 17 41 47 | 64 49 31 | 3.0 | .50 | 15.00 | .50 | 700 | N | N | N | 70 | 500 | N |
| 84SC141S | 17 41 21 | 64 49 25 | 1.5 | .50 | 10.00 | .70 | 300 | N | N | N | 70 | 1,000 | N |
| 84SC142S | 17 42 16 | 64 49 43 | 5.0 | .70 | 7.00 | .30 | 700 | N | N | N | 70 | 150 | N |
| 84SC143S | 17 42 44 | 64 49 53 | 7.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 100 | 150 | N |
| 84SC150S | 17 45 34 | 64 48 13 | 3.0 | 5.00 | 15.00 | >2.00 | 1,000 | N | N | N | <20 | 300 | N |
| 84SC228S | 17 44 6 | 64 36 39 | 5.0 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 70 | 300 | N |
| 84SC230S | 17 43 39 | 64 38 43 | 3.0 | .70 | 7.00 | .70 | 2,000 | N | N | N | 5,000 | 500 | <2 |
| 84SC232S | 17 44 26 | 64 39 33 | 3.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 20 | 700 | N |
| 84SC240S | 17 44 5 | 64 41 17 | 7.0 | .70 | 10.00 | 1.50 | 1,500 | N | N | N | 100 | 300 | <2 |
| 84SC240S | 17 44 5 | 64 41 19 | 7.0 | .70 | 10.00 | 1.50 | 1,500 | N | N | N | 100 | 300 | <2 |
| 84SC251S | 17 44 26 | 64 41 39 | 7.0 | .70 | 7.00 | .70 | 2,000 | N | N | N | 70 | 300 | <2 |
| 84SC259S | 17 42 38 | 64 42 14 | 7.0 | .70 | 7.00 | 1.00 | 1,000 | N | N | N | 150 | 2,000 | <2 |
| 84SC260S | 17 46 58 | 64 45 0 | 20.0 | .70 | 3.00 | 2.00 | 1,000 | <1.0 | N | N | 30 | >10,000 | N |
| 84SC261S | 17 46 24 | 64 45 1 | 3.0 | .20 | 10.00 | >2.00 | 1,500 | N | N | N | 50 | 300 | N |
| 84SC262S | 17 46 34 | 64 45 4 | 7.0 | .50 | 10.00 | >2.00 | 1,500 | N | N | N | 70 | 500 | N |
| 84SC264S | 17 46 16 | 64 44 25 | 5.0 | 1.50 | 7.00 | 1.50 | 1,000 | N | N | N | 70 | 300 | <2 |
| 84SC264S | 17 46 13 | 64 44 22 | 5.0 | 1.50 | 7.00 | 1.50 | 1,000 | N | N | N | 70 | 300 | <2 |
| 84SC267S | 17 41 19 | 64 52 49 | 3.0 | .20 | 20.00 | .70 | 300 | N | N | N | 70 | <50 | N |
| 84SC268S | 17 41 29 | 64 52 14 | 7.0 | .70 | 10.00 | 1.00 | 500 | N | N | N | 50 | 150 | N |
| 84SC269S | 17 41 30 | 64 51 47 | 7.0 | .50 | 7.00 | 1.00 | 700 | N | N | N | 300 | 150 | N |
| 84SC270S | 17 41 33 | 64 50 53 | 7.0 | .50 | 5.00 | .30 | 1,000 | N | N | N | 70 | 1,000 | <2 |
| 84SC271S | 17 41 38 | 64 51 22 | 5.0 | .30 | 20.00 | .50 | 700 | N | N | N | 100 | 1,000 | N |
| 84SC272S | 17 42 6 | 64 50 37 | 7.0 | .50 | 7.00 | .50 | 700 | N | N | N | 70 | 300 | N |
| 84SC274S | 17 41 33 | 64 50 25 | 7.0 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | 10,000 | N |
| 84SC275S | 17 42 8 | 64 51 5 | 7.0 | .70 | 7.00 | 1.00 | 1,000 | <1.0 | N | N | 100 | 5,000 | N |
| 84SC276S | 17 42 0 | 64 52 20 | 5.0 | .70 | 7.00 | .70 | 700 | 15.0 | N | N | 70 | 200 | N |
| 84SC277S | 17 41 52 | 64 52 43 | 5.0 | .30 | 10.00 | .70 | 700 | N | N | N | 50 | 70 | N |
| 84SC278S | 17 42 13 | 64 51 46 | 5.0 | .70 | 10.00 | .70 | 1,000 | N | N | N | 100 | 300 | N |
| 84SC279S | 17 42 30 | 64 51 9 | 10.0 | 1.00 | 7.00 | 2.00 | 2,000 | N | N | N | 50 | 500 | N |
| 84SC298S | 17 44 10 | 64 41 52 | 10.0 | .70 | 5.00 | 2.00 | 2,000 | N | N | N | 100 | 1,000 | <2 |
| 84SC299S | 17 45 45 | 64 51 2 | 5.0 | .50 | 7.00 | .50 | 1,000 | N | N | N | 50 | 300 | N |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC134S | N | N | <10 | 30 | 20 | N | N | N | <10 | 50 | N | 20 | 70 | 1,000 |
| 84SC135S | N | N | N | 50 | 70 | N | N | N | <10 | 1,500 | N | 20 | 150 | 1,000 |
| 84SC136S | N | N | 10 | 70 | 50 | N | N | N | <10 | 100 | N | 30 | 500 | 700 |
| 84SC137S | N | N | N | 100 | 70 | <50 | N | N | N | 15,000 | N | 10 | >2,000 | 5,000 |
| 84SC138S | N | N | N | 70 | 700 | <50 | N | N | N | 2,000 | N | 20 | 2,000 | 1,000 |
| 84SC139S | N | N | N | 100 | 50 | 50 | N | N | 10 | 7,000 | N | 10 | >2,000 | 1,000 |
| 84SC140S | N | N | N | 50 | 50 | 50 | N | N | <10 | 7,000 | N | 15 | 2,000 | 1,000 |
| 84SC141S | N | N | N | 70 | 2,000 | <50 | N | N | <10 | 2,000 | N | 10 | 1,500 | 2,000 |
| 84SC142S | N | N | 10 | 30 | 70 | <50 | N | N | 10 | 500 | N | 15 | 1,500 | 1,000 |
| 84SC143S | N | N | 10 | 70 | 70 | N | N | N | <10 | 1,000 | N | 20 | 2,000 | 1,000 |
| 84SC150S | N | N | 20 | 2,000 | 20 | 50 | N | N | 100 | 70 | N | 50 | >2,000 | N |
| 84SC228S | N | N | 15 | 70 | 70 | N | N | N | <10 | 50 | N | 30 | N | 1,000 |
| 84SC230S | <20 | N | <10 | 70 | 200 | <50 | N | N | 20 | 500 | N | 15 | >2,000 | 700 |
| 84SC232S | N | N | 15 | 300 | 50 | 50 | N | N | 70 | 20 | N | <10 | N | 1,500 |
| 84SC240S | N | N | 15 | 50 | 100 | <50 | N | N | 10 | 30 | N | 20 | N | 1,500 |
| 84SC240S | N | N | 15 | 50 | 100 | <50 | N | N | 10 | 30 | N | 20 | N | 1,500 |
| 84SC251S | N | N | 20 | 50 | 70 | 50 | N | N | 10 | <20 | N | 15 | N | 1,000 |
| 84SC259S | N | N | 15 | 70 | 50 | <50 | N | N | 10 | 30 | N | 20 | 70 | 2,000 |
| 84SC260S | N | N | 70 | <20 | 300 | N | N | N | 50 | 50 | N | 15 | N | 700 |
| 84SC261S | N | N | N | 70 | 20 | 300 | N | 50 | <10 | 150 | N | <10 | 300 | 300 |
| 84SC262S | N | N | <10 | 70 | 20 | 200 | N | <50 | <10 | 50 | N | 30 | 50 | 700 |
| 84SC264S | N | N | <10 | 500 | 50 | <50 | N | N | 50 | 50 | N | 20 | 100 | 700 |
| 84SC264S | N | N | <10 | 500 | 50 | <50 | N | N | 50 | 50 | N | 20 | 100 | 700 |
| 84SC267S | N | N | <10 | 70 | 15 | N | N | N | 30 | 1,500 | N | <10 | 2,000 | 3,000 |
| 84SC268S | N | N | <10 | 100 | 50 | <50 | N | N | 50 | 300 | N | <10 | >2,000 | 700 |
| 84SC269S | 50 | N | 10 | 70 | 200 | <50 | N | N | 15 | 1,500 | N | <10 | >2,000 | 1,500 |
| 84SC270S | N | N | 10 | 30 | 50 | <50 | N | N | <10 | 50 | N | 15 | 70 | 700 |
| 84SC271S | N | N | N | 70 | 70 | <50 | N | N | <10 | 1,500 | N | <10 | 1,500 | 1,500 |
| 84SC272S | N | N | <10 | 100 | 50 | <50 | N | N | 15 | 200 | N | 15 | 300 | 1,000 |
| 84SC274S | N | N | <10 | 30 | 50 | N | N | N | 50 | 50 | N | 20 | N | 2,000 |
| 84SC275S | N | N | 10 | 70 | 500 | <50 | N | N | 20 | 20,000 | <200 | <10 | >2,000 | 1,500 |
| 84SC276S | 70 | N | 10 | 70 | 1,500 | <50 | N | N | 30 | 20,000 | 300 | <10 | >2,000 | 1,000 |
| 84SC277S | N | N | N | 200 | 50 | N | N | N | 20 | 1,500 | N | 10 | 1,500 | 700 |
| 84SC278S | N | N | 10 | 100 | 70 | <50 | N | N | N | 1,500 | N | <10 | 2,000 | 1,500 |
| 84SC279S | 150 | N | 20 | 1,500 | 700 | 50 | N | N | 0 | 5,000 | 1,500 | 20 | >2,000 | 700 |
| 84SC298S | N | N | 20 | 100 | 100 | 50 | N | <50 | 200 | 50 | N | 20 | N | 1,000 |
| 84SC299S | N | N | N | 20 | 70 | N | N | N | 10 | 20 | N | 20 | N | 500 |

Table 6. Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC134S | 300 | N | <20 | N | 300 | N |
| 84SC135S | 300 | N | 30 | N | 700 | N |
| 84SC136S | 300 | N | 30 | N | >2,000 | N |
| 84SC137S | 70 | N | 20 | N | 2,000 | N |
| 84SC138S | 300 | N | 70 | N | >2,000 | N |
| 84SC139S | 300 | N | 70 | N | >2,000 | N |
| 84SC140S | 300 | N | 50 | N | >2,000 | N |
| 84SC141S | 200 | N | 100 | N | >2,000 | N |
| 84SC142S | 500 | N | 20 | N | 300 | N |
| 84SC143S | 700 | N | 20 | N | 2,000 | N |
| 84SC150S | 300 | N | 150 | N | 100 | N |
| 84SC228S | 500 | N | <20 | N | 30 | N |
| 84SC230S | 300 | N | 30 | N | 300 | N |
| 84SC232S | 150 | N | 70 | N | 70 | N |
| 84SC240S | 700 | N | 50 | N | 100 | N |
| 84SC240S | 700 | N | 50 | N | 100 | N |
| 84SC251S | 500 | N | 30 | N | 100 | N |
| 84SC259S | 500 | N | <20 | N | 1,000 | N |
| 84SC260S | 150 | N | 50 | N | 1,500 | N |
| 84SC261S | 300 | N | 700 | N | >2,000 | N |
| 84SC262S | 500 | N | 500 | N | >2,000 | N |
| 84SC264S | 500 | N | 50 | N | 1,500 | N |
| 84SC264S | 500 | N | 50 | N | 1,500 | N |
| 84SC267S | 150 | N | 150 | N | >2,000 | N |
| 84SC268S | 300 | N | 200 | N | >2,000 | N |
| 84SC269S | 500 | N | 300 | N | >2,000 | N |
| 84SC270S | 700 | N | <20 | N | 1,500 | N |
| 84SC271S | 200 | N | 50 | N | >2,000 | N |
| 84SC272S | 500 | N | 30 | N | 1,500 | N |
| 84SC274S | 700 | N | 30 | N | 1,500 | N |
| 84SC275S | 500 | N | 50 | N | >2,000 | N |
| 84SC276S | 300 | N | 100 | N | >2,000 | N |
| 84SC277S | 200 | N | 300 | N | >2,000 | N |
| 84SC278S | 300 | N | 50 | N | >2,000 | N |
| 84SC279S | 700 | N | 50 | N | >2,000 | N |
| 84SC298S | 500 | N | 50 | N | 1,500 | N |
| 84SC299S | 300 | N | <20 | N | 70 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | 18 20 46 | 64 53 14 | 7 | .30 | 10.00 | .50 | 1,500 | N | N | N | 70 | 70 | N |
| 83ST001S | 18 20 45 | 64 53 14 | 15 | .30 | 5.00 | .20 | 2,000 | N | N | N | 20 | 300 | 5 |
| 83ST002 | 18 20 48 | 64 52 44 | 15 | 1.00 | 7.00 | 1.50 | 2,000 | N | N | N | 30 | 200 | N |
| 83ST002S | 18 20 48 | 64 52 44 | 15 | 2.00 | 7.00 | 1.50 | 2,000 | N | N | N | 50 | 200 | N |
| 83ST003 | 18 20 23 | 64 51 58 | 7 | 1.50 | 10.00 | .50 | 1,500 | N | N | N | 50 | 70 | N |
| 83ST003S | 18 20 23 | 64 51 58 | 7 | 1.00 | 10.00 | .50 | 1,500 | N | N | N | 70 | 70 | N |
| 83ST004S | 18 19 15 | 64 50 24 | 7 | 1.00 | 10.00 | .20 | 1,000 | N | N | N | 50 | 70 | N |
| 83ST005S | 18 19 36 | 64 50 13 | 7 | .70 | 15.00 | .30 | 1,500 | N | N | N | 50 | <50 | N |
| 83ST006S | 18 19 2 | 64 49 40 | 5 | 5.00 | 15.00 | .15 | 1,500 | N | N | N | 20 | <50 | N |
| 83ST007S | 18 18 41 | 64 49 41 | 7 | .70 | 10.00 | .70 | 1,500 | N | N | N | 50 | <50 | N |
| 83ST008S | 18 17 52 | 64 49 2 | 30 | .10 | .10 | .50 | 300 | N | N | N | 30 | 200 | 2 |
| 83ST009S | 18 18 0 | 64 49 25 | 30 | .30 | .20 | .70 | 700 | N | N | N | 20 | 70 | 2 |
| 83ST010S | 18 18 6 | 64 49 34 | 30 | .20 | .15 | 1.00 | 700 | N | N | N | 20 | 100 | <2 |
| 83ST011S | 18 18 10 | 64 49 44 | 20 | .30 | .20 | .50 | 2,000 | N | N | N | <20 | 300 | <2 |
| 83ST012S | 18 18 54 | 64 50 50 | 15 | 1.00 | 5.00 | 1.50 | 10,000 | N | N | N | 50 | 1,500 | N |
| 83ST013S | 18 18 33 | 64 51 52 | 30 | .20 | .10 | 1.00 | 1,500 | 3.0 | N | N | <20 | 500 | N |
| 83ST014S | 18 18 26 | 64 52 14 | 30 | .20 | .10 | .70 | >10,000 | N | N | N | <20 | 700 | <2 |
| 83ST015S | 18 18 24 | 64 52 28 | 10 | .70 | 10.00 | .70 | 2,000 | N | N | N | <20 | <50 | N |
| 83ST016S | 18 19 47 | 64 56 42 | 10 | 1.00 | 10.00 | .50 | 1,500 | N | N | N | 50 | N | N |
| 83ST017S | 18 19 18 | 64 56 34 | 7 | 2.00 | 10.00 | .30 | 3,000 | N | N | N | 50 | 300 | <2 |
| 83ST022S | 18 21 15 | 64 59 39 | 7 | 1.50 | 10.00 | .70 | 1,500 | N | N | N | 70 | 70 | <2 |
| 83ST023S | 18 20 47 | 64 58 36 | 15 | 1.00 | 7.00 | 1.00 | 1,000 | N | N | N | 70 | 1,000 | N |
| 83ST024S | 18 20 21 | 64 50 42 | 10 | .20 | 10.00 | .20 | 1,500 | N | N | N | 20 | <50 | N |
| 83ST025S | 18 21 17 | 64 52 54 | 20 | 1.00 | 7.00 | 1.00 | 1,500 | N | N | N | 50 | 150 | N |
| 83ST026 | 18 21 22 | 64 53 21 | 20 | 1.00 | 7.00 | 2.00 | 1,500 | N | N | N | 50 | 200 | N |
| 83ST027S | 18 21 52 | 64 53 35 | 7 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 30 | 300 | N |
| 83ST029S | 18 24 7 | 64 54 45 | 7 | 1.50 | 10.00 | .50 | 1,000 | N | N | N | 30 | 50 | N |
| 83ST030S | 18 24 35 | 64 54 29 | 7 | .30 | 10.00 | .50 | 1,500 | N | N | N | 30 | 150 | N |
| 83ST031S | 18 22 1 | 64 54 24 | 10 | 1.00 | 7.00 | .70 | 5,000 | N | N | N | 70 | 1,000 | <2 |
| 83ST032 | 18 22 37 | 64 55 41 | 20 | .70 | 2.00 | .70 | >10,000 | N | N | N | 150 | 2,000 | 2 |
| 83ST033 | 18 22 1 | 64 55 15 | 15 | 2.00 | 5.00 | 1.00 | 3,000 | N | N | N | 70 | 500 | N |
| 83ST034 | 18 21 34 | 64 55 39 | 7 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 100 | N |
| 83ST035 | 18 21 49 | 64 56 14 | 10 | 1.00 | 10.00 | .50 | 2,000 | N | N | N | 70 | 300 | N |
| 83ST036 | 18 22 28 | 64 56 57 | 7 | 2.00 | 10.00 | .30 | 1,000 | N | N | N | 50 | 70 | N |
| 83ST037 | 18 22 12 | 64 58 5 | 7 | .70 | 7.00 | .50 | 1,500 | N | N | N | 50 | 100 | N |
| 83ST038 | 18 23 0 | 64 58 8 | 5 | 1.50 | 10.00 | .15 | 1,500 | N | N | N | 30 | 50 | N |
| 83ST039 | 18 23 14 | 64 58 21 | 7 | 1.00 | 10.00 | .50 | 1,500 | N | N | N | 30 | 100 | N |
| 83ST040 | 18 23 41 | 64 58 8 | 15 | 2.00 | 7.00 | >2.00 | 5,000 | N | N | N | 70 | 700 | N |
| 83ST041 | 18 24 5 | 64 58 30 | 15 | 2.00 | 7.00 | 2.00 | 1,500 | N | N | N | 70 | 150 | N |
| 83ST042 | 18 22 24 | 64 58 32 | 10 | 1.00 | 7.00 | .50 | 7,000 | N | N | N | 50 | 1,000 | N |
| 83ST043 | 18 22 21 | 64 59 0 | 10 | .70 | 10.00 | .50 | 1,500 | N | N | N | 70 | 150 | N |
| 83ST044S | 18 22 24 | 64 59 27 | 7 | .70 | 5.00 | .50 | 5,000 | N | N | N | 70 | 700 | N |
| 83ST045S | 18 20 4 | 64 56 15 | 15 | .15 | 1.50 | >2.00 | 2,000 | N | N | N | 50 | 300 | N |
| 83ST046 | 18 19 42 | 64 56 7 | 10 | 1.00 | 7.00 | .50 | 1,500 | N | N | N | 70 | 200 | <2 |
| 83ST047S | 18 16 44 | 64 53 46 | 10 | 3.00 | 7.00 | 1.50 | 2,000 | N | N | N | 30 | N | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI001 | N | N | 15 | 70 | 50 | <50 | 15 | N | 15 | 70 | N | 50 | N | 1,000 |
| 83SI001S | N | N | 15 | <20 | 150 | N | N | N | 10 | 70 | N | 30 | N | 700 |
| 83SI002 | N | N | 70 | 100 | 300 | 50 | 10 | N | 50 | 100 | N | 70 | N | 1,000 |
| 83SI002S | N | N | 70 | 150 | 300 | <50 | N | N | 70 | 70 | N | 70 | N | 1,000 |
| 83SI003 | N | N | 70 | 100 | 100 | <50 | N | N | 30 | 30 | N | 70 | N | 1,000 |
| 83SI003S | N | N | 15 | 100 | 50 | <50 | N | N | 20 | 30 | N | 70 | N | 1,000 |
| 83SI004S | N | N | 30 | 200 | 150 | N | N | N | 30 | 100 | N | 70 | N | 700 |
| 83SI005S | N | N | 20 | 100 | 70 | N | N | N | 30 | 30 | N | 70 | N | 1,000 |
| 83SI006S | N | N | 20 | 700 | 50 | N | N | N | 70 | 30 | N | 70 | N | 700 |
| 83SI007S | N | N | 15 | 30 | 50 | <50 | N | N | 20 | 30 | N | 70 | N | 1,000 |
| 83SI008S | N | N | 10 | 100 | 100 | N | 20 | N | 15 | 70 | N | 30 | N | N |
| 83SI009S | N | N | 100 | 1,500 | 150 | N | N | N | 50 | 50 | N | 20 | N | N |
| 83SI010S | N | N | 30 | 200 | 70 | N | 15 | N | 20 | 70 | N | 20 | N | N |
| 83SI011S | N | N | 50 | 70 | 70 | N | 30 | N | 30 | 50 | N | 30 | N | N |
| 83SI012S | N | N | 20 | 300 | 150 | <50 | N | N | 30 | 50 | N | 30 | N | 700 |
| 83SI013S | N | N | 30 | 50 | 2,000 | N | 50 | N | 15 | 70 | N | 10 | N | N |
| 83SI014S | N | N | 500 | 700 | 700 | N | 30 | N | 500 | 70 | N | 50 | N | N |
| 83SI015S | N | N | 100 | 70 | 200 | N | N | N | 30 | 20 | N | 70 | N | 700 |
| 83SI016S | N | N | 15 | 150 | 70 | N | N | N | 15 | 20 | N | 70 | N | 1,000 |
| 83SI017S | N | N | 15 | 500 | 30 | N | N | N | 30 | 30 | N | 50 | N | 700 |
| 83SI022S | N | N | 20 | 70 | 70 | N | N | N | 20 | 70 | N | 50 | N | 1,000 |
| 83SI023S | N | N | 15 | 100 | 70 | N | N | N | 30 | 50 | N | 30 | N | 1,000 |
| 83SI024S | N | N | 50 | 30 | 150 | N | N | N | 20 | 30 | N | 70 | N | 700 |
| 83SI025S | N | N | 70 | 200 | 700 | 50 | N | N | 70 | 50 | N | 50 | N | 1,000 |
| 83SI026 | N | N | 70 | 200 | 500 | 50 | 15 | N | 70 | 70 | N | 50 | N | 1,000 |
| 83SI027S | N | N | 20 | 70 | 70 | <50 | N | N | 20 | 30 | N | 30 | N | 1,000 |
| 83SI029S | N | N | 20 | 150 | 100 | <50 | N | N | 30 | 30 | N | 30 | N | 1,000 |
| 83SI030S | N | N | 10 | 50 | 70 | <50 | N | N | 15 | 30 | N | 50 | N | 1,500 |
| 83SI031S | N | N | 70 | 70 | 300 | N | 15 | N | 70 | 70 | N | 30 | N | 1,500 |
| 83SI032 | N | N | 300 | 150 | 700 | <50 | <10 | N | 150 | 200 | N | 50 | N | 700 |
| 83SI033 | N | N | 70 | 500 | 300 | <50 | N | N | 50 | 100 | N | 50 | N | 1,000 |
| 83SI034 | N | N | 15 | 70 | 70 | <50 | N | N | 15 | 50 | N | 50 | N | 1,000 |
| 83SI035 | N | N | 20 | 70 | 150 | N | N | N | 20 | 50 | N | 50 | N | 1,500 |
| 83SI036 | N | N | 15 | 200 | 70 | N | N | N | 50 | 30 | N | 50 | N | 1,000 |
| 83SI037 | N | N | 15 | <20 | 70 | N | N | N | 10 | 30 | N | 20 | N | 1,500 |
| 83SI038 | N | N | 15 | 50 | 50 | N | N | N | 15 | <20 | N | 30 | N | 700 |
| 83SI039 | N | N | 10 | 70 | 50 | <50 | N | N | 20 | 30 | N | 70 | N | 2,000 |
| 83SI040 | N | N | 20 | 70 | 500 | <50 | N | N | 30 | 30 | N | 50 | N | 700 |
| 83SI041 | N | N | 20 | 70 | 500 | <50 | N | N | 30 | 70 | N | 50 | N | 700 |
| 83SI042 | N | N | 50 | N | 70 | N | N | N | 10 | 20 | N | 50 | N | 1,000 |
| 83SI043 | N | N | 15 | 200 | 70 | N | N | N | 15 | 20 | N | 50 | N | 2,000 |
| 83SI044S | N | N | 70 | 50 | 300 | <50 | N | N | 20 | 20 | N | 50 | N | 300 |
| 83SI045S | N | N | 15 | 30 | 50 | N | N | N | <10 | 70 | N | 50 | N | 300 |
| 83SI046 | N | N | 15 | 300 | 70 | <50 | N | N | 50 | 30 | N | 30 | N | 700 |
| 83SI047S | N | N | 50 | 70 | 70 | <50 | N | N | 50 | 30 | N | 50 | N | 700 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST001 | 500 | N | 50 | N | 70 | N |
| 83ST001S | 300 | N | 50 | N | 30 | N |
| 83ST002 | 1,000 | N | 50 | N | 100 | N |
| 83ST002S | 700 | N | 50 | N | 100 | N |
| 83ST003 | 700 | N | 50 | N | 50 | N |
| 83ST003S | 500 | N | 50 | N | 50 | N |
| 83ST004S | 700 | N | 50 | N | 20 | N |
| 83ST005S | 700 | N | 50 | N | 50 | N |
| 83ST006S | 500 | N | 20 | N | <20 | N |
| 83ST007S | 700 | N | 50 | N | 50 | N |
| 83ST008S | 100 | N | 100 | N | 100 | N |
| 83ST009S | 300 | N | 200 | N | 100 | N |
| 83ST010S | 300 | N | 150 | 700 | 50 | N |
| 83ST011S | 500 | N | 50 | N | 30 | N |
| 83ST012S | 500 | N | 50 | N | 50 | N |
| 83ST013S | 1,000 | N | <20 | 1,500 | 30 | N |
| 83ST014S | 1,000 | N | 30 | 500 | 30 | N |
| 83ST015S | 1,000 | N | 20 | N | 30 | N |
| 83ST016S | 700 | N | 50 | N | 30 | N |
| 83ST017S | 200 | N | 50 | N | 50 | N |
| 83ST022S | 500 | N | 30 | N | 50 | N |
| 83ST023S | 1,000 | N | 30 | N | N | N |
| 83ST024S | 700 | N | 30 | N | 20 | N |
| 83ST025S | 1,000 | N | 50 | N | 70 | N |
| 83ST026 | 700 | N | 50 | N | 70 | N |
| 83ST027S | 500 | N | <20 | N | 50 | N |
| 83ST029S | 700 | N | 30 | N | 50 | N |
| 83ST030S | 700 | N | 30 | N | 50 | N |
| 83ST031S | 700 | N | 30 | N | 50 | N |
| 83ST032 | 700 | N | 50 | N | 30 | N |
| 83ST033 | 1,000 | N | 50 | N | 150 | N |
| 83ST034 | 700 | N | 50 | N | 50 | N |
| 83ST035 | 1,000 | N | 50 | N | 70 | N |
| 83ST036 | 700 | N | 30 | N | <20 | N |
| 83ST037 | 500 | N | 30 | N | 30 | N |
| 83ST038 | 500 | N | <20 | N | <20 | N |
| 83ST039 | 700 | N | 70 | N | 30 | N |
| 83ST040 | 1,000 | N | 70 | N | 150 | N |
| 83ST041 | 1,000 | N | 70 | N | 150 | N |
| 83ST042 | 500 | N | 50 | N | 30 | N |
| 83ST043 | 700 | N | 50 | N | 30 | N |
| 83ST044S | 700 | N | 50 | N | 30 | N |
| 83ST045S | 300 | N | 50 | N | 100 | N |
| 83ST046 | 500 | N | 50 | N | 50 | N |
| 83ST047S | 700 | N | 50 | N | 150 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST048 | 18 18 39 | 64 53 4 | 15 | 1.00 | 7.00 | .30 | 1,500 | <1.0 | N | N | 30 | <50 | N |
| 83ST049S | 18 18 58 | 64 53 28 | 20 | .70 | 2.00 | 1.00 | 1,000 | 5.0 | N | N | 20 | <50 | <2 |
| 83ST050 | 18 19 38 | 64 55 18 | 7 | 1.50 | 7.00 | .70 | 1,500 | N | N | N | 30 | 50 | N |
| 83ST051 | 18 19 37 | 64 56 58 | 15 | .30 | 7.00 | 2.00 | 2,000 | N | N | N | 50 | 150 | 5 |
| 83ST052 | 18 19 48 | 64 57 31 | 20 | .30 | .50 | >2.00 | 700 | N | N | N | 30 | 70 | 2 |
| 83ST054 | 18 19 55 | 64 58 21 | 30 | .15 | .10 | .70 | 150 | N | N | N | 20 | 700 | N |
| 83ST055 | 18 21 0 | 64 59 10 | 7 | 2.00 | 10.00 | .50 | 1,500 | N | N | N | 50 | <50 | N |
| 83ST056 | 18 20 54 | 65 1 54 | 7 | 1.00 | 7.00 | .30 | 1,500 | N | N | N | 70 | <50 | N |
| 83ST057 | 18 21 16 | 65 2 6 | 7 | .70 | 7.00 | .20 | 2,000 | N | N | N | 70 | 150 | N |
| 83ST058 | 18 20 40 | 65 4 47 | 5 | .70 | 10.00 | .20 | 1,500 | N | N | N | 50 | 70 | N |
| 83ST059 | 18 20 23 | 65 5 6 | 7 | .50 | 10.00 | .30 | 1,500 | N | N | N | 50 | 50 | <2 |
| 83ST060 | 18 21 42 | 65 2 49 | 7 | .70 | 10.00 | .50 | 2,000 | N | N | N | 50 | 500 | <2 |
| 83ST061 | 18 21 43 | 65 3 9 | 7 | .70 | 7.00 | .70 | >10,000 | N | N | N | 50 | 2,000 | <2 |
| 83ST062S | 18 22 52 | 65 3 40 | 10 | 1.00 | 7.00 | .50 | 2,000 | N | N | N | 50 | 500 | 5 |
| 83ST063S | 18 24 20 | 65 3 36 | 7 | 3.00 | 7.00 | .30 | 1,000 | N | N | N | 50 | 50 | N |
| 83ST065 | 18 21 46 | 64 59 37 | 10 | 1.00 | 10.00 | .30 | 1,500 | N | N | N | 70 | 50 | N |
| 83ST067 | 18 19 41 | 64 51 14 | 20 | .50 | 5.00 | 2.00 | 2,000 | 1.0 | N | N | 50 | 200 | <2 |
| 83ST068 | 18 19 59 | 64 51 14 | 10 | .30 | 7.00 | 1.00 | 2,000 | N | N | N | 100 | 150 | N |
| 83ST069 | 18 19 36 | 64 51 40 | 10 | .30 | 7.00 | 1.50 | 1,500 | N | N | N | 70 | 200 | N |
| 83ST070 | 18 19 40 | 64 52 23 | 10 | .50 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | N |
| 83ST071 | 18 19 42 | 64 52 25 | 7 | .30 | 7.00 | .50 | 1,500 | N | N | N | 70 | 100 | N |
| 83ST072 | 18 19 19 | 64 53 29 | 7 | .70 | 7.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 83ST073 | 18 19 27 | 64 53 28 | 10 | .70 | 7.00 | .50 | 5,000 | 2.0 | N | N | 50 | 100 | N |
| 83ST074 | 18 20 5 | 64 53 3 | 7 | 1.50 | 10.00 | .70 | 2,000 | 10.0 | N | N | 50 | 200 | N |
| 83ST075 | 18 19 44 | 64 53 0 | 5 | .30 | 7.00 | .50 | 2,000 | N | N | N | 50 | 100 | <2 |
| 83ST076 | 18 19 34 | 64 54 35 | 10 | .50 | 7.00 | .50 | 5,000 | N | N | N | 50 | 200 | N |
| 83ST077 | 18 19 12 | 64 54 42 | 10 | .70 | 7.00 | 2.00 | 1,500 | N | N | N | 50 | <50 | N |
| 83ST078 | 18 19 11 | 64 53 59 | 10 | .70 | 20.00 | .50 | 1,500 | N | N | N | 30 | <50 | N |
| 83ST079 | 18 19 30 | 64 54 16 | 15 | .70 | 5.00 | .70 | >10,000 | N | N | N | 50 | 2,000 | <2 |
| 83ST080 | 18 20 13 | 64 54 30 | 10 | .70 | 10.00 | .70 | 2,000 | N | N | N | 70 | 200 | N |
| 83ST081 | 18 20 18 | 64 54 24 | 7 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 100 | N |
| 83ST082 | 18 20 12 | 64 54 12 | 10 | .70 | 10.00 | .50 | 2,000 | N | N | N | 50 | 70 | N |
| 83ST083 | 18 20 15 | 64 53 30 | 7 | .50 | 10.00 | .70 | 1,500 | N | N | N | 70 | <50 | N |
| 83ST085 | 18 21 32 | 64 54 30 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 50 | 100 | N |
| 83ST086 | 18 21 17 | 64 55 16 | 7 | .30 | 10.00 | .30 | 2,000 | N | N | N | 100 | 100 | <2 |
| 83ST087 | 18 21 43 | 64 56 31 | 7 | .50 | 7.00 | .70 | 2,000 | N | N | N | 50 | 300 | <2 |
| 83ST088 | 18 22 11 | 64 57 8 | 7 | 1.00 | 10.00 | .30 | 5,000 | N | N | N | 50 | 700 | N |
| 83ST089 | 18 22 9 | 64 57 38 | 10 | .70 | 7.00 | .30 | 1,500 | N | N | N | 50 | 200 | N |
| 83ST090 | 18 21 52 | 64 58 35 | 10 | .30 | 5.00 | .50 | 2,000 | N | N | N | 20 | 300 | N |
| 83ST091 | 18 21 39 | 65 0 55 | 7 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 70 | N |
| 83ST092 | 18 21 32 | 65 1 5 | 7 | .70 | 10.00 | .50 | 2,000 | N | N | N | 70 | 150 | N |
| 83ST093 | 18 21 4 | 65 1 22 | 7 | 1.00 | 7.00 | .50 | 2,000 | N | N | N | 70 | 100 | N |
| 83ST094 | 18 20 45 | 65 1 22 | 10 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 70 | 70 | N |
| 83ST095S | 18 21 15 | 65 0 10 | 7 | 1.50 | 7.00 | 1.00 | 1,500 | N | N | N | 50 | 50 | N |
| 83ST096 | 18 21 28 | 65 1 55 | 7 | .70 | 7.00 | .50 | 2,000 | N | N | N | 70 | 100 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST048 | 50 | N | 70 | 1,000 | 1,500 | <50 | N | N | 70 | 30 | N | 50 | N | 300 |
| 83ST049S | N | N | 70 | 500 | 700 | <50 | N | N | 30 | 70 | N | 20 | N | N |
| 83ST050 | N | N | 15 | 70 | 100 | <50 | N | N | 20 | 100 | N | 70 | N | 700 |
| 83ST051 | N | N | <10 | 300 | 30 | 50 | N | N | 10 | 70 | N | 50 | N | 1,000 |
| 83ST052 | N | N | 10 | 20 | 50 | 30 | N | N | <10 | 150 | N | 70 | N | N |
| 83ST054 | <20 | N | N | <20 | 300 | N | 50 | N | <10 | 200 | N | 10 | N | N |
| 83ST055 | N | N | 20 | 100 | 70 | <50 | N | N | 30 | 150 | N | 70 | N | 1,000 |
| 83ST056 | N | N | 20 | <20 | 70 | <50 | N | N | 10 | <20 | N | 20 | N | 500 |
| 83ST057 | N | N | 15 | <20 | 50 | <50 | N | N | 10 | <20 | N | 30 | N | 1,500 |
| 83ST058 | N | N | 15 | 30 | 50 | <50 | N | N | 10 | 20 | N | 30 | N | 1,000 |
| 83ST059 | N | N | 15 | 20 | 30 | <50 | N | N | 10 | 30 | N | 20 | N | 2,000 |
| 83ST060 | N | N | 15 | <20 | 50 | 50 | N | N | 10 | 30 | N | 50 | N | 2,000 |
| 83ST061 | N | N | 100 | <20 | 70 | <50 | 10 | N | 10 | 70 | N | 30 | N | 1,500 |
| 83ST062S | N | N | 20 | 20 | 100 | <50 | N | N | 20 | 50 | N | 30 | N | 1,000 |
| 83ST063S | N | N | 10 | 50 | 50 | N | N | N | 10 | 30 | N | 70 | N | 1,500 |
| 83ST065 | N | N | 20 | 20 | 150 | N | 15 | N | 10 | 30 | N | 50 | N | 1,000 |
| 83ST067 | N | N | 70 | 200 | 500 | 50 | N | N | 30 | 300 | N | 50 | N | 700 |
| 83ST068 | N | N | 30 | 500 | 100 | <50 | N | N | 30 | 50 | N | 70 | N | 1,000 |
| 83ST069 | N | N | 20 | 150 | 70 | 50 | <10 | N | 15 | 50 | N | 30 | N | 1,000 |
| 83ST070 | N | N | 20 | 500 | 70 | <50 | <10 | N | 30 | 70 | N | 50 | N | 1,000 |
| 83ST071 | N | N | 10 | 200 | 50 | <50 | N | N | 10 | 50 | N | 50 | N | 1,000 |
| 83ST072 | N | N | 15 | 2,000 | 150 | <50 | N | N | 20 | 50 | N | 50 | N | 700 |
| 83ST073 | N | N | 70 | 2,000 | 500 | 100 | 20 | N | 30 | 50 | N | 50 | N | 500 |
| 83ST074 | N | N | 20 | 50 | 70 | <50 | N | N | 20 | 150 | N | 70 | N | 1,000 |
| 83ST075 | N | N | <10 | 200 | 30 | N | N | N | 10 | 30 | N | 30 | N | 1,000 |
| 83ST076 | N | N | 15 | 50 | 200 | N | N | N | 15 | 50 | N | 70 | N | 700 |
| 83ST077 | N | N | 20 | 500 | 100 | 50 | N | N | 30 | 50 | N | 50 | N | 500 |
| 83ST078 | N | N | 20 | 50 | 100 | N | N | N | 20 | 70 | N | 50 | N | 700 |
| 83ST079 | N | N | 30 | 50 | 200 | <50 | N | N | 30 | 100 | N | 50 | N | 700 |
| 83ST080 | N | N | 20 | 700 | 200 | 50 | N | N | 20 | 1,000 | N | 70 | N | 1,000 |
| 83ST081 | N | N | 15 | 30 | 70 | N | <10 | N | 15 | 30 | N | 50 | N | 700 |
| 83ST082 | N | N | 15 | 300 | 150 | N | N | N | 10 | 30 | N | 70 | N | 1,000 |
| 83ST083 | N | N | 15 | 20 | 30 | N | N | N | 10 | 30 | N | 50 | N | 1,000 |
| 83ST085 | N | N | 20 | 70 | 70 | <50 | N | N | 20 | 50 | N | 50 | N | 1,000 |
| 83ST086 | N | N | 15 | 200 | 50 | <50 | N | N | 15 | 30 | N | 50 | N | 1,000 |
| 83ST087 | N | N | 70 | 30 | 70 | <50 | N | N | 10 | 30 | N | 30 | N | 1,000 |
| 83ST088 | N | N | 20 | 100 | 70 | N | 10 | N | 20 | 70 | N | 50 | N | 700 |
| 83ST089 | N | N | 20 | 50 | 100 | N | N | N | 10 | 20 | N | 50 | N | 1,000 |
| 83ST090 | N | N | 20 | 50 | 100 | N | N | N | 20 | 30 | N | 30 | N | 1,500 |
| 83ST091 | N | N | 20 | 30 | 100 | N | N | N | 20 | <20 | N | 50 | N | 1,000 |
| 83ST092 | N | N | 20 | 30 | 70 | N | N | N | 15 | 20 | N | 50 | N | 3,000 |
| 83ST093 | N | N | 20 | 30 | 100 | N | N | N | 15 | <20 | N | 50 | N | 500 |
| 83ST094 | N | N | 20 | 70 | 150 | N | N | N | 15 | <20 | N | 50 | N | 500 |
| 83ST095S | N | N | 20 | 30 | 70 | N | N | N | 20 | <20 | N | 50 | N | 300 |
| 83ST096 | N | N | 15 | <20 | 70 | N | N | N | 15 | <20 | N | 30 | N | 1,500 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST048 | 700 | N | 50 | N | 20 | N |
| 83ST049S | 300 | N | 50 | N | 30 | N |
| 83ST050 | 700 | N | 30 | N | 30 | N |
| 83ST051 | 300 | N | 70 | N | 70 | N |
| 83ST052 | 700 | N | 100 | N | 200 | N |
| 83ST054 | 200 | N | 50 | N | 70 | N |
| 83ST055 | 700 | N | 50 | N | 30 | N |
| 83ST056 | 700 | N | 20 | N | <20 | N |
| 83ST057 | 500 | N | 30 | N | 30 | N |
| 83ST058 | 300 | N | 20 | N | 30 | N |
| 83ST059 | 200 | N | 20 | N | 50 | N |
| 83ST060 | 300 | N | 70 | N | 70 | N |
| 83ST061 | 200 | N | 50 | N | 50 | N |
| 83ST062S | 500 | N | 50 | N | 70 | N |
| 83ST063S | 300 | N | 30 | N | 50 | N |
| 83ST065 | 1,000 | N | 30 | N | <20 | N |
| 83ST067 | 700 | N | 300 | N | 50 | N |
| 83ST068 | 500 | N | 50 | N | 70 | N |
| 83ST069 | 500 | N | 50 | N | 70 | N |
| 83ST070 | 500 | N | 50 | N | 70 | N |
| 83ST071 | 300 | N | 50 | N | 30 | N |
| 83ST072 | 500 | N | 50 | N | 50 | N |
| 83ST073 | 700 | N | 70 | <500 | 30 | N |
| 83ST074 | 700 | N | 50 | N | 50 | N |
| 83ST075 | 200 | N | 50 | N | 50 | N |
| 83ST076 | 500 | N | 50 | N | 30 | N |
| 83ST077 | 500 | N | 50 | N | 70 | N |
| 83ST078 | 700 | N | 50 | N | 30 | N |
| 83ST079 | 500 | N | 50 | N | 30 | N |
| 83ST080 | 500 | N | 50 | N | 100 | N |
| 83ST081 | 500 | N | 50 | N | 30 | N |
| 83ST082 | 700 | N | 50 | N | 30 | N |
| 83ST083 | 700 | N | 50 | N | 50 | N |
| 83ST085 | 700 | N | 30 | N | 50 | N |
| 83ST086 | 300 | N | 50 | N | 50 | N |
| 83ST087 | 200 | N | 50 | N | 50 | N |
| 83ST088 | 700 | N | 30 | N | 30 | N |
| 83ST089 | 500 | N | 30 | N | 30 | N |
| 83ST090 | 700 | N | 30 | N | 30 | N |
| 83ST091 | 700 | N | 30 | N | 30 | N |
| 83ST092 | 500 | N | 30 | N | 30 | N |
| 83ST093 | 700 | N | 30 | N | 30 | N |
| 83ST094 | 1,000 | N | 30 | N | 30 | N |
| 83ST095S | 700 | N | 20 | N | 30 | N |
| 83ST096 | 700 | N | 30 | N | 30 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST097 | 18 20 44 | 64 56 55 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 50 | 150 | N |
| 83ST098 | 18 20 49 | 64 57 8 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 83ST099 | 18 20 58 | 64 57 46 | 10 | 1.50 | 7.00 | .50 | 2,000 | N | N | N | 50 | 200 | N |
| 83ST102S | 18 18 28 | 64 50 0 | 10 | 5.00 | 10.00 | .50 | 2,000 | N | N | N | N | <50 | N |
| 83ST103S | 18 18 57 | 64 49 55 | 7 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 20 | <50 | N |
| 83ST104S | 18 21 33 | 64 50 21 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 20 | 1,000 | <2 |
| 83ST105S | 18 21 44 | 64 49 32 | 10 | 2.00 | 15.00 | .70 | 1,500 | N | N | N | N | 300 | N |
| 83ST106S | 18 21 43 | 64 49 42 | 10 | 3.00 | 15.00 | 1.00 | 3,000 | N | N | N | N | <50 | N |
| 83ST108S | 18 21 50 | 64 52 12 | 10 | 5.00 | 7.00 | 1.00 | 3,000 | N | N | N | N | 150 | N |
| 83ST109S | 18 21 34 | 64 51 46 | 20 | 3.00 | 5.00 | 1.00 | 2,000 | N | N | N | 50 | 500 | N |
| 83ST110S | 18 20 48 | 64 51 45 | 10 | .50 | 20.00 | .70 | 2,000 | N | N | N | 20 | 50 | N |
| 83ST111S | 18 19 52 | 64 50 47 | 10 | 1.00 | 7.00 | 2.00 | 3,000 | N | N | N | N | 500 | N |
| 84SJ001 | 18 20 27 | 64 47 22 | 7 | .70 | 15.00 | 1.50 | 2,000 | N | N | N | 50 | 200 | N |
| 84SJ002 | 18 20 29 | 64 47 6 | 10 | 1.50 | 15.00 | 1.50 | 2,000 | N | N | N | 70 | 150 | N |
| 84SJ003 | 18 20 49 | 64 46 51 | 15 | 5.00 | 10.00 | 1.00 | 2,000 | N | N | N | 30 | 100 | N |
| 84SJ004 | 18 20 53 | 64 46 36 | 10 | 5.00 | 15.00 | .70 | 3,000 | N | N | N | 50 | 500 | N |
| 84SJ005 | 18 21 8 | 64 46 30 | 10 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 30 | 150 | N |
| 84SJ006 | 18 21 12 | 64 46 5 | 10 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 50 | 150 | N |
| 84SJ007 | 18 21 12 | 64 45 49 | 10 | 5.00 | 15.00 | .70 | 3,000 | N | N | N | 50 | 100 | N |
| 84SJ008 | 18 21 12 | 64 45 21 | 10 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 50 | 150 | N |
| 84SJ009 | 18 21 16 | 64 45 9 | 7 | 3.00 | 10.00 | .70 | 3,000 | N | N | N | 50 | 200 | N |
| 84SJ010 | 18 21 57 | 64 44 29 | 15 | 7.00 | 5.00 | .70 | 3,000 | N | N | N | 30 | 300 | N |
| 84SJ011 | 18 21 57 | 64 44 17 | 10 | 7.00 | 7.00 | 1.00 | 5,000 | N | N | N | 50 | 500 | N |
| 84SJ012 | 18 21 54 | 64 43 40 | 15 | 3.00 | 30.00 | 1.00 | 7,000 | N | N | N | 30 | 70 | N |
| 84SJ013 | 18 21 38 | 64 44 6 | 15 | 5.00 | 15.00 | .70 | 3,000 | N | N | N | 30 | 200 | N |
| 84SJ014 | 18 21 28 | 64 44 22 | 15 | 3.00 | 20.00 | 2.00 | 7,000 | N | N | N | 30 | 200 | N |
| 84SJ015 | 18 21 50 | 64 43 6 | 10 | 7.00 | 20.00 | 1.00 | 5,000 | N | N | N | 20 | 200 | N |
| 84SJ016 | 18 21 27 | 64 43 42 | 10 | 5.00 | 15.00 | 1.00 | 3,000 | N | N | N | 30 | 500 | N |
| 84SJ017 | 18 21 15 | 64 43 2 | 20 | 2.00 | 7.00 | >2.00 | 10,000 | N | N | N | 50 | 300 | N |
| 84SJ018 | 18 21 7 | 64 42 48 | 15 | 5.00 | 10.00 | 1.00 | 3,000 | N | N | N | 50 | 150 | N |
| 84SJ019 | 18 21 20 | 64 42 22 | 15 | 5.00 | 15.00 | 2.00 | 7,000 | N | N | N | 50 | 300 | N |
| 84SJ020 | 18 21 30 | 64 42 4 | 20 | 3.00 | 10.00 | 2.00 | 7,000 | N | N | N | 100 | 150 | N |
| 84SJ021 | 18 21 4 | 64 43 24 | 10 | 5.00 | 15.00 | 1.00 | 3,000 | N | N | N | 20 | 150 | N |
| 84SJ022 | 18 20 57 | 64 43 29 | 15 | 3.00 | 10.00 | 1.50 | 5,000 | N | N | N | 30 | 300 | <2 |
| 84SJ023 | 18 20 55 | 64 43 27 | 15 | 2.00 | 10.00 | 1.50 | 5,000 | N | N | N | 50 | 500 | <2 |
| 84SJ024 | 18 20 32 | 64 42 55 | 15 | 2.00 | 15.00 | 1.50 | 3,000 | N | N | N | 50 | 300 | N |
| 84SJ025 | 18 20 42 | 64 43 5 | 10 | 3.00 | 15.00 | 1.00 | 5,000 | N | N | N | 50 | 1,000 | N |
| 84SJ026 | 18 21 29 | 64 41 45 | 15 | 5.00 | 10.00 | 1.50 | 5,000 | N | N | N | 150 | 500 | N |
| 84SJ027 | 18 21 33 | 64 41 27 | 20 | 1.50 | 10.00 | 2.00 | 3,000 | N | N | N | <20 | 200 | N |
| 84SJ028 | 18 21 9 | 64 40 59 | 20 | 5.00 | 7.00 | >2.00 | 7,000 | N | N | N | N | 500 | <2 |
| 84SJ029 | 18 20 20 | 64 40 23 | 50 | 1.50 | 3.00 | >2.00 | 1,500 | N | N | N | N | 200 | N |
| 84SJ030 | 18 20 33 | 64 40 26 | 30 | 3.00 | 7.00 | >2.00 | 3,000 | N | N | N | N | 150 | N |
| 84SJ031 | 18 20 43 | 64 40 27 | 20 | 2.00 | 10.00 | 2.00 | 3,000 | N | N | N | N | 300 | N |
| 84SJ032 | 18 20 17 | 64 42 49 | 10 | 2.00 | 15.00 | 2.00 | 2,000 | N | N | N | 30 | 200 | N |
| 84SJ033 | 18 20 3 | 64 42 31 | 30 | 1.50 | 10.00 | 1.50 | 2,000 | 3.0 | N | N | 30 | 300 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST097 | N | N | 20 | 150 | 100 | <50 | N | N | 20 | 150 | N | 70 | N | 1,500 |
| 83ST098 | N | N | 20 | 70 | 100 | N | N | N | 20 | 30 | N | 50 | N | 1,000 |
| 83ST099 | N | N | 20 | 70 | 100 | N | N | N | 20 | 30 | N | 50 | N | 1,000 |
| 83ST102S | N | N | 30 | 700 | 150 | <50 | N | N | 70 | 50 | N | 70 | N | 300 |
| 83ST103S | N | N | 15 | 150 | 50 | <50 | N | N | 20 | 70 | N | 50 | N | 1,000 |
| 83ST104S | N | N | 20 | 50 | 500 | <50 | <10 | N | 50 | 30 | N | 20 | N | 700 |
| 83ST105S | N | N | 15 | 50 | 200 | N | N | N | 20 | 50 | N | 20 | N | 1,500 |
| 83ST106S | N | N | 50 | 30 | 100 | N | N | N | 20 | 20 | N | 30 | N | <200 |
| 83ST108S | N | N | 50 | 70 | 150 | N | N | N | 50 | 20 | N | 70 | N | 500 |
| 83ST109S | N | N | 70 | 20 | 1,000 | N | N | N | 70 | 100 | N | 50 | N | 1,000 |
| 83ST110S | N | N | 20 | 50 | 100 | <50 | N | N | 30 | <20 | N | 15 | N | 300 |
| 83ST111S | <20 | N | 50 | <20 | 500 | N | N | N | 20 | 30 | N | 50 | N | 500 |
| 84SJ001 | N | N | <10 | 20 | 150 | 50 | N | N | 10 | 50 | N | 15 | N | 1,000 |
| 84SJ002 | N | N | 15 | 200 | 100 | <50 | N | N | 20 | 30 | N | 15 | N | 1,500 |
| 84SJ003 | N | N | 100 | 50 | 300 | N | N | N | 50 | <20 | N | 10 | N | 700 |
| 84SJ004 | N | N | 50 | 100 | 150 | 50 | N | N | 30 | 20 | N | 15 | N | 1,500 |
| 84SJ005 | N | N | 20 | 50 | 150 | <50 | N | N | 20 | 20 | N | 20 | N | 1,000 |
| 84SJ006 | N | N | 20 | 50 | 150 | <50 | N | N | 15 | 20 | N | 15 | N | 1,000 |
| 84SJ007 | N | N | 20 | 100 | 150 | <50 | N | N | 30 | <20 | N | 20 | N | 1,000 |
| 84SJ008 | N | N | 20 | 150 | 150 | <50 | N | N | 20 | 20 | N | 20 | N | 1,500 |
| 84SJ009 | N | N | 20 | 70 | 100 | <50 | N | N | 30 | 20 | N | 10 | N | 700 |
| 84SJ010 | N | N | 70 | 100 | 300 | N | N | N | 150 | <20 | N | 15 | N | <200 |
| 84SJ011 | N | N | 50 | 70 | 150 | N | N | N | 30 | 20 | N | 15 | N | 300 |
| 84SJ012 | N | N | 50 | 70 | 100 | N | N | N | 20 | <20 | N | 10 | N | 300 |
| 84SJ013 | N | N | 50 | 200 | 200 | N | N | N | 50 | 50 | N | 15 | N | 500 |
| 84SJ014 | N | N | 50 | 300 | 200 | N | N | N | 70 | 50 | N | 15 | N | 1,000 |
| 84SJ015 | N | N | 50 | 100 | 150 | N | N | N | 150 | <20 | N | 15 | N | 200 |
| 84SJ016 | N | N | 50 | 70 | 150 | N | N | N | 30 | <20 | N | 20 | N | 300 |
| 84SJ017 | N | N | 70 | 50 | 300 | <50 | N | N | 30 | 70 | N | 15 | N | 300 |
| 84SJ018 | N | N | 50 | 70 | 150 | N | N | N | 70 | <20 | N | 15 | N | 300 |
| 84SJ019 | N | N | 50 | 70 | 150 | <50 | N | N | 50 | 30 | N | 15 | N | 1,000 |
| 84SJ020 | N | N | 70 | 50 | 150 | 100 | N | N | 50 | 100 | N | 15 | 700 | 500 |
| 84SJ021 | N | N | 30 | 150 | 100 | N | N | N | 50 | 30 | N | 20 | N | 500 |
| 84SJ022 | N | N | 20 | 100 | 150 | 50 | N | N | 30 | 30 | N | 10 | N | 700 |
| 84SJ023 | N | N | 30 | 20 | 300 | <50 | N | N | 20 | 70 | N | 10 | N | 700 |
| 84SJ024 | N | N | 20 | 1,000 | 150 | 50 | N | N | 30 | 100 | N | 10 | 150 | 1,000 |
| 84SJ025 | N | N | 50 | 700 | 150 | <50 | N | N | 30 | 50 | N | 10 | N | 1,000 |
| 84SJ026 | N | N | 70 | 150 | 300 | <50 | N | N | 30 | 70 | N | 10 | N | 700 |
| 84SJ027 | N | N | 100 | 1,000 | 500 | N | N | N | 50 | 20 | N | <10 | N | N |
| 84SJ028 | N | N | 100 | 70 | 700 | N | N | N | 30 | 20 | N | 20 | N | N |
| 84SJ029 | N | N | 300 | 100 | 1,000 | 50 | N | N | 50 | 30 | N | 15 | N | N |
| 84SJ030 | N | N | 70 | 150 | 200 | N | N | N | 70 | 20 | N | 15 | N | <200 |
| 84SJ031 | N | N | 70 | 100 | 500 | N | N | N | 50 | 30 | N | 10 | N | 700 |
| 84SJ032 | N | N | 15 | 700 | 150 | N | N | N | 30 | 100 | N | 15 | N | 1,000 |
| 84SJ033 | N | N | 300 | 1,000 | 1,500 | N | N | N | 70 | 70 | N | 10 | N | 1,000 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST097 | 1,000 | N | 50 | N | 50 | N |
| 83ST098 | 1,000 | N | 30 | N | 30 | N |
| 83ST099 | 1,000 | N | 30 | N | 30 | N |
| 83ST102S | 500 | N | 30 | N | 20 | N |
| 83ST103S | 500 | N | 50 | N | 50 | N |
| 83ST104S | 500 | N | 20 | N | 50 | N |
| 83ST105S | 500 | N | 20 | N | 50 | N |
| 83ST106S | 700 | N | 30 | N | 30 | N |
| 83ST108S | 700 | N | 20 | N | 50 | N |
| 83ST109S | 1,000 | N | 30 | N | 50 | N |
| 83ST110S | 300 | N | 50 | N | 70 | N |
| 83ST111S | 1,000 | N | 50 | N | 100 | N |
| 84SJ001 | 700 | N | 70 | N | 200 | N |
| 84SJ002 | 1,500 | N | 50 | N | 200 | N |
| 84SJ003 | 700 | N | 50 | N | 70 | N |
| 84SJ004 | 700 | N | 30 | N | 100 | N |
| 84SJ005 | 1,000 | N | 50 | N | 100 | N |
| 84SJ006 | 700 | N | 50 | N | 100 | N |
| 84SJ007 | 1,500 | N | 50 | N | 100 | N |
| 84SJ008 | 1,500 | N | 70 | N | 100 | N |
| 84SJ009 | 700 | N | 50 | N | 100 | N |
| 84SJ010 | 1,000 | N | 50 | N | 100 | N |
| 84SJ011 | 700 | N | 50 | N | 100 | N |
| 84SJ012 | 1,500 | N | 50 | N | 100 | N |
| 84SJ013 | 1,500 | N | 50 | N | 100 | N |
| 84SJ014 | 1,500 | N | 70 | N | 150 | N |
| 84SJ015 | 1,500 | N | 50 | N | 100 | N |
| 84SJ016 | 1,500 | N | 30 | N | 100 | N |
| 84SJ017 | 500 | N | 100 | 3,000 | 700 | N |
| 84SJ018 | 1,000 | N | 50 | N | 70 | N |
| 84SJ019 | 700 | N | 70 | N | 100 | N |
| 84SJ020 | 700 | N | 150 | N | 150 | N |
| 84SJ021 | 700 | N | 50 | N | 100 | N |
| 84SJ022 | 700 | N | 50 | N | 150 | N |
| 84SJ023 | 1,000 | N | 70 | N | 150 | N |
| 84SJ024 | 1,000 | N | 70 | N | 150 | N |
| 84SJ025 | 1,000 | N | 70 | N | 100 | N |
| 84SJ026 | 1,000 | N | 70 | N | 1,500 | N |
| 84SJ027 | 2,000 | N | 70 | N | 100 | N |
| 84SJ028 | 700 | N | 300 | N | 200 | N |
| 84SJ029 | 1,000 | N | 500 | N | 100 | N |
| 84SJ030 | 1,000 | N | 200 | N | 100 | N |
| 84SJ031 | 700 | N | 70 | N | 100 | N |
| 84SJ032 | 700 | N | 70 | N | 100 | N |
| 84SJ033 | 1,000 | N | 300 | N | 100 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ034 | 18 19 44 | 64 42 14 | 15 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 20 | 70 | N |
| 84SJ035 | 18 19 19 | 64 42 5 | 15 | 1.00 | 7.00 | >2.00 | 2,000 | N | N | N | 20 | 150 | <2 |
| 84SJ036 | 18 19 10 | 64 42 23 | 15 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 20 | 20 | N |
| 84SJ037 | 18 19 3 | 64 42 45 | 15 | 1.00 | 15.00 | 1.50 | 3,000 | N | N | N | 50 | 70 | N |
| 84SJ038 | 18 19 15 | 64 43 9 | 10 | 1.00 | 20.00 | 1.00 | 2,000 | N | N | N | 50 | 100 | <2 |
| 84SJ039 | 18 19 46 | 64 43 4 | 7 | 1.00 | 20.00 | .50 | 2,000 | N | N | N | 30 | 70 | <2 |
| 84SJ040 | 18 19 50 | 64 43 5 | 10 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 50 | 200 | N |
| 84SJ041 | 18 19 49 | 64 43 11 | 7 | 1.50 | 15.00 | 1.00 | 7,000 | N | N | N | 30 | 700 | N |
| 84SJ042 | 18 19 39 | 64 43 20 | 10 | 1.00 | 15.00 | 1.50 | 3,000 | N | N | N | 50 | 100 | <2 |
| 84SJ043 | 18 19 32 | 64 43 18 | 15 | .70 | 15.00 | 1.50 | 3,000 | N | N | N | 50 | 300 | <2 |
| 84SJ044 | 18 19 24 | 64 44 4 | 15 | .50 | 15.00 | .70 | 2,000 | N | N | N | 70 | 150 | <2 |
| 84SJ045 | 18 19 24 | 64 43 50 | 10 | 1.50 | 15.00 | 1.00 | 3,000 | N | N | N | 70 | 300 | N |
| 84SJ046 | 18 19 26 | 64 43 44 | 15 | 1.00 | 20.00 | 1.50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ048 | 18 19 39 | 64 45 57 | 10 | 5.00 | 15.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ049 | 18 19 44 | 64 45 48 | 15 | 1.50 | 15.00 | 1.00 | 2,000 | N | N | N | 100 | 50 | N |
| 84SJ050 | 18 19 35 | 64 45 30 | 10 | 1.00 | 20.00 | 1.00 | 1,500 | N | N | N | 100 | 50 | N |
| 84SJ051 | 18 19 29 | 64 45 27 | 15 | 1.00 | 15.00 | .50 | 2,000 | N | N | N | 50 | 200 | <2 |
| 84SJ053 | 18 20 27 | 64 45 32 | 10 | 2.00 | 20.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SJ054 | 18 20 29 | 64 45 34 | 10 | 1.50 | 20.00 | .70 | 2,000 | N | N | N | 50 | 70 | N |
| 84SJ055 | 18 20 19 | 64 45 36 | 10 | 1.00 | 20.00 | .50 | 2,000 | N | N | N | 50 | 70 | N |
| 84SJ056 | 18 20 21 | 64 45 41 | 10 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SJ057 | 18 20 7 | 64 45 42 | 15 | 1.50 | 20.00 | 1.00 | 2,000 | N | N | N | 70 | 70 | N |
| 84SJ058 | 18 20 4 | 64 45 51 | 10 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 70 | 150 | N |
| 84SJ059 | 18 19 22 | 64 46 48 | 15 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ070 | 18 20 39 | 64 46 18 | 15 | 1.50 | 20.00 | .70 | 2,000 | N | N | N | 70 | 200 | N |
| 84SJ071 | 18 20 32 | 64 46 7 | 10 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 50 | 150 | N |
| 84SJ072 | 18 20 43 | 64 45 40 | 10 | 1.00 | 20.00 | .70 | 2,000 | N | N | N | 70 | 70 | N |
| 84SJ073 | 18 20 20 | 64 46 22 | 10 | 2.00 | 15.00 | .50 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ074 | 18 20 9 | 64 46 13 | 15 | 1.00 | 15.00 | .70 | 3,000 | N | N | N | 70 | 100 | N |
| 84SJ075 | 18 20 5 | 64 46 16 | 15 | 1.50 | 15.00 | 1.00 | 1,500 | N | N | N | 70 | 300 | N |
| 84SJ076 | 18 20 4 | 64 46 37 | 15 | 1.00 | 15.00 | 1.50 | 2,000 | N | N | N | 100 | 300 | N |
| 84SJ077 | 18 20 7 | 64 46 36 | 10 | 1.50 | 15.00 | .70 | 2,000 | N | N | N | 70 | 150 | N |
| 84SJ078 | 18 19 47 | 64 46 40 | 10 | 3.00 | 15.00 | .70 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ079 | 18 20 10 | 64 47 27 | 10 | 1.00 | 15.00 | .70 | 1,500 | N | N | N | 50 | 70 | N |
| 84SJ081 | 18 20 50 | 64 44 31 | 20 | 2.00 | 10.00 | >2.00 | 5,000 | N | N | N | 20 | 300 | N |
| 84SJ082 | 18 20 51 | 64 44 32 | 15 | 2.00 | 15.00 | 2.00 | 7,000 | N | N | N | 20 | 300 | N |
| 84SJ083 | 18 20 31 | 64 44 27 | 15 | 1.50 | 15.00 | 2.00 | 2,000 | N | N | N | 30 | 150 | N |
| 84SJ084 | 18 20 28 | 64 44 30 | 10 | 1.50 | 15.00 | .70 | 1,500 | N | N | N | 70 | 100 | N |
| 84SJ085 | 18 20 14 | 64 44 23 | 15 | 1.50 | 15.00 | 1.00 | 3,000 | N | N | N | 50 | 500 | <2 |
| 84SJ086 | 18 19 58 | 64 44 23 | 15 | 2.00 | 15.00 | 2.00 | 2,000 | 1.5 | N | N | 50 | 300 | <2 |
| 84SJ087 | 18 19 44 | 64 44 27 | 15 | 1.00 | 15.00 | 1.00 | 2,000 | N | N | N | 100 | 200 | <2 |
| 84SJ088 | 18 21 17 | 64 47 36 | 15 | 2.00 | 15.00 | 2.00 | 2,000 | N | N | N | 20 | 300 | N |
| 84SJ089 | 18 21 28 | 64 47 24 | 20 | 1.50 | 20.00 | 1.50 | 2,000 | N | N | N | 50 | 200 | N |
| 84SJ090 | 18 21 45 | 64 48 31 | 30 | 2.00 | 5.00 | >2.00 | 3,000 | N | N | N | 20 | 200 | N |
| 84SJ091 | 18 21 38 | 64 49 0 | 20 | 3.00 | 15.00 | 2.00 | 3,000 | N | N | N | 20 | 200 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ034 | N | N | 50 | 70 | 700 | N | N | N | 50 | 50 | N | 10 | N | 700 |
| 84SJ035 | N | N | 30 | 150 | 700 | N | N | N | 30 | 50 | N | <10 | N | 700 |
| 84SJ036 | N | N | 70 | 150 | 500 | N | N | N | 100 | 50 | N | 15 | N | 500 |
| 84SJ037 | N | N | 30 | 3,000 | 150 | N | N | N | 50 | 50 | N | 15 | N | 1,500 |
| 84SJ038 | N | N | 20 | 1,500 | 70 | N | N | N | 20 | 50 | N | 10 | N | 1,500 |
| 84SJ039 | N | N | 20 | 200 | 50 | 50 | N | N | 20 | 50 | N | 10 | N | 2,000 |
| 84SJ040 | N | N | 20 | 500 | 150 | N | N | N | 20 | 70 | N | 10 | N | 1,000 |
| 84SJ041 | N | N | 15 | 100 | 70 | <50 | N | N | 15 | 100 | N | <10 | N | 1,000 |
| 84SJ042 | N | N | 15 | 200 | 150 | N | N | N | 15 | 50 | N | 10 | N | 1,000 |
| 84SJ043 | N | N | 20 | 700 | 70 | 50 | N | N | 20 | 50 | N | 10 | N | 1,500 |
| 84SJ044 | N | N | <10 | 1,500 | 70 | <50 | N | N | 20 | 70 | N | <10 | N | 1,500 |
| 84SJ045 | N | N | 20 | 50 | 100 | 50 | N | N | 20 | 50 | N | <10 | N | 1,500 |
| 84SJ046 | N | N | 15 | 70 | 100 | <50 | N | N | 20 | 50 | N | 10 | N | 1,500 |
| 84SJ048 | N | N | 30 | 200 | 150 | <50 | N | N | 30 | 20 | N | 15 | N | 1,500 |
| 84SJ049 | N | N | 20 | 700 | 150 | N | N | N | 30 | 30 | N | 10 | N | 1,500 |
| 84SJ050 | N | N | 15 | 300 | 100 | N | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ051 | N | N | 20 | 50 | 700 | N | N | N | 20 | 300 | N | <10 | N | 1,500 |
| 84SJ053 | N | N | 20 | 100 | 100 | <50 | N | N | 30 | 20 | N | 20 | N | 2,000 |
| 84SJ054 | N | N | 15 | 150 | 100 | N | N | N | 30 | 30 | N | 20 | N | 2,000 |
| 84SJ055 | N | N | 15 | 150 | 70 | N | N | N | 20 | 20 | N | <10 | N | 1,500 |
| 84SJ056 | N | N | 20 | 200 | 100 | <50 | N | N | 30 | 20 | N | 10 | N | 1,500 |
| 84SJ057 | N | N | 15 | 70 | 100 | N | N | N | 30 | 20 | N | 15 | N | 1,500 |
| 84SJ058 | N | N | 20 | 50 | 70 | N | N | N | 30 | 20 | N | 10 | N | 1,500 |
| 84SJ059 | N | N | 20 | 200 | 200 | N | N | N | 30 | 50 | N | 15 | N | 1,500 |
| 84SJ070 | N | N | 15 | 100 | 150 | <50 | N | N | 30 | 50 | N | 20 | N | 2,000 |
| 84SJ071 | N | N | 15 | 100 | 100 | N | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ072 | N | N | 20 | 100 | 100 | N | N | N | 20 | 30 | N | 20 | N | 200 |
| 84SJ073 | N | N | 15 | 50 | 150 | <50 | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ074 | N | N | 15 | 100 | 100 | N | N | N | 20 | 30 | N | 20 | N | 1,500 |
| 84SJ075 | N | N | 20 | 100 | 150 | <50 | N | N | 20 | 30 | N | 10 | N | 1,500 |
| 84SJ076 | N | N | 20 | 700 | 150 | <50 | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ077 | N | N | 15 | 150 | 100 | N | N | N | 20 | 30 | N | 15 | N | 2,000 |
| 84SJ078 | N | N | 15 | 150 | 150 | N | N | N | 30 | 30 | N | 20 | N | 2,000 |
| 84SJ079 | N | N | 10 | 200 | 70 | <50 | N | N | 30 | 50 | N | 15 | N | 2,000 |
| 84SJ081 | N | N | 100 | 500 | 300 | <50 | N | N | 50 | 50 | N | 15 | N | 700 |
| 84SJ082 | N | N | 30 | 500 | 200 | <50 | N | N | 50 | 50 | N | 15 | N | 1,000 |
| 84SJ083 | N | N | 20 | 1,000 | 100 | N | N | N | 30 | 30 | N | 15 | N | 1,500 |
| 84SJ084 | N | N | 20 | 100 | 70 | N | N | N | 30 | 30 | N | 10 | N | 1,500 |
| 84SJ085 | N | N | 30 | 500 | 200 | <50 | N | N | 30 | 50 | N | 10 | N | 1,500 |
| 84SJ086 | N | N | 30 | 70 | 500 | N | 30 | N | 30 | 50 | N | <10 | N | 1,000 |
| 84SJ087 | N | N | 20 | 50 | 100 | N | N | N | 15 | 30 | N | <10 | N | 1,500 |
| 84SJ088 | N | N | 70 | 200 | 200 | 50 | N | N | 70 | 50 | N | 20 | N | 1,500 |
| 84SJ089 | N | N | 50 | 5,000 | 200 | <50 | N | N | 30 | 50 | N | 20 | N | 2,000 |
| 84SJ090 | N | N | 70 | 70 | 700 | <50 | N | N | 70 | 50 | N | <10 | N | <200 |
| 84SJ091 | N | N | 70 | 70 | 700 | N | N | N | 50 | 20 | N | <10 | N | <200 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ034 | 1,000 | N | 70 | N | 200 | N |
| 84SJ035 | 1,000 | N | 70 | N | 150 | N |
| 84SJ036 | 1,000 | N | 50 | N | 50 | N |
| 84SJ037 | 1,500 | N | 70 | N | 70 | N |
| 84SJ038 | 700 | N | 70 | N | 100 | N |
| 84SJ039 | 500 | N | 100 | N | 150 | N |
| 84SJ040 | 700 | N | 70 | N | 70 | N |
| 84SJ041 | 700 | N | 70 | N | 100 | N |
| 84SJ042 | 700 | N | 70 | N | 150 | N |
| 84SJ043 | 700 | N | 70 | N | 150 | N |
| 84SJ044 | 700 | N | 50 | N | 100 | N |
| 84SJ045 | 1,000 | N | 50 | N | 150 | N |
| 84SJ046 | 1,500 | N | 70 | N | 150 | N |
| 84SJ048 | 1,500 | N | 50 | N | 100 | N |
| 84SJ049 | 1,500 | N | 50 | N | 70 | N |
| 84SJ050 | 1,500 | N | 70 | N | 100 | N |
| 84SJ051 | 1,000 | N | 70 | <500 | 100 | N |
| 84SJ053 | 1,500 | N | 70 | N | 100 | N |
| 84SJ054 | 1,000 | N | 50 | N | 100 | N |
| 84SJ055 | 1,000 | N | 50 | N | 100 | N |
| 84SJ056 | 1,000 | N | 50 | N | 100 | N |
| 84SJ057 | 1,500 | N | 50 | N | 70 | N |
| 84SJ058 | 1,500 | N | 50 | N | 100 | N |
| 84SJ059 | 1,500 | N | 50 | N | 100 | N |
| 84SJ070 | 1,500 | N | 70 | N | 100 | N |
| 84SJ071 | 1,500 | N | 50 | N | 100 | N |
| 84SJ072 | 1,500 | N | 70 | N | 100 | N |
| 84SJ073 | 1,000 | N | 50 | N | 70 | N |
| 84SJ074 | 1,500 | N | 70 | N | 100 | N |
| 84SJ075 | 1,000 | N | 50 | N | 100 | N |
| 84SJ076 | 1,500 | N | 70 | N | 150 | N |
| 84SJ077 | 1,000 | N | 50 | N | 100 | N |
| 84SJ078 | 1,500 | N | 50 | N | 100 | N |
| 84SJ079 | 1,000 | N | 50 | N | 150 | N |
| 84SJ081 | 1,000 | N | 70 | N | 200 | N |
| 84SJ082 | 1,000 | N | 70 | N | 100 | N |
| 84SJ083 | 1,000 | N | 70 | N | 100 | N |
| 84SJ084 | 700 | N | 70 | N | 150 | N |
| 84SJ085 | 1,000 | N | 70 | N | 100 | N |
| 84SJ086 | 1,000 | N | 70 | N | 150 | N |
| 84SJ087 | 700 | N | 50 | N | 150 | N |
| 84SJ088 | 1,500 | N | 70 | N | 200 | N |
| 84SJ089 | 1,000 | N | 70 | N | 100 | N |
| 84SJ090 | 1,000 | N | 70 | N | 70 | N |
| 84SJ091 | 700 | N | 50 | N | 70 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ092 | 18 21 41 | 64 49 16 | 20 | 1.50 | 30.00 | 1.50 | 7,000 | 1.0 | 700 | N | 20 | 500 | <2 |
| 84SJ093 | 18 21 43 | 64 49 31 | 15 | 5.00 | 20.00 | 1.50 | 2,000 | N | N | N | <20 | 700 | N |
| 84SJ094 | 18 22 9 | 64 48 25 | 30 | 2.00 | 5.00 | 1.50 | 3,000 | N | N | N | 50 | 700 | <2 |
| 84SJ095 | 18 21 55 | 64 48 12 | 20 | 3.00 | 7.00 | 2.00 | 3,000 | N | N | N | 20 | 700 | N |
| 84SJ096 | 18 22 18 | 64 45 26 | 20 | 5.00 | 7.00 | >2.00 | 7,000 | N | N | N | N | 300 | N |
| 84SJ097 | 18 22 13 | 64 44 55 | 10 | 3.00 | 20.00 | 2.00 | 5,000 | N | N | N | N | 150 | N |
| 84SJ098 | 18 22 21 | 64 44 20 | 20 | 5.00 | 10.00 | >2.00 | 7,000 | N | N | N | 20 | 150 | N |
| 84SJ099 | 18 22 3 | 64 43 5 | 15 | 3.00 | 30.00 | >2.00 | 5,000 | N | N | N | 20 | 200 | N |
| 84SJ100 | 18 21 44 | 64 42 32 | 15 | 3.00 | 20.00 | 1.50 | 7,000 | N | N | N | 30 | 100 | N |
| 84SJ101 | 18 20 58 | 64 41 11 | 20 | 5.00 | 15.00 | >2.00 | 5,000 | N | N | N | 20 | <50 | N |
| 84SJ102 | 18 20 49 | 64 41 27 | 15 | 3.00 | 15.00 | 1.00 | 2,000 | N | N | N | 20 | <50 | N |
| 84SJ103 | 18 20 18 | 64 40 6 | 30 | 3.00 | 3.00 | 2.00 | 1,500 | N | N | N | 20 | 300 | 2 |
| 84SJ104 | 18 20 44 | 64 40 10 | 20 | 3.00 | 7.00 | 2.00 | 2,000 | N | N | N | 20 | 500 | <2 |
| 84SJ105 | 18 21 48 | 64 41 43 | 15 | 7.00 | 15.00 | 2.00 | 5,000 | N | N | N | 70 | 70 | N |
| 84SJ106 | 18 18 59 | 64 43 15 | 15 | 2.00 | 15.00 | 1.00 | 1,500 | N | N | N | 50 | 70 | N |
| 84SJ107 | 18 18 40 | 64 42 36 | 15 | 1.50 | 20.00 | 1.00 | 1,500 | N | N | N | 50 | 100 | N |
| 84SJ108 | 18 18 22 | 64 42 13 | 15 | 2.00 | 15.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 84SJ109 | 18 19 8 | 64 41 21 | 20 | .50 | 7.00 | >2.00 | 1,500 | N | N | N | 50 | <50 | N |
| 84SJ110 | 18 19 43 | 64 39 5 | 30 | .50 | 15.00 | >2.00 | 5,000 | N | N | N | 20 | <50 | N |
| 84SJ200 | 18 20 46 | 64 44 59 | 15 | 1.50 | 15.00 | .70 | 1,500 | N | N | N | 50 | 70 | N |
| 84SJ201 | 18 20 47 | 64 44 56 | 10 | .50 | 20.00 | .70 | 2,000 | N | N | N | 70 | 70 | N |
| 84SJ202 | 18 20 40 | 64 44 52 | 10 | .70 | 20.00 | .50 | 2,000 | N | N | N | 70 | 100 | <2 |
| 84SJ203 | 18 20 35 | 64 44 59 | 15 | 2.00 | 20.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SJ205 | 18 20 22 | 64 44 48 | 15 | 1.00 | 15.00 | 1.00 | 2,000 | N | N | N | 50 | 100 | N |
| 84SJ206 | 18 20 14 | 64 44 52 | 15 | 1.50 | 15.00 | 1.50 | 2,000 | N | N | N | 70 | 100 | N |
| 84SJ207 | 18 19 38 | 64 44 56 | 15 | 1.50 | 15.00 | 1.00 | 2,000 | N | N | N | 70 | <50 | N |
| 84SJ605 | 18 19 47 | 64 45 55 | 5 | .70 | 5.00 | .20 | 700 | N | N | N | 30 | 70 | N |
| 84SJ606 | 18 21 14 | 64 45 13 | 3 | .20 | 5.00 | .30 | 700 | N | N | N | 30 | <50 | <2 |
| 84SJ608 | 18 21 27 | 64 44 54 | 5 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 20 | <50 | N |
| 84SJ613 | 18 21 57 | 64 43 12 | 5 | 2.00 | 7.00 | .30 | 1,000 | N | N | N | 20 | 200 | N |
| 84SJ614 | 18 21 35 | 64 44 16 | 7 | 2.00 | 5.00 | .50 | 2,000 | N | N | N | N | <50 | N |
| 84SJ622 | 18 20 19 | 64 47 36 | 5 | .70 | 5.00 | .70 | 1,500 | N | N | N | 30 | <50 | N |
| 84SJ625 | 18 20 3 | 64 47 1 | 7 | .70 | 5.00 | .50 | 1,500 | N | N | N | 30 | <50 | N |
| 84SJ629 | 18 19 38 | 64 47 39 | 5 | .50 | 7.00 | .30 | 1,000 | N | N | N | 20 | <50 | N |
| 84SJ631 | 18 19 10 | 64 47 23 | 15 | .07 | <.10 | .10 | 200 | 3.0 | <500 | N | 20 | 10,000 | N |
| 84SJ639 | 18 20 44 | 64 45 57 | 5 | 1.00 | 7.00 | .30 | 1,000 | N | N | N | 30 | <50 | N |
| 84SJ641 | 18 19 12 | 64 45 33 | 10 | .30 | .70 | .30 | 1,000 | N | N | N | <20 | 500 | N |
| 84SJ646 | 18 20 18 | 64 40 29 | 20 | 1.50 | 2.00 | 2.00 | 3,000 | N | N | N | 20 | 500 | 2 |
| 84SJ649 | 18 21 17 | 64 41 13 | 20 | .30 | .10 | >2.00 | 1,500 | N | N | N | 20 | 200 | N |
| 84SJ653 | 18 21 14 | 64 42 22 | 7 | 3.00 | 5.00 | 1.50 | 3,000 | N | N | N | 20 | 200 | N |
| 84SJ655 | 18 19 44 | 64 46 55 | 7 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 30 | N | N |
| 84SJ657 | 18 19 50 | 64 47 47 | 7 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 50 | <50 | N |
| 84SJ658 | 18 19 44 | 64 46 51 | 5 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 20 | <50 | N |
| 84SJ659 | 18 19 40 | 64 46 37 | 5 | 1.50 | 7.00 | .50 | 1,000 | N | N | N | 50 | N | N |
| 84SJ660 | 18 19 47 | 64 46 37 | 5 | 1.50 | 7.00 | .50 | 1,000 | N | N | N | 50 | <50 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ092 | N | N | 20 | 70 | 500 | N | N | N | 30 | 1,500 | N | <10 | 100 | 700 |
| 84SJ093 | N | N | 20 | 70 | 200 | <50 | N | N | 30 | 70 | N | 10 | N | 5,000 |
| 84SJ094 | N | N | 100 | 50 | 1,500 | <50 | N | N | 30 | 500 | N | <10 | N | 300 |
| 84SJ095 | N | N | 50 | 50 | 700 | N | N | N | 50 | 50 | N | 10 | N | 700 |
| 84SJ096 | N | N | 30 | 100 | 500 | <50 | N | N | 30 | 20 | N | 15 | N | 200 |
| 84SJ097 | N | N | 20 | 70 | 100 | <50 | N | N | 20 | <20 | N | <10 | N | 300 |
| 84SJ098 | N | N | 50 | 70 | 200 | 50 | N | N | 20 | <20 | N | 15 | N | 200 |
| 84SJ099 | N | N | 30 | 150 | 150 | N | N | N | 50 | <20 | N | <10 | N | <200 |
| 84SJ100 | N | N | 20 | 70 | 100 | <50 | N | N | 50 | 20 | N | <10 | N | 300 |
| 84SJ101 | N | N | 30 | 700 | 150 | N | N | N | 50 | 20 | N | 10 | N | 500 |
| 84SJ102 | N | N | 150 | 500 | 700 | N | N | N | 50 | 50 | N | <10 | N | 700 |
| 84SJ103 | N | N | 100 | 200 | 500 | N | N | N | 50 | <20 | N | 10 | N | N |
| 84SJ104 | N | N | 200 | 200 | 1,000 | <50 | N | N | 70 | 20 | N | <10 | N | 500 |
| 84SJ105 | N | N | 70 | 500 | 100 | N | N | N | 50 | <20 | N | 15 | N | N |
| 84SJ106 | N | N | 15 | 1,000 | 70 | N | N | N | 30 | 20 | N | <10 | N | 1,000 |
| 84SJ107 | N | N | 10 | 20 | 70 | N | N | N | 20 | 20 | N | 15 | N | 1,000 |
| 84SJ108 | N | N | 20 | 100 | 150 | N | N | N | 50 | 20 | N | <10 | N | 500 |
| 84SJ109 | N | N | 15 | 100 | 150 | <50 | N | N | 15 | 30 | N | 10 | N | 1,000 |
| 84SJ110 | N | N | 70 | 20 | 50 | N | N | N | 20 | 30 | N | 20 | N | 1,500 |
| 84SJ200 | N | N | 30 | 150 | 150 | <50 | N | N | 20 | 70 | N | 10 | N | 1,500 |
| 84SJ201 | N | N | <10 | 50 | 50 | N | N | N | 20 | 50 | N | 10 | N | 1,500 |
| 84SJ202 | N | N | <10 | 50 | 30 | N | N | N | 15 | 50 | N | 10 | N | 1,500 |
| 84SJ203 | N | N | 15 | 150 | 70 | N | N | N | 20 | 30 | N | 20 | N | 1,500 |
| 84SJ205 | N | N | 15 | 700 | 70 | <50 | N | N | 30 | 50 | N | 10 | N | 2,000 |
| 84SJ206 | N | N | 20 | 100 | 70 | N | N | N | 20 | 30 | N | <10 | N | 1,500 |
| 84SJ207 | N | N | 15 | 150 | 70 | N | N | N | 30 | <20 | N | 10 | N | 1,500 |
| 84SJ605 | N | N | 15 | 100 | 50 | <50 | N | N | 10 | <20 | N | 50 | N | 700 |
| 84SJ606 | N | N | 10 | 500 | 50 | N | N | N | 10 | <20 | N | 50 | N | 700 |
| 84SJ608 | N | N | 50 | 20 | 50 | N | N | N | 20 | N | N | 70 | N | <200 |
| 84SJ613 | N | N | 20 | 300 | 70 | N | N | N | 70 | 50 | N | 50 | N | 300 |
| 84SJ614 | N | N | 50 | 500 | 150 | N | 30 | N | 200 | <20 | N | 70 | N | 300 |
| 84SJ622 | N | N | 20 | 150 | 70 | N | N | N | 50 | 20 | N | 30 | N | 1,000 |
| 84SJ625 | N | N | 20 | 150 | 70 | N | N | N | 30 | 20 | N | 30 | N | 1,000 |
| 84SJ629 | N | N | 15 | 150 | 70 | N | N | N | 50 | <20 | N | 30 | N | 700 |
| 84SJ631 | 50 | N | <10 | 150 | 1,000 | N | 300 | N | 10 | 300 | 200 | 20 | N | <200 |
| 84SJ639 | N | N | 15 | 70 | 50 | N | N | N | 30 | N | N | 30 | N | 1,000 |
| 84SJ641 | N | N | 15 | 100 | 100 | N | 150 | N | 15 | 20 | N | 15 | N | N |
| 84SJ646 | N | N | 200 | 500 | 70 | N | N | N | 150 | 100 | N | 100 | N | <200 |
| 84SJ649 | N | N | 70 | 100 | 70 | N | N | N | 70 | <20 | N | 100 | N | N |
| 84SJ653 | N | N | 70 | 200 | 100 | N | N | N | 70 | N | N | 70 | N | <200 |
| 84SJ655 | N | N | 50 | 300 | 70 | N | N | N | 50 | <20 | N | 70 | N | 1,000 |
| 84SJ657 | N | N | 30 | 200 | 70 | N | N | N | 30 | <20 | N | 70 | N | 1,000 |
| 84SJ658 | N | N | 30 | 150 | 70 | N | N | N | 20 | <20 | N | 70 | N | 1,000 |
| 84SJ659 | N | N | 20 | 200 | 70 | N | N | N | 30 | <20 | N | 70 | N | 1,000 |
| 84SJ660 | N | N | 30 | 100 | 70 | N | N | N | 30 | 50 | N | 70 | N | 1,000 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ092 | 700 | N | 50 | 3,000 | 150 | N |
| 84SJ093 | 700 | N | 30 | N | 100 | N |
| 84SJ094 | 700 | N | 50 | <500 | 50 | N |
| 84SJ095 | 1,000 | N | 50 | N | 200 | N |
| 84SJ096 | 1,000 | N | 50 | N | 100 | N |
| 84SJ097 | 700 | N | 50 | N | 150 | N |
| 84SJ098 | 500 | N | 70 | N | 150 | N |
| 84SJ099 | 700 | N | 70 | N | 200 | N |
| 84SJ100 | 1,000 | N | 70 | N | 100 | N |
| 84SJ101 | 1,000 | N | 70 | N | 70 | N |
| 84SJ102 | 1,500 | N | 50 | N | 70 | N |
| 84SJ103 | 700 | N | 100 | N | 100 | N |
| 84SJ104 | 700 | N | 70 | N | 100 | N |
| 84SJ105 | 1,000 | N | 50 | N | 100 | N |
| 84SJ106 | 1,000 | N | 50 | N | 100 | N |
| 84SJ107 | 1,000 | N | 50 | N | 100 | N |
| 84SJ108 | 1,000 | N | 50 | N | 70 | N |
| 84SJ109 | 700 | N | 100 | N | 200 | N |
| 84SJ110 | 1,000 | N | 100 | N | 70 | N |
| 84SJ200 | 1,500 | N | 70 | N | 70 | N |
| 84SJ201 | 700 | N | 70 | N | 70 | N |
| 84SJ202 | 700 | N | 70 | N | 100 | N |
| 84SJ203 | 1,500 | N | 50 | N | 100 | N |
| 84SJ205 | 500 | N | 70 | N | 150 | N |
| 84SJ206 | 1,000 | N | 50 | N | 150 | N |
| 84SJ207 | 700 | N | 50 | N | 70 | N |
| 84SJ605 | 500 | N | 30 | N | 50 | N |
| 84SJ606 | 200 | N | 100 | N | 100 | N |
| 84SJ608 | 500 | N | 30 | N | 20 | N |
| 84SJ613 | 200 | N | 50 | N | 70 | N |
| 84SJ614 | 300 | N | 30 | N | 70 | N |
| 84SJ622 | 500 | N | 30 | N | 70 | N |
| 84SJ625 | 500 | N | 30 | N | 70 | N |
| 84SJ629 | 500 | N | 30 | N | 50 | N |
| 84SJ631 | 300 | N | 30 | 1,000 | 70 | N |
| 84SJ639 | 500 | N | 20 | N | 50 | N |
| 84SJ641 | 500 | N | 30 | 700 | 100 | N |
| 84SJ646 | 500 | N | 500 | N | 100 | N |
| 84SJ649 | 700 | N | 300 | N | 100 | N |
| 84SJ653 | 300 | N | 30 | N | 30 | N |
| 84SJ655 | 700 | N | 30 | N | 50 | N |
| 84SJ657 | 700 | N | 30 | N | 70 | N |
| 84SJ658 | 700 | N | 30 | N | 70 | N |
| 84SJ659 | 700 | N | 30 | N | 50 | N |
| 84SJ660 | 700 | N | 30 | N | 50 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ665 | 18 21 25 | 64 43 27 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 30 | <50 | N |
| 84SJ668 | 18 20 59 | 64 44 35 | 7 | 1.50 | 7.00 | 1.00 | 3,000 | N | N | N | 30 | 300 | N |
| 84SJ670 | 18 20 49 | 64 44 21 | 10 | 1.00 | .10 | 1.50 | 5,000 | N | N | N | 30 | 1,500 | 7 |
| 84SJ673 | 18 20 29 | 64 44 2 | 5 | .50 | 7.00 | .30 | 1,000 | N | N | N | 30 | <50 | <2 |
| 84SJ676 | 18 20 11 | 64 43 39 | 50 | .15 | .10 | .50 | 150 | N | <500 | N | N | 5,000 | N |
| 84SJ684 | 18 20 8 | 64 43 33 | 15 | .20 | 2.00 | .50 | 2,000 | 7.0 | <500 | N | 20 | 10,000 | N |
| 84SJ690 | 18 20 7 | 64 43 50 | 7 | .20 | 7.00 | .20 | 1,500 | N | N | N | 50 | 500 | <2 |
| 84SJ696 | 18 20 14 | 64 42 43 | 10 | .50 | 7.00 | .20 | 3,000 | <1.0 | N | N | 20 | 500 | <2 |
| 84SJ699 | 18 19 20 | 64 42 3 | 10 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 30 | 50 | N |
| 84SJ716 | 18 20 33 | 64 44 45 | 5 | 2.00 | 7.00 | .50 | 1,500 | N | N | N | 30 | <50 | N |
| 84SJ723 | 18 20 42 | 64 45 15 | 5 | 1.00 | 7.00 | .50 | 700 | N | N | N | 70 | <50 | N |
| 84SJ725 | 18 20 40 | 64 45 35 | 5 | .70 | 7.00 | .20 | 1,000 | N | N | N | 30 | <50 | N |
| 84SJ729 | 18 20 34 | 64 45 33 | 7 | .70 | 7.00 | .50 | 1,000 | N | N | N | 50 | <50 | N |
| 84SJ733 | 18 20 40 | 64 45 25 | 7 | .70 | 7.00 | .50 | 1,000 | N | N | N | 70 | <50 | N |
| 84SJ735 | 18 22 14 | 64 44 55 | 7 | 1.00 | 10.00 | .70 | 2,000 | N | N | N | 20 | 100 | N |
| 84SJ736 | 18 20 50 | 64 44 35 | 7 | 2.00 | 7.00 | .70 | 3,000 | N | N | N | 30 | 200 | N |
| 84SJ738 | 18 21 31 | 64 44 0 | 10 | 1.50 | 7.00 | .50 | 1,500 | N | N | N | 50 | 50 | N |
| 84SJ739 | 18 21 38 | 64 44 7 | 10 | .30 | 3.00 | .50 | 1,500 | 2.0 | 500 | N | 50 | 5,000 | N |
| 84SJ739 | 18 21 38 | 64 44 9 | 10 | .30 | 3.00 | .50 | 1,500 | 2.0 | 500 | N | 50 | 5,000 | N |
| 84SJ741 | 18 21 13 | 64 44 15 | 7 | 1.50 | 7.00 | .70 | 2,000 | N | N | N | 50 | 300 | N |
| 84SJ742 | 18 21 21 | 64 44 15 | 7 | 2.00 | 7.00 | .70 | 2,000 | N | N | N | 20 | 70 | N |
| 84SJ743 | 18 21 22 | 64 44 8 | 7 | 2.00 | 5.00 | .70 | 2,000 | N | N | N | 20 | 50 | N |
| 84SJ746 | 18 21 7 | 64 44 38 | 7 | 1.50 | 7.00 | 1.00 | 3,000 | N | N | N | 30 | 200 | <2 |
| 84SC001 | 17 46 1 | 64 49 21 | 7 | 5.00 | 7.00 | 1.50 | 3,000 | N | N | N | <20 | 300 | N |
| 84SC002 | 17 46 17 | 64 48 37 | 7 | 1.50 | 10.00 | 1.00 | 2,000 | N | N | N | 30 | <50 | N |
| 84SC003 | 17 46 8 | 64 49 7 | 10 | 2.00 | 7.00 | 1.00 | 2,000 | N | N | N | 300 | 150 | N |
| 84SC004 | 17 45 54 | 64 49 44 | 10 | 2.00 | 10.00 | 1.50 | 3,000 | N | N | N | 30 | 150 | N |
| 84SC005 | 17 45 46 | 64 50 1 | 20 | 5.00 | 7.00 | 2.00 | 5,000 | N | N | N | 20 | 200 | N |
| 84SC006 | 17 45 11 | 64 49 47 | 10 | 2.00 | 7.00 | 1.00 | 2,000 | N | N | N | 20 | 200 | N |
| 84SC007 | 17 45 18 | 64 49 39 | 20 | 3.00 | 3.00 | >2.00 | 10,000 | N | N | N | <20 | <50 | N |
| 84SC008 | 17 45 1 | 64 49 19 | 15 | 7.00 | 10.00 | 2.00 | 3,000 | N | N | N | 20 | 150 | N |
| 84SC009 | 17 46 2 | 64 45 49 | 20 | .70 | 15.00 | 2.00 | 3,000 | N | N | N | 200 | 50 | N |
| 84SC010 | 17 46 17 | 64 45 40 | 10 | 2.00 | 15.00 | 1.00 | 2,000 | N | N | N | 100 | 150 | N |
| 84SC011 | 17 46 47 | 64 45 43 | 50 | 1.50 | 5.00 | 2.00 | 3,000 | N | N | N | 30 | 150 | N |
| 84SC012 | 17 46 39 | 64 46 10 | 10 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | N |
| 84SC013 | 17 46 51 | 64 46 35 | 10 | 1.50 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | N |
| 84SC014 | 17 46 23 | 64 47 30 | 10 | 1.50 | 10.00 | 1.50 | 3,000 | N | N | N | 70 | 50 | N |
| 84SC015 | 17 46 27 | 64 47 22 | 10 | 2.00 | 10.00 | .70 | 2,000 | N | N | N | 70 | 100 | N |
| 84SC016 | 17 46 33 | 64 47 20 | 10 | 1.50 | 10.00 | 1.50 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC017 | 17 46 34 | 64 48 7 | 10 | 1.00 | 10.00 | .70 | 2,000 | N | N | N | 70 | <50 | N |
| 84SC018 | 17 46 39 | 64 47 39 | 7 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC019 | 17 45 39 | 64 46 22 | 15 | 1.50 | 15.00 | 1.50 | 3,000 | N | N | N | 100 | 100 | N |
| 84SC020 | 17 45 40 | 64 46 55 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 70 | 100 | N |
| 84SC021 | 17 45 38 | 64 46 59 | 7 | .70 | 15.00 | 1.00 | 3,000 | N | N | N | 100 | 700 | N |
| 84SC022 | 17 45 37 | 64 47 42 | 7 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 100 | 150 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ665 | N | N | 30 | 70 | 100 | N | N | N | 20 | N | N | 50 | N | 700 |
| 84SJ668 | N | N | 70 | 100 | 150 | N | N | N | 70 | N | N | 70 | N | 700 |
| 84SJ670 | N | N | 100 | 200 | 100 | N | N | N | 70 | 70 | N | 30 | N | N |
| 84SJ673 | N | N | 20 | 500 | 70 | N | N | N | 20 | <20 | N | 30 | N | 700 |
| 84SJ676 | <20 | N | <10 | 500 | 1,500 | N | 150 | N | 15 | 150 | <200 | 20 | N | N |
| 84SJ684 | 30 | N | 20 | 150 | 2,000 | N | 200 | N | 15 | 200 | N | 15 | N | 300 |
| 84SJ690 | N | N | <10 | 100 | 50 | N | N | N | 10 | <20 | N | 20 | N | 700 |
| 84SJ696 | N | N | 30 | 500 | 500 | N | <10 | N | 20 | 150 | N | 50 | N | 1,000 |
| 84SJ699 | N | N | 150 | 100 | 300 | N | N | N | 30 | 150 | N | 50 | N | 700 |
| 84SJ716 | N | N | 15 | 150 | 70 | N | N | N | 15 | <20 | N | 70 | N | 700 |
| 84SJ723 | N | N | 15 | 100 | 70 | <50 | N | N | 20 | N | N | 70 | N | 1,000 |
| 84SJ725 | N | N | 20 | 100 | 70 | N | N | N | 15 | 20 | N | 70 | N | 700 |
| 84SJ729 | N | N | 15 | 150 | 70 | <50 | N | N | 20 | <20 | N | 70 | N | 1,000 |
| 84SJ733 | N | N | 20 | 150 | 70 | N | N | N | 20 | <20 | N | 70 | N | 1,000 |
| 84SJ735 | N | N | 20 | 100 | 70 | N | N | N | 20 | <20 | N | 20 | N | 300 |
| 84SJ736 | N | N | 20 | 200 | 70 | N | N | N | 30 | <20 | N | 50 | 50 | 700 |
| 84SJ738 | N | N | 50 | 700 | 100 | N | N | N | 30 | 50 | N | 70 | N | 500 |
| 84SJ739 | 30 | N | 15 | 100 | 1,500 | N | 200 | N | 15 | 200 | N | 20 | N | 500 |
| 84SJ739 | 30 | N | 15 | 100 | 1,500 | N | 200 | N | 15 | 200 | N | 20 | N | 500 |
| 84SJ741 | N | N | 20 | 300 | 70 | N | N | N | 20 | N | N | 50 | N | 700 |
| 84SJ742 | N | N | 30 | 500 | 70 | N | N | N | 70 | <20 | N | 70 | N | 500 |
| 84SJ743 | N | N | 20 | 300 | 70 | N | N | N | 70 | <20 | N | 50 | N | 300 |
| 84SJ746 | N | N | 50 | 700 | 100 | N | N | N | 100 | 30 | N | 50 | N | 700 |
| 84SC001 | N | N | 70 | 300 | 100 | N | N | N | 50 | <20 | N | 70 | N | 300 |
| 84SC002 | N | N | 50 | 100 | 150 | N | N | N | 20 | 20 | N | 50 | N | 1,000 |
| 84SC003 | N | N | 70 | 500 | 100 | N | N | N | 50 | <20 | N | 70 | N | 1,000 |
| 84SC004 | N | N | 70 | 70 | 100 | N | N | N | 20 | <20 | N | 50 | N | 700 |
| 84SC005 | N | N | 50 | 100 | 150 | N | N | N | 20 | 30 | N | 70 | N | 300 |
| 84SC006 | N | N | 70 | 100 | 100 | N | N | N | 30 | 20 | N | 70 | N | 1,500 |
| 84SC007 | N | N | 50 | 200 | 100 | N | N | <50 | 20 | 20 | N | 50 | N | N |
| 84SC008 | N | N | 100 | 500 | 100 | N | N | N | 150 | 20 | N | 100 | N | 500 |
| 84SC009 | N | N | 20 | 300 | 70 | N | N | N | 30 | 50 | N | 30 | N | 2,000 |
| 84SC010 | N | N | 20 | 150 | 70 | N | N | N | 30 | 30 | N | 70 | N | 2,000 |
| 84SC011 | N | N | 100 | 150 | 100 | N | N | N | 30 | 20 | N | 50 | N | 1,000 |
| 84SC012 | N | N | 30 | 150 | 70 | N | N | N | 30 | 30 | N | 50 | N | 2,000 |
| 84SC013 | N | N | 20 | 200 | 50 | N | N | N | 20 | N | N | 50 | N | 1,500 |
| 84SC014 | N | N | 30 | 700 | 100 | N | N | N | 30 | 30 | N | 70 | N | 1,000 |
| 84SC015 | N | N | 30 | 500 | 100 | N | N | N | 30 | 20 | N | 50 | N | 1,500 |
| 84SC016 | N | N | 30 | 200 | 70 | N | N | N | 30 | <20 | N | 50 | N | 1,500 |
| 84SC017 | N | N | 50 | 200 | 100 | N | N | N | 50 | 30 | N | 50 | N | 2,000 |
| 84SC018 | N | N | 30 | 100 | 100 | N | N | N | 30 | 20 | N | 70 | N | 1,500 |
| 84SC019 | N | N | 30 | 1,000 | 70 | N | N | N | 50 | 50 | N | 50 | N | 3,000 |
| 84SC020 | N | N | 50 | 150 | 100 | N | N | N | 30 | 50 | N | 50 | 50 | 2,000 |
| 84SC021 | N | N | 20 | 1,000 | 70 | <50 | N | N | 30 | 70 | N | 50 | 50 | 2,000 |
| 84SC022 | N | N | 30 | 150 | 100 | N | N | N | 20 | 300 | N | 70 | 20 | 1,000 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ665 | 700 | N | 30 | N | 50 | N |
| 84SJ668 | 700 | N | 50 | N | 70 | N |
| 84SJ670 | 700 | N | 50 | N | 30 | N |
| 84SJ673 | 300 | N | 70 | N | 70 | N |
| 84SJ676 | 1,000 | N | <20 | 500 | 70 | N |
| 84SJ684 | 700 | N | 20 | 500 | 50 | N |
| 84SJ690 | 300 | N | 30 | N | 70 | N |
| 84SJ696 | 700 | N | 50 | 1,500 | 70 | N |
| 84SJ699 | 500 | N | 50 | N | 70 | N |
| 84SJ716 | 700 | N | 30 | N | 30 | N |
| 84SJ723 | 700 | N | 50 | N | 70 | N |
| 84SJ725 | 500 | N | 30 | N | 70 | N |
| 84SJ729 | 700 | N | 50 | N | 70 | N |
| 84SJ733 | 700 | N | 50 | N | 70 | N |
| 84SJ735 | 300 | N | 50 | N | 70 | N |
| 84SJ736 | 500 | N | 50 | N | 70 | N |
| 84SJ738 | 1,000 | N | 30 | N | 30 | N |
| 84SJ739 | 500 | N | 30 | 500 | 70 | N |
| 84SJ739 | 500 | N | 30 | 500 | 70 | N |
| 84SJ741 | 500 | N | 30 | N | 70 | N |
| 84SJ742 | 700 | N | 30 | N | 70 | N |
| 84SJ743 | 500 | N | 30 | N | 70 | N |
| 84SJ746 | 300 | N | 70 | <500 | 70 | N |
| 84SC001 | 700 | N | 50 | N | 100 | N |
| 84SC002 | 700 | N | 30 | N | 70 | N |
| 84SC003 | 700 | N | 30 | N | 50 | N |
| 84SC004 | 700 | N | 30 | N | 50 | N |
| 84SC005 | 700 | N | 50 | N | 100 | N |
| 84SC006 | 700 | N | 50 | N | 50 | N |
| 84SC007 | 700 | N | 50 | N | 300 | N |
| 84SC008 | 700 | N | 50 | N | 70 | N |
| 84SC009 | 1,000 | N | 50 | N | 200 | N |
| 84SC010 | 700 | N | 50 | N | 50 | N |
| 84SC011 | 700 | N | <20 | <500 | 50 | N |
| 84SC012 | 700 | N | 30 | 700 | 50 | N |
| 84SC013 | 500 | N | 30 | N | 70 | N |
| 84SC014 | 700 | N | 30 | N | 70 | N |
| 84SC015 | 700 | N | 30 | N | 50 | N |
| 84SC016 | 700 | N | 30 | N | 70 | N |
| 84SC017 | 1,000 | N | 30 | N | 70 | N |
| 84SC018 | 700 | N | 30 | N | 70 | N |
| 84SC019 | 1,000 | N | 50 | N | 70 | N |
| 84SC020 | 700 | N | 30 | N | 50 | N |
| 84SC021 | 700 | N | 30 | N | 500 | N |
| 84SC022 | 1,000 | N | 30 | N | 70 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC023 | 17 45 50 | 64 47 57 | 10 | 1.50 | 7.00 | 1.00 | 1,500 | N | N | N | 30 | <50 | N |
| 84SC024 | 17 44 48 | 64 48 54 | 7 | 5.00 | 10.00 | 1.00 | 2,000 | N | N | N | N | 100 | N |
| 84SC025 | 17 45 54 | 64 46 7 | 7 | 2.00 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 50 | N |
| 84SC026 | 17 44 1 | 64 48 55 | 15 | 2.00 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 50 | N |
| 84SC028 | 17 44 59 | 64 47 37 | 15 | 2.00 | 7.00 | 2.00 | 2,000 | N | N | N | 50 | 200 | N |
| 84SC029 | 17 45 16 | 64 47 16 | 7 | 2.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SC029 | 17 44 17 | 64 48 26 | 7 | 2.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SC030 | 17 44 23 | 64 49 0 | 10 | 3.00 | 7.00 | 1.00 | 2,000 | N | N | N | 50 | 100 | N |
| 84SC031 | 17 44 50 | 64 48 35 | 7 | 7.00 | 7.00 | 1.00 | 2,000 | N | N | N | N | <50 | N |
| 84SC033 | 17 45 10 | 64 48 37 | 15 | 5.00 | 7.00 | >2.00 | 3,000 | N | N | N | N | 70 | N |
| 84SC034 | 17 45 10 | 64 51 13 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 70 | 100 | N |
| 84SC035S | 17 45 18 | 64 50 46 | 7 | 1.50 | 7.00 | .70 | 1,500 | N | N | N | 30 | 150 | N |
| 84SC036S | 17 45 8 | 64 50 24 | 30 | 1.00 | 3.00 | 1.00 | 1,500 | N | N | N | N | 150 | <2 |
| 84SC037S | 17 44 47 | 64 50 5 | 15 | 1.50 | 5.00 | .70 | 1,000 | N | N | N | 20 | 300 | N |
| 84SC038S | 17 45 36 | 64 50 21 | 20 | 1.00 | 3.00 | 1.00 | 1,000 | N | N | N | 20 | 150 | <2 |
| 84SC040S | 17 45 47 | 64 52 20 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 50 | 150 | N |
| 84SC041 | 17 45 46 | 64 52 23 | 10 | 1.00 | 7.00 | .70 | 1,000 | N | N | N | 50 | 70 | N |
| 84SC042 | 17 46 14 | 64 52 28 | 20 | 2.00 | 3.00 | 1.00 | 1,500 | N | N | N | 70 | 500 | 2 |
| 84SC043 | 17 45 50 | 64 53 4 | 30 | .70 | .50 | .50 | 700 | N | N | N | 70 | 500 | 3 |
| 84SC044 | 17 45 2 | 64 53 28 | 30 | 1.00 | 1.50 | .70 | 700 | N | N | N | 500 | 500 | 5 |
| 84SC045 | 17 44 28 | 64 53 2 | 30 | 1.00 | 3.00 | .70 | 1,500 | N | N | N | 300 | 700 | 10 |
| 84SC046 | 17 44 49 | 64 52 36 | 50 | 1.00 | 2.00 | .70 | 1,000 | N | N | N | 100 | 300 | <2 |
| 84SC047 | 17 44 53 | 64 52 6 | 50 | 7.00 | 3.00 | .70 | 1,000 | N | N | N | 50 | 300 | <2 |
| 84SC048 | 17 45 0 | 64 52 8 | 30 | 7.00 | 5.00 | .50 | 1,500 | N | N | N | 70 | 700 | 7 |
| 84SC049 | 17 45 3 | 64 51 42 | 7 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC050 | 17 45 0 | 64 51 43 | 7 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 70 | 50 | N |
| 84SC051 | 17 43 47 | 64 52 38 | 20 | 1.00 | 7.00 | 2.00 | 2,000 | N | N | N | 150 | 300 | <2 |
| 84SC052 | 17 43 50 | 64 51 59 | 50 | .70 | 3.00 | .50 | 700 | N | N | N | 150 | 100 | <2 |
| 84SC053 | 17 43 53 | 64 51 51 | 10 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 50 | 100 | N |
| 84SC054 | 17 44 21 | 64 51 41 | 20 | .70 | 5.00 | .50 | 700 | N | N | N | 100 | 200 | <2 |
| 84SC055 | 17 44 24 | 64 51 38 | 15 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 50 | <50 | N |
| 84SC056 | 17 44 29 | 64 51 40 | 15 | 1.50 | 7.00 | .70 | 1,500 | N | N | N | 70 | 50 | N |
| 84SC057 | 17 44 5 | 64 51 24 | 15 | .70 | 7.00 | .50 | 1,500 | N | N | N | 70 | 300 | <2 |
| 84SC058 | 17 44 26 | 64 51 12 | 10 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC059 | 17 44 32 | 64 50 53 | 7 | 1.00 | 10.00 | .70 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC060 | 17 44 21 | 64 50 19 | 7 | 1.00 | 10.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC061 | 17 44 7 | 64 50 2 | 10 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC062 | 17 44 3 | 64 49 38 | 10 | 1.00 | 7.00 | 1.50 | 2,000 | N | N | N | 50 | 150 | N |
| 84SC063 | 17 43 26 | 64 52 0 | 10 | 1.00 | 10.00 | 1.00 | 1,500 | N | N | N | 70 | 200 | N |
| 84SC064 | 17 42 43 | 64 52 0 | 20 | 1.50 | 5.00 | >2.00 | 3,000 | N | N | N | 70 | 200 | N |
| 84SC065 | 17 42 55 | 64 51 38 | 15 | 2.00 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 70 | N |
| 84SC066 | 17 42 51 | 64 51 4 | 20 | 2.00 | 7.00 | 2.00 | 3,000 | N | N | N | 50 | 70 | <2 |
| 84SC067 | 17 43 4 | 64 51 12 | 20 | 2.00 | 5.00 | 2.00 | 2,000 | N | N | N | 70 | 200 | N |
| 84SC068 | 17 43 4 | 64 50 40 | 10 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC069 | 17 43 6 | 64 49 58 | 10 | 1.50 | 10.00 | .70 | 1,500 | N | N | N | 70 | 200 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC023 | N | N | 50 | 10,000 | 200 | <50 | N | N | 50 | 50 | N | 30 | N | 1,000 |
| 84SC024 | N | N | 50 | 700 | 50 | N | N | N | 100 | N | N | 70 | N | <200 |
| 84SC025 | N | N | 20 | 200 | 100 | N | N | N | 20 | 70 | N | 70 | 70 | 1,000 |
| 84SC026 | N | N | 50 | 500 | 100 | N | N | N | 50 | 30 | N | 70 | N | 700 |
| 84SC028 | N | N | 50 | 1,500 | 100 | 70 | N | N | 50 | 30 | N | 50 | N | 1,000 |
| 84SC029 | N | N | 30 | 200 | 70 | N | N | N | 30 | 30 | N | 50 | 150 | 1,000 |
| 84SC029 | N | N | 30 | 200 | 70 | N | N | N | 30 | 30 | N | 50 | 150 | 1,000 |
| 84SC030 | N | N | 50 | 700 | 100 | N | N | N | 70 | 50 | N | 70 | N | 700 |
| 84SC031 | N | N | 50 | 700 | 100 | N | N | N | 70 | N | N | 70 | N | N |
| 84SC033 | N | N | 50 | 500 | 100 | 50 | N | N | 50 | <20 | N | 70 | N | <200 |
| 84SC034 | N | N | 30 | 50 | 100 | N | N | N | 15 | 30 | N | 20 | N | 1,000 |
| 84SC035S | N | N | 30 | 50 | 70 | N | N | N | 10 | N | N | 20 | N | 700 |
| 84SC036S | N | N | 150 | 100 | 1,000 | N | N | N | 100 | 200 | N | 20 | N | 300 |
| 84SC037S | N | N | 30 | 100 | 300 | N | N | N | 20 | 50 | N | 20 | N | 500 |
| 84SC038S | N | N | 70 | 150 | 700 | N | 20 | N | 50 | 100 | N | 15 | N | 500 |
| 84SC040S | N | N | 50 | 70 | 100 | <50 | N | N | 30 | 30 | N | 30 | 50 | 1,000 |
| 84SC041 | N | N | 70 | 70 | 300 | N | N | N | 70 | 70 | N | 50 | N | 1,500 |
| 84SC042 | N | N | 70 | 2,000 | 500 | 200 | N | N | 200 | 70 | N | 70 | N | 500 |
| 84SC043 | N | N | 150 | 1,500 | 700 | N | N | N | 1,000 | 200 | N | 30 | 200 | N |
| 84SC044 | N | N | 150 | 2,000 | 1,000 | N | N | N | 700 | 150 | N | 30 | N | 500 |
| 84SC045 | N | N | 100 | 5,000 | 1,000 | N | N | N | 500 | 200 | N | 20 | 300 | 300 |
| 84SC046 | N | N | 150 | 500 | 1,500 | N | N | N | 200 | 150 | N | 30 | 20 | 500 |
| 84SC047 | N | N | 150 | 200 | 1,000 | N | N | N | 100 | 700 | N | 20 | 50 | 700 |
| 84SC048 | N | N | 100 | 70 | 1,000 | N | N | N | 200 | 500 | N | 20 | 20 | 700 |
| 84SC049 | N | N | 20 | 100 | 70 | N | N | N | 20 | 30 | N | 50 | N | 700 |
| 84SC050 | N | N | 20 | 70 | 70 | N | N | N | 10 | 20 | N | 20 | N | 700 |
| 84SC051 | N | N | 50 | 500 | 300 | <50 | N | N | 70 | 70 | N | 30 | N | 1,000 |
| 84SC052 | N | N | 150 | 300 | 1,000 | N | N | N | 150 | 200 | N | 10 | N | 700 |
| 84SC053 | N | N | 30 | 100 | 150 | N | N | N | 30 | 50 | N | 50 | N | 1,000 |
| 84SC054 | N | N | 150 | 150 | 700 | N | N | N | 150 | 150 | N | 20 | 300 | 700 |
| 84SC055 | N | N | 100 | 70 | 300 | N | N | N | 30 | 70 | N | 30 | N | 1,000 |
| 84SC056 | N | N | 70 | 70 | 200 | N | N | N | 50 | 70 | N | 50 | N | 1,500 |
| 84SC057 | N | N | 50 | 150 | 300 | N | N | N | 70 | 100 | N | 20 | N | 1,500 |
| 84SC058 | N | N | 50 | 200 | 700 | N | N | N | 20 | 50 | N | 50 | 200 | 1,500 |
| 84SC059 | N | N | 20 | 70 | 50 | N | N | N | 10 | 30 | N | 50 | N | 1,000 |
| 84SC060 | N | N | 30 | 100 | 50 | N | N | N | 15 | 20 | N | 50 | N | 1,000 |
| 84SC061 | N | N | 50 | 200 | 70 | N | N | N | 30 | 30 | N | 70 | N | 1,000 |
| 84SC062 | N | N | 70 | 200 | 100 | N | N | N | 30 | 30 | N | 50 | N | 700 |
| 84SC063 | N | N | 30 | 70 | 70 | N | N | N | 30 | 30 | N | 50 | N | 1,500 |
| 84SC064 | N | N | 70 | 300 | 200 | N | N | N | 50 | 70 | N | 50 | N | 700 |
| 84SC065 | N | N | 50 | 1,500 | 200 | N | N | N | 50 | 50 | N | 70 | N | 700 |
| 84SC066 | N | N | 50 | 300 | 300 | <50 | N | N | 50 | 70 | N | 70 | N | 700 |
| 84SC067 | N | N | 70 | 2,000 | 200 | N | N | N | 70 | 70 | N | 50 | N | 500 |
| 84SC068 | N | N | 30 | 300 | 150 | N | N | N | 50 | 100 | N | 50 | N | 1,000 |
| 84SC069 | N | N | 30 | 100 | 70 | N | N | N | 30 | 50 | N | 50 | N | 1,000 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC023 | 700 | N | 30 | N | 50 | N |
| 84SC024 | 700 | N | 30 | N | 30 | N |
| 84SC025 | 700 | N | 30 | N | 50 | N |
| 84SC026 | 1,000 | N | 50 | N | 70 | N |
| 84SC028 | 700 | N | 50 | N | 100 | N |
| 84SC029 | 700 | N | 30 | N | 50 | N |
| 84SC029 | 700 | N | 30 | N | 50 | N |
| 84SC030 | 700 | N | 50 | N | 50 | N |
| 84SC031 | 700 | N | 50 | N | 30 | N |
| 84SC033 | 700 | N | 50 | N | 50 | N |
| 84SC034 | 500 | N | 30 | N | 70 | N |
| 84SC035S | 500 | N | 30 | N | 50 | N |
| 84SC036S | 700 | N | 50 | <500 | 70 | N |
| 84SC037S | 700 | N | 50 | N | 70 | N |
| 84SC038S | 700 | N | 50 | <500 | 50 | N |
| 84SC040S | 700 | N | 30 | N | 50 | N |
| 84SC041 | 500 | N | 30 | N | 70 | N |
| 84SC042 | 700 | N | 50 | 500 | 50 | N |
| 84SC043 | 500 | N | 70 | 700 | 50 | N |
| 84SC044 | 700 | N | 50 | 700 | 70 | N |
| 84SC045 | 500 | N | 50 | <500 | 70 | N |
| 84SC046 | 700 | N | 50 | 700 | 50 | N |
| 84SC047 | 700 | N | 30 | <500 | 50 | N |
| 84SC048 | 500 | N | 50 | 1,500 | 50 | N |
| 84SC049 | 700 | N | 30 | N | 70 | N |
| 84SC050 | 700 | N | 30 | N | 70 | N |
| 84SC051 | 700 | N | 50 | N | 100 | N |
| 84SC052 | 700 | N | 50 | <500 | 50 | N |
| 84SC053 | 700 | N | 30 | N | 70 | N |
| 84SC054 | 500 | N | 30 | N | 50 | N |
| 84SC055 | 700 | N | 30 | N | 50 | N |
| 84SC056 | 700 | N | 30 | N | 70 | N |
| 84SC057 | 700 | N | 20 | N | 30 | N |
| 84SC058 | 700 | N | 30 | N | 70 | N |
| 84SC059 | 700 | N | 50 | N | 70 | N |
| 84SC060 | 700 | N | 30 | N | 70 | N |
| 84SC061 | 1,000 | N | 30 | N | 50 | N |
| 84SC062 | 700 | N | 30 | N | 70 | N |
| 84SC063 | 700 | N | 30 | N | 70 | N |
| 84SC064 | 700 | N | 30 | N | 100 | N |
| 84SC065 | 1,000 | N | 50 | N | 100 | N |
| 84SC066 | 700 | N | 50 | N | 100 | N |
| 84SC067 | 700 | N | 30 | <500 | 50 | N |
| 84SC068 | 700 | N | <20 | N | 50 | N |
| 84SC069 | 700 | N | 20 | N | 70 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC070 | 17 43 55 | 64 49 21 | 10 | 1.50 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC071 | 17 45 34 | 64 45 50 | 15 | .70 | 10.00 | 2.00 | 1,500 | N | N | N | 50 | 150 | N |
| 84SC072 | 17 46 6 | 64 45 24 | 20 | 1.00 | 10.00 | 1.50 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC074S | 17 45 17 | 64 46 9 | 10 | 1.00 | 7.00 | 1.50 | 3,000 | N | N | N | 70 | 200 | N |
| 84SC075S | 17 44 54 | 64 46 26 | 7 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 200 | N |
| 84SC076S | 17 44 46 | 64 46 52 | 15 | 1.00 | 5.00 | .70 | 2,000 | N | N | N | 70 | 300 | <2 |
| 84SC077S | 17 44 37 | 64 47 18 | 15 | 1.00 | 7.00 | 1.00 | 3,000 | N | N | N | 50 | 700 | <2 |
| 84SC078S | 17 44 29 | 64 47 46 | 15 | 5.00 | 7.00 | >2.00 | 3,000 | N | N | N | 20 | <50 | N |
| 84SC079S | 17 44 19 | 64 46 38 | 15 | 1.50 | 7.00 | 2.00 | 3,000 | N | N | N | 50 | 70 | <2 |
| 84SC080S | 17 44 10 | 64 47 2 | 15 | 3.00 | 7.00 | >2.00 | 5,000 | N | N | N | 70 | 700 | N |
| 84SC081S | 17 44 3 | 64 47 28 | 15 | 2.00 | 7.00 | >2.00 | 5,000 | N | N | N | 20 | 200 | N |
| 84SC082S | 17 43 59 | 64 46 1 | 7 | .70 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC083S | 17 44 21 | 64 45 54 | 10 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC084S | 17 44 46 | 64 46 3 | 7 | 2.00 | 10.00 | .70 | 2,000 | N | N | N | 50 | 300 | N |
| 84SC085S | 17 45 14 | 64 45 16 | 10 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC086 | 17 44 52 | 64 45 14 | 7 | .70 | 10.00 | 1.00 | 1,500 | N | N | N | 70 | 50 | N |
| 84SC087 | 17 44 17 | 64 45 17 | 7 | .70 | 7.00 | .70 | 1,500 | N | N | N | 70 | 50 | N |
| 84SC088S | 17 43 37 | 64 45 17 | 15 | 1.50 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 70 | N |
| 84SC089S | 17 43 23 | 64 45 54 | 7 | 1.50 | 10.00 | 1.50 | 2,000 | N | N | N | 70 | 50 | N |
| 84SC090S | 17 42 35 | 64 47 13 | 10 | 2.00 | 7.00 | >2.00 | 7,000 | N | N | N | 30 | <50 | N |
| 84SC091S | 17 42 54 | 64 47 27 | 15 | 1.50 | 7.00 | >2.00 | 5,000 | N | N | N | 50 | 300 | N |
| 84SC093S | 17 43 35 | 64 47 16 | 10 | 1.50 | 10.00 | 2.00 | 2,000 | N | N | N | 30 | 150 | N |
| 84SC094S | 17 43 41 | 64 46 49 | 10 | 3.00 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 200 | N |
| 84SC095S | 17 43 50 | 64 46 29 | 10 | 1.50 | 10.00 | 2.00 | 3,000 | N | N | N | 50 | 70 | N |
| 84SC096S | 17 44 5 | 64 45 34 | 20 | 1.00 | 10.00 | 1.50 | 2,000 | N | N | N | 70 | 200 | N |
| 84SC098 | 17 45 9 | 64 44 30 | 7 | .70 | 7.00 | 1.00 | 2,000 | N | N | N | 50 | 150 | N |
| 84SC099 | 17 45 15 | 64 44 39 | 5 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC100 | 17 45 13 | 64 43 36 | 10 | 1.50 | 7.00 | 2.00 | 3,000 | N | N | N | 70 | 500 | N |
| 84SC101S | 17 45 5 | 64 44 4 | 7 | .70 | 10.00 | .70 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC102S | 17 44 52 | 64 43 32 | 7 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 100 | N |
| 84SC103S | 17 44 15 | 64 43 15 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | 500 | 300 | <2 |
| 84SC104S | 17 44 24 | 64 43 39 | 7 | .70 | 10.00 | .70 | 1,500 | N | N | N | 70 | 50 | N |
| 84SC105S | 17 44 8 | 64 43 55 | 7 | 1.00 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | 150 | N |
| 84SC107S | 17 44 44 | 64 44 37 | 7 | .70 | 10.00 | 1.00 | 2,000 | N | N | N | 70 | 50 | N |
| 84SC108S | 17 44 46 | 64 44 18 | 7 | .70 | 10.00 | .70 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC109S | 17 43 40 | 64 44 33 | 10 | 1.00 | 10.00 | 1.00 | 3,000 | N | N | N | 70 | 300 | N |
| 84SC110S | 17 43 22 | 64 44 27 | 15 | 1.50 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 50 | N |
| 84SC111S | 17 43 14 | 64 44 51 | 7 | .70 | 10.00 | 1.50 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC112S | 17 43 8 | 64 45 18 | 20 | 2.00 | 7.00 | >2.00 | 7,000 | N | N | N | 70 | N | N |
| 84SC113S | 17 43 30 | 64 44 1 | 10 | .70 | 10.00 | 2.00 | 3,000 | N | N | N | 100 | 70 | N |
| 84SC114S | 17 42 49 | 64 42 45 | 10 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | 100 | 500 | <2 |
| 84SC115S | 17 42 19 | 64 42 47 | 10 | 1.50 | 7.00 | 1.50 | 2,000 | N | N | N | 70 | 300 | <2 |
| 84SC116S | 17 42 9 | 64 43 10 | 7 | 7.00 | 15.00 | 1.50 | 1,500 | N | N | N | 50 | <50 | N |
| 84SC117S | 17 42 35 | 64 43 23 | 15 | 3.00 | 10.00 | 2.00 | 3,000 | N | N | N | 70 | 70 | N |
| 84SC118S | 17 42 29 | 64 43 47 | 10 | 5.00 | 10.00 | 2.00 | 2,000 | N | N | N | 50 | <50 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC070 | N | N | 30 | 300 | 70 | <50 | N | N | 20 | 100 | N | 50 | 200 | 1,000 |
| 84SC071 | N | N | 20 | 500 | 70 | <50 | N | N | 30 | 70 | N | 30 | 30 | 1,000 |
| 84SC072 | N | N | 30 | 200 | 100 | N | N | N | 30 | 70 | N | 30 | N | 1,000 |
| 84SC074S | N | N | 20 | 1,000 | 100 | <50 | N | N | 50 | 500 | N | 50 | N | 1,000 |
| 84SC075S | N | N | 20 | 500 | 70 | N | N | N | 30 | 50 | N | 50 | N | 1,000 |
| 84SC076S | N | N | 30 | 500 | 100 | N | N | N | 30 | 70 | N | 20 | N | 700 |
| 84SC077S | N | N | 50 | 500 | 200 | <50 | N | N | 70 | 70 | N | 20 | N | 700 |
| 84SC078S | N | N | 50 | 700 | 70 | N | N | N | 70 | N | N | 70 | N | <200 |
| 84SC079S | N | N | 30 | 2,000 | 100 | N | N | N | 70 | 30 | N | 30 | N | 700 |
| 84SC080S | N | N | 150 | 1,000 | 100 | N | N | N | 70 | 150 | N | 70 | 200 | 500 |
| 84SC081S | N | N | 30 | 200 | 70 | N | N | <50 | 30 | 50 | N | 30 | N | 300 |
| 84SC082S | N | N | 15 | 2,000 | 50 | <50 | N | N | 50 | 50 | N | 50 | N | 1,000 |
| 84SC083S | N | N | 20 | 1,000 | 70 | N | N | N | 50 | 30 | N | 30 | N | 1,000 |
| 84SC084S | N | N | 20 | 200 | 70 | <50 | N | N | 70 | 150 | N | 50 | N | 700 |
| 84SC085S | N | N | 20 | 200 | 70 | N | N | N | 30 | 500 | N | 50 | 1,500 | 1,000 |
| 84SC086 | N | N | 15 | 500 | 50 | N | N | N | 70 | 70 | N | 30 | N | 1,000 |
| 84SC087 | N | N | <10 | 700 | 30 | <50 | N | N | 20 | 20 | N | 30 | N | 1,000 |
| 84SC088S | N | N | 20 | 5,000 | 70 | N | N | N | 50 | 30 | N | 30 | N | 1,000 |
| 84SC089S | N | N | 20 | 300 | 50 | <50 | N | N | 50 | 200 | N | 30 | 1,000 | 1,000 |
| 84SC090S | N | N | 30 | 300 | 50 | N | N | N | 30 | 20 | N | 50 | N | 500 |
| 84SC091S | N | N | 30 | 1,000 | 70 | N | N | <50 | 50 | 70 | N | 50 | 200 | 700 |
| 84SC093S | N | N | 20 | 500 | 50 | <50 | N | N | 50 | 30 | N | 50 | N | 1,000 |
| 84SC094S | N | N | 30 | 500 | 70 | N | N | N | 70 | 20 | N | 70 | N | 500 |
| 84SC095S | N | N | 20 | 1,000 | 70 | <50 | N | N | 30 | 20 | N | 50 | 70 | 1,000 |
| 84SC096S | N | N | 30 | 1,500 | 70 | N | N | N | 70 | 300 | N | 50 | 150 | 1,000 |
| 84SC098 | N | N | 10 | 300 | 50 | <50 | N | N | 20 | 30 | N | 30 | N | 1,000 |
| 84SC099 | N | N | 10 | 300 | 20 | <50 | N | N | 50 | <20 | N | 50 | N | 1,000 |
| 84SC100 | N | N | 30 | 1,000 | 100 | N | N | N | 70 | 300 | N | 20 | 150 | 1,000 |
| 84SC101S | N | N | 10 | 300 | 50 | N | N | N | 50 | 100 | N | 30 | N | 1,000 |
| 84SC102S | N | N | 10 | 300 | 50 | N | N | N | 30 | 20 | N | 30 | N | 1,000 |
| 84SC103S | N | N | 20 | 150 | 200 | N | N | N | 50 | 100 | N | 30 | N | 700 |
| 84SC104S | N | N | <10 | 200 | 70 | N | N | N | 20 | 30 | N | 30 | N | 1,000 |
| 84SC105S | N | N | 10 | 1,000 | 70 | N | N | N | 50 | 70 | N | 50 | N | 1,000 |
| 84SC107S | N | N | 15 | 700 | 50 | <50 | N | N | 100 | 20 | N | 50 | N | 1,000 |
| 84SC108S | N | N | N | 700 | 20 | <50 | N | N | 20 | <20 | N | 30 | N | 1,000 |
| 84SC109S | N | N | 20 | 5,000 | 50 | N | N | N | 50 | 150 | N | 50 | 100 | 1,000 |
| 84SC110S | N | N | 20 | 7,000 | 70 | N | 10 | N | 150 | 500 | N | 50 | 70 | 700 |
| 84SC111S | N | N | 10 | 5,000 | 70 | <50 | N | N | 50 | 200 | N | 30 | 100 | 1,000 |
| 84SC112S | N | N | 30 | >10,000 | 70 | N | N | N | 100 | 300 | N | 70 | 1,500 | 700 |
| 84SC113S | N | N | 20 | 1,000 | 70 | <50 | N | N | 20 | 50 | N | 20 | 70 | 1,000 |
| 84SC114S | N | N | 20 | 300 | 100 | <50 | N | N | 50 | 100 | N | 20 | N | 1,000 |
| 84SC115S | N | N | 20 | 1,500 | 70 | N | N | N | 70 | 20 | N | 50 | N | 1,000 |
| 84SC116S | N | N | 20 | 2,000 | 15 | <50 | N | N | 150 | 70 | N | 100 | N | 500 |
| 84SC117S | N | N | 30 | 7,000 | 70 | N | N | N | 100 | 70 | N | 70 | N | 500 |
| 84SC118S | N | N | 30 | 5,000 | 70 | N | N | N | 100 | 300 | N | 70 | 70 | 300 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC070 | 700 | N | 30 | N | 300 | N |
| 84SC071 | 700 | N | 30 | <500 | 300 | N |
| 84SC072 | 1,000 | N | 50 | N | 150 | N |
| 84SC074S | 700 | N | 30 | N | 100 | N |
| 84SC075S | 700 | N | 30 | N | 50 | N |
| 84SC076S | 1,000 | N | 50 | N | 50 | N |
| 84SC077S | 1,500 | N | 50 | N | 100 | N |
| 84SC078S | 700 | N | 30 | N | 70 | N |
| 84SC079S | 700 | N | 30 | N | 100 | N |
| 84SC080S | 700 | N | 30 | N | 70 | N |
| 84SC081S | 700 | N | 30 | N | 70 | N |
| 84SC082S | 700 | N | 30 | N | 50 | N |
| 84SC083S | 700 | N | 30 | N | 50 | N |
| 84SC084S | 700 | N | 30 | N | 50 | N |
| 84SC085S | 700 | N | 30 | N | 70 | N |
| 84SC086 | 700 | N | 20 | N | 70 | N |
| 84SC087 | 500 | N | <20 | N | 50 | N |
| 84SC088S | 700 | N | 30 | N | 200 | N |
| 84SC089S | 500 | N | 30 | N | 70 | N |
| 84SC090S | 700 | N | 30 | N | 70 | N |
| 84SC091S | 700 | N | 30 | <500 | 70 | N |
| 84SC093S | 700 | N | 30 | N | 50 | N |
| 84SC094S | 700 | N | 30 | N | 50 | N |
| 84SC095S | 700 | N | 30 | N | 70 | N |
| 84SC096S | 1,500 | N | 30 | N | 70 | N |
| 84SC098 | 700 | N | 30 | N | 70 | N |
| 84SC099 | 500 | N | 20 | N | 30 | N |
| 84SC100 | 700 | N | 30 | <500 | 100 | N |
| 84SC101S | 700 | N | 20 | N | 100 | N |
| 84SC102S | 700 | N | 30 | N | 70 | N |
| 84SC103S | 1,000 | N | 30 | N | 50 | N |
| 84SC104S | 700 | N | 20 | N | 50 | N |
| 84SC105S | 700 | N | 30 | N | 70 | N |
| 84SC107S | 700 | N | 20 | N | 50 | N |
| 84SC108S | 700 | N | 30 | N | 70 | N |
| 84SC109S | 700 | N | 30 | <500 | 300 | N |
| 84SC110S | 700 | N | 30 | N | 300 | N |
| 84SC111S | 700 | N | 30 | N | 70 | N |
| 84SC112S | 700 | N | 30 | 500 | 300 | N |
| 84SC113S | 700 | N | 30 | N | 200 | N |
| 84SC114S | 700 | N | 50 | 500 | 100 | N |
| 84SC115S | 700 | N | 50 | N | 70 | N |
| 84SC116S | 300 | N | 20 | N | 70 | N |
| 84SC117S | 700 | N | 30 | N | 70 | N |
| 84SC118S | 700 | N | 30 | N | 70 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC119S | 17 42 59 | 64 43 50 | 20 | 2.00 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 50 | N |
| 84SC120S | 17 42 53 | 64 44 16 | 20 | 1.00 | 7.00 | >2.00 | 5,000 | N | N | N | 50 | <50 | N |
| 84SC121S | 17 43 6 | 64 43 33 | 7 | .70 | 10.00 | 1.00 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC122S | 17 43 16 | 64 42 54 | 7 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 100 | 500 | <2 |
| 84SC123S | 17 43 40 | 64 43 29 | 20 | 1.00 | 10.00 | 1.50 | 2,000 | N | N | N | 300 | 200 | <2 |
| 84SC124S | 17 43 57 | 64 42 43 | 20 | .70 | .70 | 2.00 | 2,000 | N | N | N | 20 | 1,500 | 5 |
| 84SC125S | 17 42 55 | 64 46 52 | 15 | 2.00 | 7.00 | >2.00 | 3,000 | N | N | N | 50 | 200 | N |
| 84SC126S | 17 43 9 | 64 46 27 | 30 | 2.00 | 7.00 | >2.00 | 7,000 | N | N | N | 50 | 100 | N |
| 84SC127S | 17 42 5 | 64 47 17 | 10 | 1.50 | 7.00 | >2.00 | 5,000 | N | N | N | 70 | 700 | N |
| 84SC128S | 17 43 17 | 64 48 8 | 10 | 2.00 | 7.00 | >2.00 | 5,000 | N | N | N | 70 | 50 | N |
| 84SC129S | 17 43 48 | 64 48 20 | 15 | 2.00 | 7.00 | >2.00 | 7,000 | N | N | N | 70 | <50 | N |
| 84SC130S | 17 42 52 | 64 48 3 | 15 | 2.00 | 7.00 | >2.00 | 5,000 | N | N | N | 70 | 70 | N |
| 84SC131S | 17 43 2 | 64 48 51 | 10 | 1.00 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 300 | N |
| 84SC132S | 17 42 37 | 64 48 40 | 10 | 1.00 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | <50 | N |
| 84SC133S | 17 43 0 | 64 49 18 | 7 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 100 | N |
| 84SC134S | 17 43 25 | 64 49 26 | 7 | .70 | 7.00 | .50 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC135S | 17 43 34 | 64 48 59 | 5 | .70 | 7.00 | .50 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC136S | 17 42 27 | 64 49 16 | 7 | .70 | 7.00 | 1.50 | 2,000 | N | N | N | 50 | 50 | N |
| 84SC137S | 17 41 33 | 64 48 52 | 7 | 2.00 | 15.00 | 1.50 | 2,000 | N | N | N | 50 | <50 | N |
| 84SC138S | 17 41 40 | 64 48 23 | 10 | 1.00 | 7.00 | >2.00 | 3,000 | N | N | N | 30 | 100 | N |
| 84SC139S | 17 41 55 | 64 49 7 | 10 | 1.50 | 7.00 | 2.00 | 5,000 | N | N | N | 50 | 300 | N |
| 84SC140S | 17 41 47 | 64 49 31 | 10 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 50 | 300 | N |
| 84SC141S | 17 41 21 | 64 49 25 | 10 | 1.00 | 7.00 | 2.00 | 3,000 | N | N | N | 50 | 150 | N |
| 84SC142S | 17 42 16 | 64 49 43 | 7 | .70 | 7.00 | .50 | 2,000 | N | N | N | 50 | 150 | N |
| 84SC143S | 17 42 44 | 64 49 53 | 15 | 1.00 | 5.00 | 1.50 | 2,000 | N | N | N | 50 | 200 | N |
| 84SC148 | 17 45 38 | 64 48 50 | 7 | 5.00 | 7.00 | .70 | 2,000 | N | N | N | <20 | 200 | N |
| 84SC150S | 17 45 34 | 64 48 13 | 10 | 5.00 | 7.00 | 1.00 | 2,000 | N | N | N | 30 | 500 | N |
| 84SC154 | 17 47 26 | 64 37 32 | 30 | .70 | .20 | .50 | 1,000 | N | N | N | 30 | 700 | 7 |
| 84SC156 | 17 47 12 | 64 37 10 | 50 | 1.50 | .70 | .20 | 1,500 | N | N | N | 70 | 500 | 5 |
| 84SC200 | 17 45 20 | 64 34 56 | 20 | 1.50 | 5.00 | .50 | 3,000 | N | N | N | 500 | 700 | 5 |
| 84SC201 | 17 45 31 | 64 34 22 | 7 | 2.00 | 5.00 | .70 | 3,000 | N | N | N | 1,000 | 300 | <2 |
| 84SC202 | 17 45 36 | 64 34 31 | 15 | 1.50 | 5.00 | .70 | 2,000 | N | N | N | 1,000 | 300 | <2 |
| 84SC203 | 17 45 34 | 64 34 39 | 30 | 1.00 | .50 | .20 | 2,000 | N | N | N | 500 | 100 | 7 |
| 84SC204 | 17 45 38 | 64 34 48 | 15 | 1.50 | 5.00 | .70 | 1,500 | N | N | N | 50 | 300 | 3 |
| 84SC205 | 17 45 18 | 64 35 1 | 10 | 1.50 | 3.00 | .50 | 2,000 | N | N | N | 500 | 300 | 5 |
| 84SC206 | 17 45 13 | 64 35 33 | 7 | 2.00 | 7.00 | 1.50 | 1,500 | N | N | N | 200 | 200 | N |
| 84SC207 | 17 44 48 | 64 36 25 | 15 | 1.50 | 3.00 | 1.00 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SC208 | 17 45 12 | 64 34 20 | 15 | 2.00 | 5.00 | 1.00 | 2,000 | N | N | N | 2,000 | 300 | <2 |
| 84SC209 | 17 45 0 | 64 34 35 | 7 | 1.50 | 5.00 | .70 | 2,000 | N | N | N | 200 | 300 | 3 |
| 84SC210 | 17 45 1 | 64 34 53 | 15 | 1.00 | .70 | .30 | 700 | N | N | N | 300 | 500 | 5 |
| 84SC212 | 17 44 36 | 64 36 37 | 15 | 2.00 | 5.00 | 1.00 | 2,000 | N | N | N | 150 | 300 | <2 |
| 84SC213 | 17 44 17 | 64 37 7 | 15 | 1.50 | 2.00 | .50 | 1,500 | N | N | N | 200 | 700 | <2 |
| 84SC214 | 17 44 6 | 64 37 24 | 20 | 1.50 | 1.50 | .30 | 1,000 | N | N | N | 700 | 500 | 3 |
| 84SC215 | 17 44 1 | 64 37 38 | 7 | 1.00 | 7.00 | .50 | 2,000 | N | N | N | 50 | 300 | N |
| 84SC216 | 17 45 41 | 64 39 12 | 15 | 1.50 | 3.00 | .50 | 2,000 | N | N | N | 150 | 700 | 2 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC119S | N | N | 30 | 7,000 | 70 | N | N | N | 70 | 50 | N | 50 | N | 700 |
| 84SC120S | N | N | 20 | 10,000 | 70 | N | N | <50 | 70 | 300 | N | 50 | N | 700 |
| 84SC121S | N | N | <10 | 700 | 30 | <50 | N | N | 20 | 30 | N | 50 | N | 1,000 |
| 84SC122S | N | N | 30 | 200 | 100 | <50 | N | N | 30 | 70 | N | 50 | N | 1,000 |
| 84SC123S | N | N | 30 | 500 | 200 | N | N | N | 70 | 100 | N | 30 | N | 1,000 |
| 84SC124S | N | N | 70 | 300 | 500 | N | N | N | 100 | 100 | N | 50 | N | N |
| 84SC125S | N | N | 20 | 1,000 | 150 | N | N | N | 100 | 500 | N | 50 | <20 | 700 |
| 84SC126S | N | N | 30 | 5,000 | 30 | N | N | N | 30 | 70 | N | 50 | 150 | 500 |
| 84SC127S | N | N | 50 | 150 | 70 | <50 | N | N | 30 | 30 | N | 50 | N | 1,000 |
| 84SC128S | N | N | 30 | 200 | 50 | N | N | N | 20 | 30 | N | 50 | 70 | 700 |
| 84SC129S | N | N | 30 | 200 | 50 | N | N | <50 | 30 | 30 | N | 70 | N | 700 |
| 84SC130S | N | N | 50 | 300 | 50 | N | N | N | 30 | 200 | N | 70 | 50 | 700 |
| 84SC131S | N | N | 30 | 200 | 70 | N | N | N | 30 | 30 | N | 30 | N | 700 |
| 84SC132S | N | N | 20 | 700 | 30 | N | N | N | 30 | 20 | N | 50 | 20 | 700 |
| 84SC133S | N | N | 15 | 150 | 70 | <50 | N | N | 20 | 30 | N | 30 | N | 700 |
| 84SC134S | N | N | 20 | 70 | 70 | <50 | N | N | 20 | 20 | N | 30 | N | 700 |
| 84SC135S | N | N | 10 | 50 | 70 | N | N | N | 15 | 150 | N | 30 | N | 700 |
| 84SC136S | N | N | 15 | 200 | 70 | N | N | N | 30 | 50 | N | 20 | N | 700 |
| 84SC137S | N | N | 20 | 500 | 50 | <50 | N | N | 50 | 200 | N | 50 | 200 | 700 |
| 84SC138S | N | N | 20 | 300 | 70 | <50 | N | <50 | 30 | 200 | N | 30 | 20 | 700 |
| 84SC139S | N | N | 30 | 500 | 70 | N | N | N | 30 | 200 | N | 50 | 30 | 700 |
| 84SC140S | N | N | 30 | 200 | 100 | N | N | N | 50 | 50 | N | 20 | N | 700 |
| 84SC141S | N | N | 20 | 500 | 70 | N | N | N | 30 | 200 | N | 30 | 70 | 700 |
| 84SC142S | N | N | 20 | 70 | 70 | <50 | N | N | 20 | 30 | N | 20 | N | 1,000 |
| 84SC143S | N | N | 30 | 200 | 100 | N | N | N | 30 | 70 | N | 20 | 200 | 700 |
| 84SC148 | N | N | 50 | 300 | 100 | N | N | N | 50 | <20 | N | 70 | N | <200 |
| 84SC150S | N | N | 30 | 200 | 200 | N | N | N | 50 | <20 | N | 70 | N | N |
| 84SC154 | N | N | 70 | 500 | 700 | N | N | N | 200 | 100 | N | 20 | N | N |
| 84SC156 | N | N | 70 | 700 | 700 | N | N | N | 100 | 150 | N | 30 | N | N |
| 84SC200 | N | N | 100 | 1,000 | 1,000 | N | N | N | 200 | 100 | N | 50 | N | N |
| 84SC201 | N | N | 30 | 200 | 200 | N | N | N | 100 | 30 | N | 50 | N | 700 |
| 84SC202 | N | N | 50 | 1,000 | 300 | N | N | N | 200 | 50 | N | 50 | N | 700 |
| 84SC203 | N | N | 100 | 700 | 700 | N | N | N | 500 | 70 | N | 20 | N | N |
| 84SC204 | N | N | 30 | 150 | 200 | N | N | N | 100 | 50 | N | 20 | N | 700 |
| 84SC205 | N | N | 30 | 200 | 300 | N | N | N | 150 | 50 | N | 30 | N | 700 |
| 84SC206 | N | N | 50 | 300 | 150 | N | N | N | 70 | 30 | N | 50 | N | 1,000 |
| 84SC207 | N | N | 30 | 700 | 300 | N | N | N | 150 | 70 | N | 50 | N | 700 |
| 84SC208 | N | N | 50 | 500 | 300 | N | N | N | 150 | 50 | N | 70 | N | 700 |
| 84SC209 | N | N | 30 | 200 | 200 | N | N | N | 150 | 50 | N | 30 | N | 1,000 |
| 84SC210 | N | N | 50 | 200 | 500 | N | N | N | 150 | 100 | N | 20 | N | N |
| 84SC212 | N | N | 50 | 500 | 300 | N | N | N | 150 | 70 | N | 50 | N | 700 |
| 84SC213 | N | N | 50 | 500 | 700 | <50 | N | N | 150 | 100 | N | 30 | N | 500 |
| 84SC214 | N | N | 100 | 150 | 1,500 | N | N | N | 300 | 150 | N | 20 | N | 200 |
| 84SC215 | N | N | 20 | 150 | 100 | N | N | N | 70 | 50 | N | 50 | N | 1,500 |
| 84SC216 | N | N | 30 | 500 | 300 | N | N | N | 300 | 70 | N | 30 | N | 700 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC119S | 700 | N | 50 | <500 | 100 | N |
| 84SC120S | 700 | N | 30 | <500 | 200 | N |
| 84SC121S | 700 | N | 30 | N | 70 | N |
| 84SC122S | 700 | N | 30 | N | 70 | N |
| 84SC123S | 1,000 | N | 30 | N | 100 | N |
| 84SC124S | 1,000 | N | 70 | 500 | 150 | N |
| 84SC125S | 700 | N | 30 | 2,000 | 300 | N |
| 84SC126S | 700 | N | 30 | <500 | 200 | N |
| 84SC127S | 700 | N | 30 | N | 100 | N |
| 84SC128S | 700 | N | 30 | N | 100 | N |
| 84SC129S | 700 | N | 30 | N | 100 | N |
| 84SC130S | 700 | N | 30 | N | 100 | N |
| 84SC131S | 700 | N | 30 | N | 100 | N |
| 84SC132S | 700 | N | 20 | N | 100 | N |
| 84SC133S | 500 | N | 30 | N | 100 | N |
| 84SC134S | 500 | N | 20 | N | 50 | N |
| 84SC135S | 500 | N | 30 | N | 50 | N |
| 84SC136S | 500 | N | <20 | N | 50 | N |
| 84SC137S | 300 | N | 30 | N | 50 | N |
| 84SC138S | 500 | N | 30 | 2,000 | 100 | N |
| 84SC139S | 500 | N | 30 | N | 100 | N |
| 84SC140S | 700 | N | 30 | N | 70 | N |
| 84SC141S | 500 | N | 20 | N | 70 | N |
| 84SC142S | 500 | N | 30 | N | 50 | N |
| 84SC143S | 1,000 | N | 30 | N | 50 | N |
| 84SC148 | 700 | N | 30 | N | 50 | N |
| 84SC150S | 500 | N | 70 | N | 50 | N |
| 84SC154 | 500 | N | 50 | 1,500 | 70 | N |
| 84SC156 | 500 | N | 30 | 700 | 50 | N |
| 84SC200 | 500 | N | 50 | 700 | 50 | N |
| 84SC201 | 500 | N | 30 | <500 | 30 | N |
| 84SC202 | 500 | N | 30 | 500 | 50 | N |
| 84SC203 | 300 | N | 50 | 1,000 | 50 | N |
| 84SC204 | 500 | N | 30 | 500 | 50 | N |
| 84SC205 | 300 | N | 30 | 500 | 50 | N |
| 84SC206 | 500 | N | 30 | N | 50 | N |
| 84SC207 | 500 | N | 30 | <500 | 50 | N |
| 84SC208 | 500 | N | 50 | <500 | 50 | N |
| 84SC209 | 300 | N | 30 | N | 70 | N |
| 84SC210 | 700 | N | 50 | 500 | 30 | N |
| 84SC212 | 500 | N | 30 | 500 | 70 | N |
| 84SC213 | 500 | N | 50 | 500 | 50 | N |
| 84SC214 | 700 | N | 50 | 700 | 30 | N |
| 84SC215 | 500 | N | 20 | N | 50 | N |
| 84SC216 | 700 | N | 20 | <500 | 50 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC218 | 17 45 1 | 64 38 17 | 15 | 1.50 | 3.00 | .70 | 1,500 | N | N | N | 500 | 700 | 2 |
| 84SC219 | 17 45 24 | 64 37 38 | 20 | 1.00 | 1.50 | 1.00 | 2,000 | N | N | N | 70 | 700 | 5 |
| 84SC220 | 17 45 5 | 64 37 40 | 20 | 1.00 | 1.50 | 1.00 | 1,500 | N | N | N | 150 | 700 | 5 |
| 84SC221 | 17 44 56 | 64 37 33 | 30 | 1.50 | 1.50 | .50 | 1,000 | N | N | N | 300 | 700 | 5 |
| 84SC222 | 17 44 57 | 64 37 15 | 15 | 1.00 | 3.00 | .70 | 1,500 | N | N | N | 70 | 700 | 5 |
| 84SC223 | 17 44 57 | 64 36 46 | 20 | 2.00 | 3.00 | .70 | 2,000 | N | N | N | 300 | 500 | <2 |
| 84SC224 | 17 45 14 | 64 36 23 | 15 | .70 | 3.00 | .70 | 2,000 | N | N | N | 70 | 700 | <2 |
| 84SC225 | 17 44 33 | 64 38 59 | 20 | 1.00 | 1.50 | .70 | 1,500 | N | N | N | 70 | 500 | <2 |
| 84SC226 | 17 44 13 | 64 38 39 | 30 | 1.50 | 2.00 | .70 | 1,500 | N | N | N | 100 | 500 | 3 |
| 84SC227 | 17 44 20 | 64 36 56 | 10 | 1.00 | 5.00 | 1.00 | 1,500 | N | N | N | 200 | 300 | <2 |
| 84SC228S | 17 44 6 | 64 36 39 | 7 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 200 | N |
| 84SC229 | 17 44 10 | 64 38 0 | 15 | 1.50 | 3.00 | .70 | 1,000 | N | N | N | 100 | 500 | <2 |
| 84SC230S | 17 43 39 | 64 38 43 | 20 | .70 | .20 | .50 | 1,500 | N | N | N | 70 | 1,000 | 2 |
| 84SC231 | 17 44 12 | 64 39 3 | 30 | .70 | .50 | .50 | 500 | N | N | N | 70 | 500 | 2 |
| 84SC232S | 17 44 26 | 64 39 33 | 15 | 1.00 | 5.00 | .70 | 2,000 | N | N | N | 50 | 500 | <2 |
| 84SC233 | 17 44 50 | 64 38 53 | 20 | 2.00 | 3.00 | .70 | 2,000 | N | N | N | 150 | 1,000 | <2 |
| 84SC234 | 17 44 48 | 64 38 51 | 15 | 1.50 | 3.00 | .70 | 1,000 | N | N | N | 150 | 700 | 3 |
| 84SC235 | 17 45 3 | 64 39 3 | 10 | 2.00 | 3.00 | .50 | 1,500 | N | N | N | 70 | 700 | <2 |
| 84SC236 | 17 45 6 | 64 40 4 | 10 | 5.00 | 5.00 | 1.00 | 2,000 | N | N | N | <20 | 500 | N |
| 84SC239 | 17 43 59 | 64 41 30 | 7 | .70 | 7.00 | 1.00 | 1,500 | N | N | N | 200 | 500 | <2 |
| 84SC240 | 17 44 5 | 64 41 17 | 15 | 1.00 | 5.00 | 1.50 | 2,000 | N | N | N | 700 | 700 | 5 |
| 84SC240 | 17 44 5 | 64 41 19 | 15 | 1.00 | 5.00 | 1.50 | 2,000 | N | N | N | 700 | 700 | 5 |
| 84SC240S | 17 44 5 | 64 41 17 | 10 | 1.00 | 7.00 | 1.00 | 1,500 | N | N | N | 50 | 300 | <2 |
| 84SC240S | 17 44 5 | 64 41 19 | 10 | 1.00 | 7.00 | 1.00 | 1,500 | N | N | N | 50 | 300 | <2 |
| 84SC241 | 17 43 10 | 64 41 27 | 7 | 1.00 | 7.00 | >2.00 | 3,000 | N | N | N | 70 | 200 | N |
| 84SC242 | 17 43 13 | 64 40 42 | 15 | 1.00 | 3.00 | 1.50 | 1,000 | N | N | N | 70 | 500 | 2 |
| 84SC243 | 17 43 22 | 64 41 42 | 20 | 1.50 | 3.00 | 2.00 | 2,000 | N | N | N | 150 | 500 | 5 |
| 84SC244 | 17 43 8 | 64 41 14 | 15 | 1.00 | 5.00 | 2.00 | 3,000 | N | N | N | 200 | 700 | 5 |
| 84SC245 | 17 43 46 | 64 40 10 | 10 | 1.00 | 5.00 | .70 | 1,000 | N | N | N | 70 | 700 | 5 |
| 84SC246 | 17 44 37 | 64 40 29 | 10 | 3.00 | 5.00 | 1.50 | 1,500 | N | N | N | 50 | 500 | <2 |
| 84SC247 | 17 44 30 | 64 40 53 | 7 | .70 | 7.00 | .70 | 1,500 | N | N | N | 50 | 500 | <2 |
| 84SC248 | 17 44 34 | 64 40 47 | 15 | 1.50 | 5.00 | 1.00 | 1,000 | N | N | N | 70 | 700 | 5 |
| 84SC249 | 17 45 31 | 64 40 19 | 7 | 3.00 | 5.00 | 1.50 | 2,000 | N | N | N | <20 | 500 | N |
| 84SC251 | 17 44 26 | 64 41 39 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 200 | 700 | 2 |
| 84SC251S | 17 44 26 | 64 41 39 | 5 | .70 | 7.00 | .70 | 1,500 | N | N | N | 70 | 300 | N |
| 84SC252 | 17 44 28 | 64 41 47 | 7 | 1.00 | 7.00 | 1.00 | 2,000 | N | N | N | 150 | 500 | <2 |
| 84SC253 | 17 44 43 | 64 42 2 | 5 | .70 | 7.00 | .70 | 2,000 | N | N | N | 70 | 500 | <2 |
| 84SC254 | 17 44 27 | 64 42 4 | 5 | .70 | 7.00 | 1.00 | 2,000 | N | N | N | 150 | 500 | <2 |
| 84SC255 | 17 44 17 | 64 42 37 | 7 | 1.00 | 7.00 | .70 | 2,000 | N | N | N | 100 | 500 | <2 |
| 84SC256 | 17 43 54 | 64 42 19 | 7 | 1.00 | 7.00 | .70 | 1,500 | N | N | N | 150 | 500 | <2 |
| 84SC257 | 17 43 25 | 64 42 4 | 20 | 1.50 | 2.00 | 2.00 | 2,000 | N | N | N | <20 | 700 | 5 |
| 84SC258 | 17 43 30 | 64 42 13 | 20 | .70 | 2.00 | 2.00 | 2,000 | N | N | N | 200 | 700 | 5 |
| 84SC259S | 17 42 38 | 64 42 14 | 10 | .70 | 5.00 | 2.00 | 2,000 | N | N | N | 100 | 500 | <2 |
| 84SC260S | 17 46 58 | 64 45 0 | 15 | 1.50 | 3.00 | 1.00 | 3,000 | 10.0 | N | N | 100 | 700 | N |
| 84SC261S | 17 46 24 | 64 45 1 | 7 | .70 | 7.00 | .70 | 3,000 | N | N | N | 70 | 50 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC218 | N | N | 70 | 300 | 700 | N | N | N | 150 | 100 | N | 50 | N | 500 |
| 84SC219 | N | N | 70 | 1,000 | 500 | N | N | N | 300 | 70 | N | 30 | N | 200 |
| 84SC220 | N | N | 70 | 1,000 | 700 | N | N | N | 300 | 100 | N | 50 | N | 500 |
| 84SC221 | N | N | 70 | 1,000 | 1,000 | N | N | N | 300 | 100 | N | 30 | N | 200 |
| 84SC222 | N | N | 30 | 500 | 300 | N | N | N | 200 | 70 | N | 20 | N | 700 |
| 84SC223 | N | N | 70 | 1,500 | 700 | N | N | N | 300 | 100 | N | 70 | N | 500 |
| 84SC224 | N | N | 30 | 200 | 300 | N | N | N | 200 | 70 | N | 20 | N | 500 |
| 84SC225 | N | N | 70 | 150 | 700 | N | N | N | 150 | 150 | N | 20 | N | 500 |
| 84SC226 | N | N | 70 | 300 | 1,000 | N | N | N | 200 | 100 | N | 20 | N | 700 |
| 84SC227 | N | N | 30 | 200 | 300 | <50 | N | N | 100 | 70 | N | 30 | N | 700 |
| 84SC228S | N | N | 20 | 150 | 100 | <50 | N | N | 70 | 30 | N | 50 | N | 1,000 |
| 84SC229 | N | N | 70 | 1,000 | 1,000 | <50 | N | N | 300 | 100 | N | 50 | N | 500 |
| 84SC230S | N | N | 100 | 500 | 1,500 | N | N | N | 500 | 100 | N | 20 | N | N |
| 84SC231 | N | N | 150 | 500 | 1,000 | N | N | N | 300 | 100 | N | 15 | N | N |
| 84SC232S | N | N | 200 | 7,000 | 1,000 | N | N | N | 500 | 70 | N | 15 | N | N |
| 84SC233 | N | N | 100 | 1,000 | 700 | N | N | N | 300 | 70 | N | 50 | N | 500 |
| 84SC234 | N | N | 70 | 500 | 500 | <50 | N | N | 200 | 70 | N | 20 | N | 500 |
| 84SC235 | N | N | 50 | 700 | 500 | <50 | N | N | 300 | 50 | N | 20 | N | 500 |
| 84SC236 | N | N | 70 | 700 | 200 | <50 | N | N | 200 | 50 | N | 50 | N | 700 |
| 84SC239 | N | N | 30 | 70 | 100 | 50 | N | N | 30 | 20 | N | 50 | N | 1,000 |
| 84SC240 | N | N | 50 | 3,000 | 500 | <50 | N | N | 300 | 100 | N | 30 | N | 700 |
| 84SC240 | N | N | 50 | 3,000 | 500 | <50 | N | N | 300 | 100 | N | 30 | N | 700 |
| 84SC240S | N | N | 30 | 70 | 500 | <50 | N | N | 70 | 150 | N | 50 | N | 1,000 |
| 84SC240S | N | N | 30 | 70 | 500 | <50 | N | N | 70 | 150 | N | 50 | N | 1,000 |
| 84SC241 | N | N | 20 | 500 | 100 | N | N | 100 | 50 | 20 | N | 20 | N | 1,000 |
| 84SC242 | N | N | 150 | 7,000 | 300 | <50 | N | N | 300 | 100 | N | 20 | N | 700 |
| 84SC243 | N | N | 70 | 2,000 | 500 | N | N | N | 200 | 70 | N | 20 | N | 500 |
| 84SC244 | N | N | 70 | 300 | 200 | <50 | N | <50 | 200 | 70 | N | 20 | N | 700 |
| 84SC245 | N | N | 50 | 1,000 | 200 | <50 | N | N | 300 | 50 | N | 20 | N | 1,500 |
| 84SC246 | N | N | 50 | 1,000 | 200 | 200 | N | N | 300 | 50 | N | 50 | N | 500 |
| 84SC247 | N | N | 20 | 700 | 150 | <50 | N | N | 100 | 20 | N | 20 | N | 1,000 |
| 84SC248 | N | N | 50 | 2,000 | 500 | 50 | N | N | 500 | 100 | N | 20 | N | 700 |
| 84SC249 | N | N | 30 | 10,000 | 200 | N | N | N | 300 | 50 | N | 20 | N | 700 |
| 84SC251 | N | N | 20 | 100 | 200 | <50 | N | N | 70 | 70 | N | 20 | N | 700 |
| 84SC251S | N | N | 20 | 70 | 70 | <50 | N | N | 15 | <20 | N | 20 | N | 700 |
| 84SC252 | N | N | 20 | 150 | 100 | 50 | N | N | 70 | 20 | N | 30 | N | 1,000 |
| 84SC253 | N | N | 20 | 20 | 100 | <50 | N | N | 15 | 30 | N | 20 | N | 1,000 |
| 84SC254 | N | N | 20 | 20 | 70 | <50 | N | N | 10 | 100 | N | 30 | N | 1,500 |
| 84SC255 | N | N | 20 | 100 | 150 | <50 | N | N | 50 | 30 | N | 50 | N | 1,500 |
| 84SC256 | N | N | 20 | 100 | 100 | <50 | N | N | 30 | 50 | N | 30 | N | 1,500 |
| 84SC257 | N | N | 50 | 5,000 | 300 | N | N | N | 100 | 70 | N | 30 | N | 200 |
| 84SC258 | N | N | 50 | 1,000 | 500 | N | N | N | 200 | 100 | N | 20 | N | 500 |
| 84SC259S | N | N | 20 | 1,000 | 100 | N | N | N | 50 | 30 | N | 30 | N | 1,500 |
| 84SC260S | N | N | 100 | 30 | 700 | <50 | N | N | 30 | 70 | N | 30 | N | 300 |
| 84SC261S | N | N | 15 | 300 | 70 | <50 | <10 | N | 100 | 50 | N | 30 | N | 1,000 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC218 | 700 | N | 50 | <500 | 70 | N |
| 84SC219 | 500 | N | 70 | 700 | 70 | N |
| 84SC220 | 500 | N | 50 | <500 | 70 | N |
| 84SC221 | 500 | N | 50 | <500 | 50 | N |
| 84SC222 | 300 | N | 50 | <500 | 70 | N |
| 84SC223 | 500 | N | 50 | 500 | 50 | N |
| 84SC224 | 300 | N | 50 | 500 | 70 | N |
| 84SC225 | 700 | N | 30 | 700 | 50 | N |
| 84SC226 | 500 | N | 50 | 500 | 50 | N |
| 84SC227 | 500 | N | 30 | <500 | 50 | N |
| 84SC228S | 500 | N | 50 | N | 50 | N |
| 84SC229 | 700 | N | 50 | <500 | 50 | N |
| 84SC230S | 700 | N | 50 | 1,000 | 70 | N |
| 84SC231 | 1,000 | N | 50 | 700 | 50 | N |
| 84SC232S | 700 | N | 50 | 500 | 70 | N |
| 84SC233 | 700 | N | 30 | <500 | 50 | N |
| 84SC234 | 500 | N | 30 | 500 | 50 | N |
| 84SC235 | 700 | N | 30 | <500 | 50 | N |
| 84SC236 | 700 | N | 50 | N | 70 | N |
| 84SC239 | 500 | N | 30 | N | 100 | N |
| 84SC240 | 700 | N | 50 | 500 | 100 | N |
| 84SC240 | 700 | N | 50 | 500 | 100 | N |
| 84SC240S | 700 | N | 50 | N | 100 | N |
| 84SC240S | 700 | N | 50 | N | 100 | N |
| 84SC241 | 500 | N | 30 | N | 200 | N |
| 84SC242 | 700 | N | 50 | <500 | 100 | N |
| 84SC243 | 500 | N | 50 | 500 | 100 | N |
| 84SC244 | 700 | N | 50 | 500 | 300 | N |
| 84SC245 | 500 | N | 50 | <500 | 150 | N |
| 84SC246 | 700 | N | 50 | <500 | 200 | N |
| 84SC247 | 500 | N | 30 | N | 100 | N |
| 84SC248 | 500 | N | 50 | <500 | 100 | N |
| 84SC249 | 500 | N | 30 | 1,000 | 70 | N |
| 84SC251 | 500 | N | 30 | N | 70 | N |
| 84SC251S | 700 | N | 30 | N | 100 | N |
| 84SC252 | 500 | N | 30 | N | 100 | N |
| 84SC253 | 500 | N | 30 | N | 100 | N |
| 84SC254 | 500 | N | 30 | N | 100 | N |
| 84SC255 | 700 | N | 30 | N | 100 | N |
| 84SC256 | 700 | N | 30 | N | 100 | N |
| 84SC257 | 500 | N | 50 | 700 | 70 | N |
| 84SC258 | 500 | N | 50 | 1,000 | 100 | N |
| 84SC259S | 700 | N | 30 | N | 100 | N |
| 84SC260S | 300 | N | 50 | N | 70 | N |
| 84SC261S | 500 | N | 30 | N | 150 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC262S | 17 46 34 | 64 45 4 | 10 | 1.00 | 5.00 | 2.00 | 3,000 | N | N | N | 70 | 300 | N |
| 84SC263 | 17 46 9 | 64 44 59 | 7 | 1.00 | 7.00 | 1.00 | 2,000 | N | N | N | 100 | 200 | N |
| 84SC264S | 17 46 16 | 64 44 25 | 15 | 1.50 | 7.00 | 1.50 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC264S | 17 46 13 | 64 44 22 | 15 | 1.50 | 7.00 | 1.50 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC267S | 17 41 19 | 64 52 49 | 20 | .70 | 3.00 | >2.00 | 7,000 | N | N | N | 20 | <50 | N |
| 84SC268S | 17 41 29 | 64 52 14 | 20 | .70 | 3.00 | >2.00 | 5,000 | N | N | N | 50 | 150 | N |
| 84SC269S | 17 41 30 | 64 51 47 | 15 | .70 | 2.00 | 2.00 | 2,000 | N | N | N | 50 | 500 | 2 |
| 84SC270S | 17 41 33 | 64 50 53 | 15 | .70 | 3.00 | 1.00 | 2,000 | N | N | N | 70 | 500 | <2 |
| 84SC271S | 17 41 38 | 64 51 22 | 15 | 1.00 | 3.00 | 1.00 | 2,000 | N | N | N | 50 | 700 | <2 |
| 84SC272S | 17 42 6 | 64 50 37 | 15 | .70 | 3.00 | .50 | 5,000 | N | N | N | 50 | 500 | <2 |
| 84SC274S | 17 41 33 | 64 50 25 | 10 | .70 | 7.00 | 1.00 | 3,000 | N | N | N | 70 | 1,500 | N |
| 84SC275S | 17 42 8 | 64 51 5 | 15 | 1.00 | 1.50 | .70 | 3,000 | N | N | N | 70 | 700 | <2 |
| 84SC276S | 17 42 0 | 64 52 20 | 15 | 1.00 | 5.00 | >2.00 | 5,000 | N | N | N | 70 | <50 | N |
| 84SC277S | 17 41 52 | 64 52 43 | 20 | .70 | 2.00 | >2.00 | 7,000 | N | N | N | 70 | N | N |
| 84SC278S | 17 42 13 | 64 51 46 | 15 | 1.00 | 5.00 | >2.00 | 5,000 | N | N | N | 70 | 50 | N |
| 84SC279S | 17 42 30 | 64 51 9 | 15 | 1.00 | 3.00 | 1.50 | 3,000 | N | N | N | 70 | 700 | <2 |
| 84SC281S | 17 41 34 | 64 49 27 | 10 | 1.50 | 7.00 | 1.00 | 2,000 | N | N | N | 70 | 500 | N |
| 84SC282S | 17 41 53 | 64 49 47 | 7 | 1.50 | 7.00 | .50 | 2,000 | N | N | N | 70 | 150 | N |
| 84SC283S | 17 42 30 | 64 49 47 | 15 | 1.00 | 5.00 | .70 | 2,000 | N | N | N | 70 | 300 | <2 |
| 84SC284S | 17 42 38 | 64 50 13 | 7 | 1.50 | 7.00 | .70 | 2,000 | N | N | N | 70 | 200 | N |
| 84SC285S | 17 45 23 | 64 41 35 | 20 | .70 | .50 | .70 | 500 | N | N | N | 20 | 2,000 | 7 |
| 84SC286S | 17 44 24 | 64 40 13 | 20 | .70 | .70 | .30 | 1,500 | N | N | N | 20 | 700 | 7 |
| 84SC287S | 17 43 12 | 64 41 40 | 30 | .70 | 3.00 | >2.00 | 5,000 | N | N | N | 50 | 500 | <2 |
| 84SC288S | 17 43 26 | 64 41 44 | 20 | .70 | 1.00 | .70 | 1,500 | N | N | N | 50 | 700 | 7 |
| 84SC289S | 17 43 38 | 64 41 42 | 20 | 1.00 | .20 | .50 | 2,000 | N | N | N | 50 | 700 | 5 |
| 84SC290S | 17 43 41 | 64 41 36 | 30 | 1.00 | 2.00 | 2.00 | 2,000 | N | N | N | 50 | 700 | <2 |
| 84SC291S | 17 43 49 | 64 41 30 | 20 | 1.50 | 3.00 | 1.00 | 2,000 | N | N | N | 1,500 | 700 | 5 |
| 84SC293S | 17 44 26 | 64 41 31 | 7 | .70 | 7.00 | .70 | 2,000 | N | N | N | 70 | 700 | <2 |
| 84SC294S | 17 44 39 | 64 41 46 | 5 | .50 | 5.00 | .70 | 2,000 | N | N | N | 50 | 700 | <2 |
| 84SC295S | 17 44 32 | 64 41 47 | 7 | .70 | 7.00 | .70 | 2,000 | N | N | N | 70 | 700 | <2 |
| 84SC297S | 17 44 8 | 64 41 40 | 20 | 1.00 | 5.00 | 2.00 | 3,000 | N | N | N | 700 | 700 | 5 |
| 84SC298S | 17 44 10 | 64 41 52 | 30 | .70 | .50 | 1.50 | 3,000 | N | N | N | 70 | 1,000 | 7 |
| 84SC299 | 17 45 45 | 64 51 2 | 7 | 1.00 | 7.00 | .30 | 2,000 | N | N | N | 30 | 150 | N |
| 84SC299S | 17 45 45 | 64 51 2 | 7 | .70 | 7.00 | .50 | 1,500 | N | N | N | 30 | 200 | N |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC262S | N | N | 50 | 300 | 300 | 100 | N | N | 50 | 70 | N | 30 | N | 700 |
| 84SC263 | N | N | 20 | 200 | 70 | <50 | N | N | 20 | 50 | N | 20 | N | 1,000 |
| 84SC264S | N | N | 50 | 500 | 500 | N | N | N | 50 | 70 | N | 30 | N | 1,000 |
| 84SC264S | N | N | 50 | 500 | 500 | N | N | N | 50 | 70 | N | 30 | N | 1,000 |
| 84SC267S | N | N | 50 | 5,000 | 200 | N | N | N | 70 | 50 | N | 15 | N | <200 |
| 84SC268S | N | N | 70 | 5,000 | 200 | N | N | N | 70 | 70 | N | 20 | N | 200 |
| 84SC269S | N | N | 70 | 3,000 | 200 | <50 | N | N | 70 | 70 | N | 15 | N | 200 |
| 84SC270S | N | N | 50 | 500 | 200 | N | N | N | 50 | 70 | N | 15 | N | 700 |
| 84SC271S | N | N | 50 | 500 | 200 | N | N | N | 50 | 50 | N | 15 | N | 700 |
| 84SC272S | N | N | 50 | 150 | 150 | N | N | N | 50 | 50 | N | 20 | N | 700 |
| 84SC274S | N | N | 70 | 500 | 150 | <50 | N | N | 50 | 50 | N | 20 | N | 1,000 |
| 84SC275S | N | N | 50 | 300 | 200 | N | N | N | 50 | 100 | N | 15 | N | 300 |
| 84SC276S | N | N | 30 | 2,000 | 150 | N | N | N | 30 | 70 | N | 20 | 70 | 700 |
| 84SC277S | N | N | 50 | 5,000 | 150 | N | N | <50 | 50 | 50 | N | 15 | N | 200 |
| 84SC278S | N | N | 50 | 5,000 | 100 | N | N | N | 30 | 70 | N | 20 | 100 | 1,500 |
| 84SC279S | N | N | 30 | 1,000 | 100 | <50 | N | N | 50 | 50 | N | 15 | 300 | 700 |
| 84SC281S | N | N | 30 | 300 | 70 | N | N | N | 50 | 300 | N | 30 | 100 | 1,000 |
| 84SC282S | N | N | 30 | 100 | 70 | N | N | N | 20 | 50 | N | 20 | N | 1,000 |
| 84SC283S | N | N | 30 | 200 | 100 | N | N | N | 50 | 70 | N | 30 | N | 1,000 |
| 84SC284S | N | N | 30 | 200 | 100 | N | N | N | 30 | 50 | N | 30 | N | 1,000 |
| 84SC285S | N | N | 70 | >10,000 | 500 | <50 | N | N | 500 | 70 | N | 50 | N | N |
| 84SC286S | N | N | 50 | 500 | 700 | <50 | N | N | 300 | 70 | N | 15 | N | N |
| 84SC287S | N | N | 30 | 7,000 | 100 | N | N | <50 | 70 | 70 | N | 50 | N | 700 |
| 84SC288S | N | N | 30 | 1,500 | 200 | N | N | N | 70 | 70 | N | 15 | N | N |
| 84SC289S | N | N | 70 | 500 | 700 | N | 15 | N | 200 | 150 | N | 15 | N | N |
| 84SC290S | N | N | 150 | 100 | 500 | <50 | 15 | N | 200 | 100 | N | 20 | N | N |
| 84SC291S | N | N | 100 | 1,000 | 700 | N | N | N | 300 | 100 | N | 20 | N | <200 |
| 84SC293S | N | N | 20 | 70 | 100 | <50 | N | N | 20 | 100 | N | 20 | N | 1,500 |
| 84SC294S | N | N | 20 | 100 | 70 | <50 | N | N | 20 | 20 | N | 15 | N | 1,000 |
| 84SC295S | N | N | 20 | 70 | 70 | <50 | N | N | 15 | 100 | N | 20 | N | 1,000 |
| 84SC297S | N | N | 30 | 500 | 500 | <50 | N | N | 150 | 70 | N | 20 | N | 1,000 |
| 84SC298S | N | N | 70 | 300 | 700 | <50 | N | N | 300 | 100 | N | 20 | N | N |
| 84SC299 | N | N | 20 | 30 | 70 | N | N | N | 10 | 20 | N | 20 | N | 700 |
| 84SC299S | N | N | 20 | 50 | 100 | <50 | N | N | 10 | 20 | N | 20 | N | 700 |

Table 7. Semiquantitative spectrographic analyses of the magnetic fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC262S | 700 | N | 50 | N | 100 | N |
| 84SC263 | 700 | N | 30 | N | 100 | N |
| 84SC264S | 700 | N | 30 | N | 100 | N |
| 84SC264S | 700 | N | 30 | N | 100 | N |
| 84SC267S | 500 | N | 50 | <500 | 200 | N |
| 84SC268S | 700 | N | 50 | N | 100 | N |
| 84SC269S | 700 | N | 70 | <500 | 100 | N |
| 84SC270S | 1,000 | N | 50 | N | 200 | N |
| 84SC271S | 1,000 | N | 50 | N | 100 | N |
| 84SC272S | 1,000 | N | 50 | N | 100 | N |
| 84SC274S | 1,000 | N | 50 | N | 70 | N |
| 84SC275S | 1,000 | N | 30 | <500 | 70 | N |
| 84SC276S | 700 | N | 30 | <500 | 300 | N |
| 84SC277S | 700 | N | 30 | 500 | 500 | N |
| 84SC278S | 700 | N | 30 | N | 1,000 | N |
| 84SC279S | 700 | N | 50 | N | 100 | N |
| 84SC281S | 700 | N | 30 | N | 200 | N |
| 84SC282S | 700 | N | 30 | N | 70 | N |
| 84SC283S | 1,500 | N | 50 | N | 70 | N |
| 84SC284S | 700 | N | 30 | N | 50 | N |
| 84SC285S | 700 | N | 50 | <500 | 70 | N |
| 84SC286S | 1,000 | N | 30 | 500 | 50 | N |
| 84SC287S | 500 | N | 30 | 1,500 | 100 | N |
| 84SC288S | 500 | N | 30 | 500 | 70 | N |
| 84SC289S | 500 | N | 30 | 1,000 | 30 | N |
| 84SC290S | 700 | N | 50 | 700 | 500 | N |
| 84SC291S | 700 | N | 30 | 700 | 70 | N |
| 84SC293S | 700 | N | 30 | 700 | 100 | N |
| 84SC294S | 500 | N | 30 | N | 100 | N |
| 84SC295S | 500 | N | 30 | N | 100 | N |
| 84SC297S | 700 | N | 50 | 700 | 100 | N |
| 84SC298S | 500 | N | 100 | 1,500 | 100 | N |
| 84SC299 | 500 | N | 20 | N | 50 | N |
| 84SC299S | 500 | N | 20 | N | 70 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83SI001 | 18 20 46 | 64 53 14 | 20 | .70 | 10.00 | >2.00 | 2,000 | N | N | N | 150 | <50 | N | N | N | 20 | 500 |
| 83SI001S | 18 20 46 | 64 53 14 | 15 | .70 | 7.00 | 1.50 | 1,500 | N | N | N | 70 | 150 | <2 | N | N | 20 | 500 |
| 83SI002 | 18 20 48 | 64 52 44 | 50 | .70 | 3.00 | >2.00 | 2,000 | N | N | N | 30 | 70 | N | N | N | 100 | 1,500 |
| 83SI002S | 18 20 48 | 64 52 44 | 30 | 1.50 | 5.00 | >2.00 | 1,500 | N | N | N | N | 50 | <2 | N | N | 150 | 1,000 |
| 83SI003 | 18 20 23 | 64 51 58 | >50 | 2.00 | 7.00 | >2.00 | 1,500 | N | N | N | N | 100 | N | N | N | 200 | 1,000 |
| 83SI003S | 18 20 23 | 64 51 58 | 15 | 1.50 | 7.00 | 2.00 | 1,500 | N | N | N | 30 | 70 | N | N | N | 20 | 500 |
| 83SI004S | 18 19 15 | 64 50 24 | >50 | 2.00 | 10.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | >10,000 |
| 83SI005S | 18 19 36 | 64 50 13 | 30 | 1.00 | 10.00 | 1.50 | 1,500 | N | N | N | 20 | <50 | N | N | N | 150 | 500 |
| 83SI006S | 18 19 2 | 64 49 40 | 7 | 7.00 | 10.00 | 2.00 | 1,500 | N | N | N | N | N | N | N | N | 50 | 1,000 |
| 83SI007S | 18 18 41 | 64 49 41 | 20 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | 20 | N | N | N | N | 15 | 300 |
| 83SI008S | 18 17 52 | 64 49 2 | 50 | .30 | <1.00 | 1.00 | 300 | N | N | N | 20 | 50 | <2 | N | N | <10 | 30 |
| 83SI011S | 18 18 10 | 64 49 44 | 50 | .70 | .20 | 1.00 | 1,000 | N | N | N | N | 150 | N | N | N | 30 | 200 |
| 83SI014S | 18 18 26 | 64 52 14 | 50 | .30 | .15 | 1.00 | 1,500 | N | N | N | N | 70 | N | N | N | 30 | 500 |
| 83SI015S | 18 18 24 | 64 52 28 | 30 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | N | N | N | N | N | 70 | 200 |
| 83SI016S | 18 19 47 | 64 56 42 | 30 | 1.00 | 3.00 | >2.00 | 1,500 | N | N | N | 30 | <50 | N | N | N | 20 | 70 |
| 83SI018S | 18 19 19 | 64 57 7 | 30 | 1.50 | 3.00 | >2.00 | 5,000 | N | N | N | 20 | 500 | 2 | N | N | 15 | 700 |
| 83SI026 | 18 21 22 | 64 53 21 | 30 | .70 | 3.00 | >2.00 | 1,500 | N | N | N | 20 | 50 | N | N | N | 50 | 1,000 |
| 83SI027S | 18 21 52 | 64 53 35 | 30 | 1.50 | 3.00 | 2.00 | 1,500 | N | N | N | N | 70 | N | N | N | 50 | 3,000 |
| 83SI029S | 18 24 7 | 64 54 45 | 30 | 1.50 | 5.00 | >2.00 | 1,000 | N | N | N | <20 | N | N | N | N | 30 | 300 |
| 83SI030S | 18 24 35 | 64 54 29 | 20 | .70 | 5.00 | 2.00 | 1,500 | N | N | N | 20 | 50 | <2 | N | N | 15 | 200 |
| 83SI031S | 18 22 1 | 64 54 24 | 50 | 2.00 | 5.00 | 2.00 | 2,000 | N | N | N | 20 | 200 | N | N | N | 150 | 5,000 |
| 83SI034 | 18 21 34 | 64 55 39 | 30 | .70 | 5.00 | >2.00 | 2,000 | N | N | N | 70 | <50 | N | N | N | 20 | 200 |
| 83SI035 | 18 21 49 | 64 56 14 | 20 | 1.50 | 7.00 | >2.00 | 2,000 | N | N | N | 70 | 50 | N | N | N | 20 | 100 |
| 83SI036 | 18 22 28 | 64 56 57 | 10 | 2.00 | 10.00 | .70 | 1,000 | N | N | N | 70 | 50 | N | N | N | 20 | 300 |
| 83SI037 | 18 22 12 | 64 58 5 | 30 | .50 | 3.00 | >2.00 | 5,000 | N | N | N | 20 | <50 | N | N | N | 20 | 150 |
| 83SI038 | 18 23 0 | 64 58 8 | 20 | 1.00 | 5.00 | 2.00 | 1,500 | N | N | N | 30 | <50 | N | N | N | 20 | 300 |
| 83SI039 | 18 23 14 | 64 58 21 | 20 | 1.50 | 5.00 | 1.50 | 1,500 | N | N | N | 50 | 50 | N | N | N | 20 | 10,000 |
| 83SI040 | 18 23 41 | 64 58 8 | 20 | 1.00 | 7.00 | >2.00 | 2,000 | N | N | N | 50 | 70 | N | N | N | 20 | 1,000 |
| 83SI041 | 18 24 5 | 64 58 30 | 50 | 1.00 | 3.00 | 1.00 | 1,500 | N | N | N | 70 | 70 | <2 | N | N | 150 | 1,000 |
| 83SI042 | 18 22 24 | 64 58 32 | 30 | 1.50 | 5.00 | 2.00 | 3,000 | N | N | N | 50 | 300 | N | N | N | 30 | 50 |
| 83SI043 | 18 22 21 | 64 59 0 | 50 | 1.50 | 5.00 | >2.00 | 2,000 | N | N | N | 30 | 50 | N | N | N | 30 | 200 |
| 83SI045S | 18 20 4 | 64 56 15 | 50 | .10 | .15 | >2.00 | 1,500 | N | N | N | N | <50 | 2 | 300 | N | 20 | 30 |
| 83SI046 | 18 19 42 | 64 56 7 | 20 | 3.00 | 7.00 | 2.00 | 2,000 | N | N | N | 20 | 50 | N | N | N | 30 | 1,500 |
| 83SI047S | 18 16 44 | 64 53 46 | 30 | 2.00 | 3.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 30 | 700 |
| 83SI048 | 18 18 39 | 64 53 4 | 20 | 1.50 | 3.00 | 1.00 | 2,000 | N | N | N | <20 | <50 | N | N | N | 100 | 7,000 |
| 83SI050 | 18 19 38 | 64 55 18 | 30 | 2.00 | 5.00 | >2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 30 | 700 |
| 83SI055 | 18 21 0 | 64 59 10 | 20 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 20 | 500 |
| 83SI056 | 18 20 54 | 65 1 54 | 20 | 1.50 | 5.00 | .70 | 2,000 | N | N | N | 70 | <50 | N | N | N | 50 | 70 |
| 83SI057 | 18 21 16 | 65 2 6 | 20 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | 70 | 50 | N | N | N | 30 | 70 |
| 83SI058 | 18 20 40 | 65 4 47 | 15 | 1.00 | 7.00 | 1.50 | 1,500 | N | N | N | 50 | 50 | N | N | N | 20 | 70 |
| 83SI061 | 18 21 43 | 65 3 9 | 20 | .70 | 5.00 | >2.00 | 10,000 | N | N | N | 30 | 1,500 | N | N | N | 150 | 150 |
| 83SI062S | 18 22 52 | 65 3 40 | 30 | .70 | 3.00 | >2.00 | 10,000 | N | N | N | N | <50 | N | N | N | 50 | 2,000 |
| 83SI063S | 18 24 20 | 65 3 36 | 7 | .30 | 10.00 | .50 | 700 | N | N | N | 70 | <50 | <2 | N | N | 10 | 50 |
| 83SI065 | 18 21 46 | 64 59 37 | 30 | .70 | 5.00 | >2.00 | 1,000 | N | N | N | 70 | <50 | N | N | N | 20 | 150 |
| 83SI067 | 18 19 41 | 64 51 14 | 50 | .70 | 3.00 | >2.00 | 700 | N | N | N | 30 | <50 | N | N | N | 20 | 1,000 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | 150 | <50 | N | N | 20 | 50 | N | 50 | N | 700 | 2,000 | N | 50 | 500 | 100 | N |
| 83ST001S | 200 | 50 | N | N | 50 | 50 | N | 30 | N | 1,000 | 700 | N | 70 | N | 70 | N |
| 83ST002 | 300 | <50 | N | N | 100 | 300 | N | 50 | 70 | N | 2,000 | N | 50 | 700 | 100 | N |
| 83ST002S | 300 | 50 | N | N | 70 | 50 | N | 50 | N | 300 | 2,000 | N | 50 | <500 | 100 | N |
| 83ST003 | 500 | N | N | N | 70 | 70 | N | 50 | N | 700 | 2,000 | N | 70 | 700 | 100 | N |
| 83ST003S | 150 | <50 | N | N | 20 | 20 | N | 50 | N | 1,000 | 1,000 | N | 50 | N | 70 | N |
| 83ST004S | 500 | N | N | N | 200 | 70 | N | 100 | N | 1,000 | 2,000 | N | 70 | 1,000 | 50 | N |
| 83ST005S | 200 | <50 | N | N | 50 | N | N | 70 | N | 1,000 | 1,000 | N | 50 | N | 50 | N |
| 83ST006S | 70 | <50 | N | N | 70 | N | N | 70 | N | 200 | 700 | N | <20 | N | 20 | N |
| 83ST007S | 100 | N | N | N | 30 | 20 | N | 50 | N | 700 | 1,500 | N | 30 | N | 20 | N |
| 83ST008S | 70 | N | 10 | N | <10 | 70 | N | 10 | N | N | 300 | N | 70 | N | 100 | N |
| 83ST011S | 70 | N | 15 | N | 20 | 50 | N | 15 | N | N | 700 | N | 50 | <500 | 50 | N |
| 83ST014S | 200 | N | 20 | N | 70 | 70 | N | 15 | N | N | 1,000 | N | 20 | 500 | 50 | N |
| 83ST015S | 200 | <50 | N | N | 50 | <20 | N | 50 | N | 500 | 2,000 | N | 30 | N | 20 | N |
| 83ST016S | 100 | N | N | N | 20 | 50 | N | 20 | N | <200 | 3,000 | N | 30 | <500 | 70 | N |
| 83ST018S | 70 | 50 | N | N | 20 | 50 | N | 20 | N | 1,000 | 700 | N | 70 | 500 | 70 | N |
| 83ST026 | 300 | N | N | N | 70 | 50 | N | 20 | N | N | 2,000 | N | 50 | 500 | 70 | N |
| 83ST027S | 500 | N | N | N | 70 | <20 | N | 15 | N | <200 | 2,000 | N | 20 | 500 | 30 | N |
| 83ST029S | 100 | <50 | N | N | 30 | 20 | N | 20 | N | 500 | 2,000 | N | 20 | 500 | 30 | N |
| 83ST030S | 100 | N | N | N | 15 | 20 | N | 20 | N | 1,000 | 1,500 | N | 20 | N | 30 | N |
| 83ST031S | 700 | N | 15 | N | 200 | 700 | N | 30 | 200 | 500 | 1,000 | N | 50 | 1,500 | 50 | N |
| 83ST034 | 150 | <50 | N | N | 20 | 100 | N | 20 | 70 | 300 | 1,500 | N | 30 | N | 70 | N |
| 83ST035 | 200 | <50 | N | N | 20 | 100 | N | 30 | N | 300 | 1,500 | N | 30 | N | 70 | N |
| 83ST036 | 100 | N | N | N | 30 | <20 | N | 70 | N | 700 | 1,000 | N | 30 | N | 50 | N |
| 83ST037 | 100 | N | N | N | 15 | 20 | N | 15 | N | 200 | 3,000 | N | <20 | 500 | 50 | N |
| 83ST038 | 70 | <50 | N | N | 10 | <20 | N | 20 | N | 700 | 1,000 | N | 20 | N | 50 | N |
| 83ST039 | 200 | <50 | N | N | 150 | 100 | N | 70 | N | 1,000 | 1,000 | N | 50 | 3,000 | 50 | N |
| 83ST040 | 300 | N | N | N | 20 | 100 | N | 30 | 50 | 200 | 2,000 | N | 50 | 500 | 300 | N |
| 83ST041 | 1,500 | N | N | N | 100 | 100 | N | 20 | N | 200 | 2,000 | N | 50 | <500 | 70 | N |
| 83ST042 | 150 | N | N | N | 15 | <20 | N | 70 | 50 | <200 | 3,000 | N | 50 | <500 | 50 | N |
| 83ST043 | 200 | N | N | N | 50 | 200 | N | 30 | 70 | <200 | 3,000 | N | 20 | 700 | 50 | N |
| 83ST045S | N | N | N | N | <10 | 50 | N | 70 | N | N | 1,000 | N | 30 | 1,500 | 70 | N |
| 83ST046 | 150 | N | N | N | 70 | 30 | N | 50 | 100 | 200 | 1,500 | N | 50 | N | 100 | N |
| 83ST047S | 100 | N | N | N | 50 | 20 | N | 50 | N | <200 | 1,500 | N | 30 | N | 200 | N |
| 83ST048 | 1,000 | N | N | N | 70 | 50 | N | 50 | N | 300 | 1,000 | N | 50 | 1,500 | 70 | N |
| 83ST050 | 300 | N | N | N | 70 | 1,500 | N | 30 | 300 | <200 | 1,500 | N | 50 | <500 | 50 | N |
| 83ST055 | 150 | <50 | N | N | 50 | 1,500 | N | 20 | 200 | 300 | 1,500 | N | 30 | 500 | 50 | N |
| 83ST056 | 200 | N | N | N | 30 | 70 | N | 50 | N | 200 | 1,500 | N | 30 | 700 | 50 | N |
| 83ST057 | 200 | N | N | N | 20 | 20 | N | 50 | 30 | 700 | 1,500 | N | 30 | 500 | 50 | N |
| 83ST058 | 70 | N | N | N | 10 | <20 | N | 50 | N | 1,000 | 1,500 | N | 30 | N | 70 | N |
| 83ST061 | 100 | N | N | N | 20 | 70 | N | 20 | N | 700 | 700 | N | 50 | <500 | 100 | N |
| 83ST062S | 200 | N | N | N | 50 | 20 | N | 50 | N | 500 | 1,500 | N | 30 | 700 | 100 | N |
| 83ST063S | 50 | <50 | N | N | 10 | 20 | N | 70 | N | 1,500 | 300 | N | 30 | N | 70 | N |
| 83ST065 | 150 | N | N | N | 15 | 50 | N | 50 | N | 500 | 2,000 | N | 20 | 500 | 50 | N |
| 83ST067 | 100 | N | N | N | 20 | 70 | N | 50 | N | 700 | 1,500 | N | 150 | 1,500 | 200 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST068 | 18 19 59 | 64 51 14 | 50 | .70 | 2.00 | >2.00 | 1,000 | N | N | N | 50 | 50 | <2 | N | N | 20 | 1,500 |
| 83ST069 | 18 19 36 | 64 51 40 | 20 | .70 | 3.00 | >2.00 | 1,500 | N | N | N | 70 | 70 | <2 | N | N | 20 | 150 |
| 83ST070 | 18 19 40 | 64 52 23 | 30 | .70 | 3.00 | >2.00 | 1,500 | N | N | N | 50 | <50 | <2 | N | N | 20 | 700 |
| 83ST071 | 18 19 42 | 64 52 25 | 20 | 1.00 | 5.00 | 2.00 | 2,000 | N | N | N | 70 | 50 | N | N | N | 20 | 700 |
| 83ST072 | 18 19 19 | 64 53 29 | 50 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | <20 | <50 | N | N | N | 50 | 2,000 |
| 83ST073 | 18 19 27 | 64 53 28 | 50 | 1.50 | 3.00 | 2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 150 | 5,000 |
| 83ST074 | 18 20 5 | 64 53 3 | 15 | 2.00 | 7.00 | 2.00 | 2,000 | N | N | N | 50 | 50 | N | N | N | 30 | 1,000 |
| 83ST075 | 18 19 44 | 64 53 0 | 20 | 1.50 | 7.00 | 1.50 | 2,000 | N | N | N | 70 | N | <2 | N | N | 20 | 700 |
| 83ST076 | 18 19 34 | 64 54 35 | 30 | 1.50 | 5.00 | >2.00 | 1,500 | N | N | N | 20 | <50 | N | N | N | 20 | 200 |
| 83ST077 | 18 19 12 | 64 54 42 | 30 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | 30 | <50 | N | N | N | 30 | 200 |
| 83ST078 | 18 19 11 | 64 53 59 | 50 | 1.00 | 5.00 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 30 | 200 |
| 83ST079 | 18 19 30 | 64 54 16 | 15 | 2.00 | 5.00 | >2.00 | 5,000 | N | N | N | 20 | 300 | N | N | N | 30 | 1,000 |
| 83ST080 | 18 20 13 | 64 54 30 | 50 | .70 | 3.00 | >2.00 | 1,500 | N | N | N | 50 | N | N | N | N | 30 | 300 |
| 83ST081 | 18 20 18 | 64 54 24 | 20 | 1.50 | 7.00 | >2.00 | 2,000 | N | N | N | 50 | 50 | N | N | N | 20 | 100 |
| 83ST082 | 18 20 12 | 64 54 12 | 30 | 1.50 | 7.00 | 2.00 | 1,000 | N | N | N | 150 | <50 | N | N | N | 20 | 150 |
| 83ST083 | 18 20 15 | 64 53 30 | 10 | 1.00 | 10.00 | 2.00 | 1,500 | N | N | N | 70 | <50 | N | N | N | 20 | 100 |
| 83ST085 | 18 21 32 | 64 54 30 | 15 | 1.50 | 5.00 | 2.00 | 1,500 | N | N | N | 50 | 70 | N | N | N | 20 | 200 |
| 83ST086 | 18 21 17 | 64 55 16 | 30 | .70 | 5.00 | >2.00 | 2,000 | N | N | N | 150 | 70 | <2 | N | N | 30 | 1,000 |
| 83ST087 | 18 21 43 | 64 56 31 | 20 | 1.50 | 7.00 | >2.00 | 2,000 | N | N | N | 50 | 150 | N | N | N | 20 | 150 |
| 83ST088 | 18 22 11 | 64 57 8 | 15 | .70 | 3.00 | >2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 20 | 200 |
| 83ST089 | 18 22 9 | 64 57 38 | 30 | 1.50 | 3.00 | 2.00 | 2,000 | N | N | N | 20 | 50 | N | N | N | 30 | 70 |
| 83ST090 | 18 21 52 | 64 58 35 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | 30 | 70 | N | N | N | 20 | 200 |
| 83ST091 | 18 21 39 | 65 0 55 | 20 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | 100 | <50 | N | N | N | 20 | 100 |
| 83ST092 | 18 21 32 | 65 1 5 | 30 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | 50 | <50 | N | N | N | 20 | 100 |
| 83ST093 | 18 21 4 | 65 1 22 | 15 | 1.00 | 5.00 | 1.00 | 2,000 | N | N | N | 70 | <50 | N | N | N | 20 | 50 |
| 83ST094 | 18 20 45 | 65 1 22 | 30 | 2.00 | 3.00 | 1.00 | 2,000 | N | N | N | 70 | <50 | N | N | N | 30 | 150 |
| 83ST095S | 18 21 15 | 65 0 10 | 20 | 2.00 | 7.00 | 1.50 | 1,500 | N | N | N | 70 | 70 | N | N | N | 20 | 50 |
| 83ST096 | 18 21 28 | 65 1 55 | 30 | 1.50 | 3.00 | 2.00 | 1,500 | N | N | N | 50 | 50 | N | N | N | 70 | 150 |
| 83ST097 | 18 20 44 | 64 56 55 | 50 | 1.00 | 3.00 | 2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 30 | 500 |
| 83ST098 | 18 20 49 | 64 57 8 | 30 | 2.00 | 5.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 50 | 200 |
| 83ST099 | 18 20 58 | 64 57 46 | 30 | 1.50 | 3.00 | >2.00 | 2,000 | N | N | N | <20 | 50 | N | N | N | 30 | 500 |
| 83ST102S | 18 18 28 | 64 50 0 | 50 | 3.00 | 5.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 50 | 1,500 |
| 83ST103S | 18 18 57 | 64 49 55 | 30 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | 20 | <50 | N | N | N | 30 | 300 |
| 83ST104S | 18 21 33 | 64 50 21 | 30 | 1.00 | 3.00 | .70 | 700 | N | N | N | 500 | 700 | 2 | N | N | 150 | 150 |
| 83ST105S | 18 21 44 | 64 49 32 | 30 | 1.50 | 5.00 | 1.00 | 2,000 | N | N | N | 50 | 100 | N | N | N | 100 | 5,000 |
| 83ST106S | 18 21 43 | 64 49 42 | 50 | 1.50 | 2.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 200 |
| 83ST108S | 18 21 50 | 64 52 12 | 20 | 2.00 | 3.00 | 2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 150 | 5,000 |
| 83ST109S | 18 21 34 | 64 51 46 | 30 | 1.50 | 3.00 | 1.00 | 1,500 | N | N | N | 200 | 500 | N | N | N | 200 | 100 |
| 83ST110S | 18 20 48 | 64 51 45 | 50 | .70 | 5.00 | 1.00 | 1,500 | N | N | N | 700 | 150 | <2 | N | N | 150 | 1,500 |
| 83ST111S | 18 19 52 | 64 50 47 | 20 | 1.00 | 3.00 | >2.00 | 2,000 | <1.0 | N | N | <20 | 700 | N | 70 | N | 100 | N |
| 84SJ001 | 18 20 27 | 64 47 22 | 20 | .70 | 10.00 | >2.00 | 1,500 | N | N | N | 20 | <50 | N | N | N | 50 | 2,000 |
| 84SJ002 | 18 20 29 | 64 47 6 | 30 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | <20 | N | N | N | N | 50 | 1,500 |
| 84SJ003 | 18 20 49 | 64 46 51 | 50 | .70 | 3.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 500 |
| 84SJ004 | 18 20 53 | 64 46 36 | 30 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 70 | 3,000 |
| 84SJ005 | 18 21 8 | 64 46 30 | 30 | 1.50 | 7.00 | >2.00 | 2,000 | N | N | N | <20 | <50 | N | N | N | 50 | 2,000 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST068 | 150 | N | N | N | 30 | 50 | N | 50 | N | <200 | 1,000 | N | 50 | 500 | 70 | N |
| 83ST069 | 100 | N | N | N | 20 | 50 | N | 50 | N | 700 | 1,000 | N | 50 | 500 | 300 | N |
| 83ST070 | 100 | <50 | N | N | 20 | 70 | N | 50 | 70 | 200 | 1,000 | N | 50 | 1,500 | 100 | N |
| 83ST071 | 150 | <50 | N | N | 50 | 70 | N | 70 | 300 | 700 | 1,000 | N | 50 | <500 | 100 | N |
| 83ST072 | 200 | N | N | N | 50 | 70 | N | 20 | 70 | N | 2,000 | N | 50 | 700 | 70 | N |
| 83ST073 | 300 | N | N | N | 70 | 30 | N | 50 | N | <200 | 1,500 | N | 50 | 1,000 | 70 | N |
| 83ST074 | 150 | N | N | N | 50 | 500 | N | 70 | N | 700 | 1,000 | N | 50 | 1,500 | 100 | N |
| 83ST075 | 70 | N | N | N | 30 | 50 | N | 70 | 300 | 1,000 | 700 | N | 50 | N | 50 | N |
| 83ST076 | 200 | N | N | N | 20 | 50 | N | 70 | N | 300 | 2,000 | N | 50 | <500 | 70 | N |
| 83ST077 | 200 | N | N | N | 30 | 50 | N | 50 | N | 300 | 1,500 | N | 50 | <500 | 70 | N |
| 83ST078 | 150 | N | N | N | 30 | 300 | N | 30 | 70 | 200 | 2,000 | N | 50 | 700 | 70 | N |
| 83ST079 | 200 | N | N | N | 20 | 70 | N | 50 | N | <200 | 2,000 | N | 50 | <500 | 50 | N |
| 83ST080 | 200 | N | N | N | 70 | 300 | N | 50 | <20 | 300 | 2,000 | N | 30 | 700 | 70 | N |
| 83ST081 | 150 | <50 | N | N | 10 | 20 | N | 50 | N | 500 | 2,000 | N | 50 | N | 70 | N |
| 83ST082 | 200 | N | N | N | 20 | 20 | N | 70 | N | 500 | 2,000 | N | 50 | N | 70 | N |
| 83ST083 | 100 | N | N | N | 15 | 20 | N | 30 | 150 | 1,000 | 1,000 | N | 50 | N | 70 | N |
| 83ST085 | 200 | N | N | N | 70 | 100 | N | 50 | 50 | 300 | 1,000 | N | 30 | 700 | 50 | N |
| 83ST086 | 150 | N | N | N | 50 | 150 | N | 50 | 500 | 700 | 1,500 | N | 50 | 700 | 100 | N |
| 83ST087 | 200 | <50 | N | N | 20 | 30 | N | 50 | N | 700 | 1,500 | N | 50 | N | 100 | N |
| 83ST088 | 200 | N | N | N | 50 | 300 | N | 30 | 70 | N | 2,000 | N | 30 | 700 | 70 | N |
| 83ST089 | 200 | N | N | N | 70 | 100 | N | 30 | 500 | 300 | 1,500 | N | <20 | 1,000 | 50 | N |
| 83ST090 | 200 | N | N | N | 50 | 50 | N | 30 | N | N | 3,000 | N | 20 | 1,000 | 70 | N |
| 83ST091 | 200 | N | N | N | 20 | <20 | N | 50 | N | N | 2,000 | N | 30 | N | 50 | N |
| 83ST092 | 200 | N | N | N | 30 | 20 | N | 30 | N | N | 1,000 | N | 30 | N | 50 | N |
| 83ST093 | 150 | N | N | N | 20 | <20 | N | 20 | N | 200 | 1,000 | N | 20 | N | 50 | N |
| 83ST094 | 200 | N | N | N | 30 | 150 | N | 30 | 100 | <200 | 1,000 | N | 20 | 700 | 50 | N |
| 83ST095S | 150 | N | N | N | 20 | N | N | 30 | N | N | 1,000 | N | 20 | N | 50 | N |
| 83ST096 | 150 | N | N | N | 70 | 50 | N | 20 | N | N | 1,500 | N | <20 | 700 | 30 | N |
| 83ST097 | 150 | N | N | N | 50 | 100 | N | 20 | 300 | N | 2,000 | N | 20 | 500 | 30 | N |
| 83ST098 | 200 | N | N | N | 50 | 100 | N | 50 | N | 500 | 2,000 | N | 30 | 500 | 50 | N |
| 83ST099 | 200 | N | N | N | 70 | 200 | N | 30 | 100 | 500 | 1,500 | N | 20 | 500 | 50 | N |
| 83ST102S | 150 | N | N | N | 70 | 20 | N | 70 | N | N | 2,000 | N | <20 | 500 | 20 | N |
| 83ST103S | 150 | N | N | N | 70 | 200 | N | 20 | 700 | 500 | 1,500 | N | 30 | N | 70 | N |
| 83ST104S | 2,000 | N | N | N | 200 | 70 | N | 10 | N | N | 700 | N | <20 | N | 20 | N |
| 83ST105S | 1,000 | N | 100 | N | 100 | 70 | N | 15 | N | 700 | 1,000 | N | <20 | 500 | 100 | N |
| 83ST106S | 200 | N | N | N | 20 | N | N | 10 | N | N | 1,500 | N | N | N | <20 | N |
| 83ST108S | 300 | N | N | N | 100 | 20 | N | 50 | N | 300 | 700 | N | <20 | N | 50 | N |
| 83ST109S | 1,500 | <50 | <10 | N | 200 | 100 | N | 15 | N | 200 | 1,500 | N | 20 | N | 50 | N |
| 83ST110S | 1,000 | N | N | N | 150 | 70 | N | 10 | N | N | 700 | N | 20 | <500 | 30 | N |
| 83ST111S | 1,000 | <50 | N | N | 20 | 30 | N | 30 | N | N | 1,500 | N | 30 | <500 | 50 | N |
| 84SJ001 | 200 | <50 | N | N | 50 | 50 | N | 70 | N | 1,000 | 1,500 | N | 50 | N | 200 | N |
| 84SJ002 | 150 | <50 | N | N | 50 | 50 | N | 70 | N | 700 | 2,000 | N | 50 | N | 70 | N |
| 84SJ003 | 500 | <50 | N | N | 200 | 150 | N | 30 | 500 | <200 | 1,500 | N | 30 | <500 | 70 | N |
| 84SJ004 | 200 | N | N | N | 70 | 200 | N | 70 | 300 | 700 | 1,500 | N | 50 | 700 | 100 | N |
| 84SJ005 | 200 | <50 | N | N | 50 | 30 | N | 70 | N | 700 | 2,000 | N | 70 | N | 200 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ006 | 18 21 12 | 64 46 5 | 30 | 1.00 | 5.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 50 | 2,000 |
| 84SJ007 | 18 21 12 | 64 45 49 | 30 | 2.00 | 7.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,500 |
| 84SJ008 | 18 21 12 | 64 45 21 | 50 | 1.50 | 5.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 50 | 2,000 |
| 84SJ009 | 18 21 16 | 64 45 9 | 20 | 3.00 | 7.00 | 2.00 | 3,000 | N | N | N | N | 100 | N | N | N | 70 | 150 |
| 84SJ010 | 18 21 57 | 64 44 29 | 30 | 5.00 | 5.00 | 1.50 | 3,000 | N | N | N | N | 100 | N | N | N | 150 | 1,000 |
| 84SJ011 | 18 21 57 | 64 44 17 | 50 | 2.00 | 3.00 | >2.00 | 5,000 | N | N | N | N | 300 | N | N | N | 150 | 3,000 |
| 84SJ012 | 18 21 54 | 64 43 40 | >50 | 1.50 | 2.00 | >2.00 | 1,500 | N | N | N | N | N | N | N | N | 150 | 1,500 |
| 84SJ013 | 18 21 38 | 64 44 6 | 50 | 3.00 | 7.00 | 2.00 | 2,000 | N | N | N | N | 150 | N | N | N | 150 | 7,000 |
| 84SJ014 | 18 21 28 | 64 44 22 | 50 | 2.00 | 3.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 5,000 |
| 84SJ015 | 18 21 50 | 64 43 6 | 30 | 3.00 | 5.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 7,000 |
| 84SJ016 | 18 21 27 | 64 43 42 | 15 | 5.00 | 7.00 | 1.00 | 2,000 | N | N | N | N | 200 | N | N | N | 100 | 100 |
| 84SJ017 | 18 21 15 | 64 43 2 | 50 | .50 | .70 | 2.00 | 3,000 | N | N | N | N | N | N | N | N | 100 | 100 |
| 84SJ018 | 18 21 7 | 64 42 48 | 30 | 3.00 | 3.00 | 1.50 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 100 |
| 84SJ019 | 18 21 20 | 64 42 22 | 50 | 2.00 | 3.00 | >2.00 | 10,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SJ020 | 18 21 30 | 64 42 4 | >50 | 1.00 | 2.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 100 | 2,000 |
| 84SJ021 | 18 21 4 | 64 43 24 | 20 | 3.00 | 7.00 | 1.00 | 2,000 | N | N | N | <20 | 50 | N | N | N | 70 | 200 |
| 84SJ022 | 18 20 57 | 64 43 29 | 20 | 3.00 | 7.00 | >2.00 | 2,000 | N | N | N | <20 | 150 | N | N | N | 70 | 300 |
| 84SJ023 | 18 20 55 | 64 43 27 | 20 | 1.50 | 5.00 | >2.00 | 2,000 | N | N | N | N | 150 | N | N | N | 50 | 700 |
| 84SJ024 | 18 20 32 | 64 42 55 | 50 | 1.00 | 3.00 | 1.00 | 1,500 | N | N | N | N | 70 | N | N | N | 70 | 700 |
| 84SJ025 | 18 20 42 | 64 43 5 | 20 | 2.00 | 5.00 | 2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 50 | 1,000 |
| 84SJ026 | 18 21 29 | 64 41 45 | 30 | 3.00 | 3.00 | 1.50 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 2,000 |
| 84SJ027 | 18 21 33 | 64 41 27 | >50 | .20 | <.10 | 1.50 | 1,500 | N | N | N | N | N | N | N | N | 100 | 5,000 |
| 84SJ028 | 18 21 9 | 64 40 59 | 50 | 1.00 | 2.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 70 |
| 84SJ029 | 18 20 20 | 64 40 23 | >50 | .70 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 2,000 |
| 84SJ030 | 18 20 33 | 64 40 26 | 30 | 2.00 | 3.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 300 |
| 84SJ031 | 18 20 43 | 64 40 27 | 50 | .70 | 1.00 | 1.50 | 1,500 | N | N | N | N | <50 | N | N | N | 70 | 500 |
| 84SJ032 | 18 20 17 | 64 42 49 | 50 | 1.50 | 2.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 70 | 2,000 |
| 84SJ033 | 18 20 3 | 64 42 31 | 50 | 1.50 | 3.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SJ034 | 18 19 44 | 64 42 14 | 30 | 1.50 | 3.00 | 2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 100 | 700 |
| 84SJ035 | 18 19 19 | 64 42 5 | 50 | .70 | 2.00 | >2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SJ036 | 18 19 10 | 64 42 23 | 30 | 1.00 | 3.00 | 1.00 | 1,500 | N | N | N | N | N | N | N | N | 200 | 300 |
| 84SJ037 | 18 19 3 | 64 42 45 | 30 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 5,000 |
| 84SJ038 | 18 19 15 | 64 43 9 | 30 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | <20 | <50 | N | N | N | 150 | 500 |
| 84SJ039 | 18 19 46 | 64 43 4 | 10 | 1.00 | 15.00 | 1.00 | 2,000 | N | N | N | 100 | N | N | N | N | 20 | 2,000 |
| 84SJ040 | 18 19 50 | 64 43 5 | 50 | 1.50 | 5.00 | >2.00 | 2,000 | N | N | N | N | 200 | <2 | N | N | 70 | 700 |
| 84SJ041 | 18 19 49 | 64 43 11 | 20 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 30 | 1,500 |
| 84SJ042 | 18 19 39 | 64 43 20 | 50 | .70 | 3.00 | >2.00 | 2,000 | N | N | N | N | <50 | 2 | N | N | 20 | 500 |
| 84SJ043 | 18 19 32 | 64 43 18 | 30 | .70 | 5.00 | >2.00 | 2,000 | N | N | N | 20 | 50 | N | N | N | 50 | 7,000 |
| 84SJ044 | 18 19 24 | 64 44 4 | 15 | 1.00 | 7.00 | >2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 30 | 1,000 |
| 84SJ045 | 18 19 24 | 64 43 50 | 15 | 1.50 | 5.00 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 20 | 100 |
| 84SJ046 | 18 19 26 | 64 43 44 | 50 | 1.00 | 3.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 50 | 200 |
| 84SJ048 | 18 19 39 | 64 45 57 | 30 | 1.00 | 3.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 30 | 500 |
| 84SJ049 | 18 19 44 | 64 45 48 | 30 | 1.50 | 7.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 2,000 |
| 84SJ050 | 18 19 35 | 64 45 30 | 30 | 1.00 | 7.00 | >2.00 | 3,000 | N | N | N | N | 70 | N | N | N | 50 | 5,000 |
| 84SJ051 | 18 19 29 | 64 45 27 | 20 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 50 | 500 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ006 | 200 | <50 | N | N | 30 | 20 | N | 50 | N | 500 | 2,000 | N | 50 | N | 30 | N |
| 84SJ007 | 300 | <50 | N | N | 30 | 20 | N | 70 | N | 500 | 2,000 | N | 70 | N | 70 | N |
| 84SJ008 | 150 | N | N | N | 30 | 20 | N | 70 | N | 300 | 2,000 | N | 70 | N | 50 | N |
| 84SJ009 | 200 | N | N | N | 30 | 50 | N | 100 | N | 500 | 1,500 | N | 70 | N | 70 | N |
| 84SJ010 | 300 | N | N | N | 100 | 70 | N | 70 | 300 | N | 1,500 | N | 50 | 1,000 | 20 | N |
| 84SJ011 | 300 | <50 | N | N | 70 | 100 | N | 70 | 100 | N | 2,000 | N | 50 | N | 30 | N |
| 84SJ012 | 100 | N | N | N | 70 | 30 | N | 50 | N | N | 5,000 | N | 50 | N | 70 | N |
| 84SJ013 | 300 | N | N | N | 70 | 300 | N | 50 | N | 200 | 2,000 | N | 50 | 700 | 70 | N |
| 84SJ014 | 200 | N | N | N | 70 | 150 | N | 50 | N | N | 3,000 | N | 70 | 500 | 100 | N |
| 84SJ015 | 300 | <50 | N | N | 200 | 30 | N | 70 | N | N | 2,000 | N | 70 | N | 70 | N |
| 84SJ016 | 200 | N | N | N | 30 | 30 | N | 100 | N | 300 | 1,000 | N | 30 | N | 50 | N |
| 84SJ017 | 70 | N | N | N | 30 | 30 | N | 20 | N | N | 5,000 | N | 30 | 1,000 | 100 | N |
| 84SJ018 | 150 | N | N | N | 30 | 20 | N | 70 | N | N | 5,000 | N | 50 | N | 50 | N |
| 84SJ019 | 200 | <50 | N | N | 50 | 20 | N | 200 | N | N | 700 | N | 70 | N | 100 | N |
| 84SJ020 | 150 | N | N | N | 50 | 70 | N | 50 | N | N | 1,500 | N | 100 | 700 | 300 | N |
| 84SJ021 | 100 | N | N | N | 50 | 30 | N | 100 | N | 300 | 1,500 | N | 50 | N | 70 | N |
| 84SJ022 | 200 | <50 | N | N | 70 | 50 | N | 50 | N | 300 | 1,500 | N | 70 | N | 100 | N |
| 84SJ023 | 200 | N | N | N | 20 | 50 | N | 50 | N | <200 | 2,000 | N | 50 | N | 70 | N |
| 84SJ024 | 500 | N | N | N | 200 | 700 | N | 15 | 1,500 | 200 | 500 | N | 20 | 3,000 | 20 | N |
| 84SJ025 | 200 | N | N | N | 70 | 50 | N | 70 | N | 200 | 1,000 | N | 50 | N | 70 | N |
| 84SJ026 | 70 | N | N | N | 50 | 150 | N | 50 | N | N | 2,000 | N | 70 | 500 | 70 | N |
| 84SJ027 | 70 | N | N | N | 70 | 30 | N | 15 | N | N | 7,000 | N | 30 | 1,000 | 30 | N |
| 84SJ028 | 150 | N | N | N | 20 | 70 | N | 30 | N | N | 1,500 | N | 70 | N | 70 | N |
| 84SJ029 | 200 | N | N | N | 50 | 30 | N | 15 | N | N | 2,000 | N | 50 | N | 70 | N |
| 84SJ030 | 200 | N | N | N | 30 | 50 | N | 50 | N | <200 | 2,000 | N | 50 | N | 70 | N |
| 84SJ031 | 150 | N | N | N | 70 | 30 | N | 20 | N | N | 2,000 | N | 50 | N | 70 | N |
| 84SJ032 | 200 | N | N | N | 70 | 150 | N | 30 | 500 | <200 | 1,500 | N | 70 | 700 | 70 | N |
| 84SJ033 | 500 | <50 | N | N | 70 | 50 | N | 30 | N | N | 2,000 | N | 70 | 700 | 70 | N |
| 84SJ034 | 200 | N | N | N | 70 | 70 | N | 50 | 70 | 300 | 1,000 | N | 70 | <500 | 70 | N |
| 84SJ035 | 500 | N | N | N | 70 | 70 | N | 15 | N | N | 3,000 | N | 50 | 1,000 | 70 | N |
| 84SJ036 | 500 | N | N | N | 100 | 300 | N | 20 | 700 | N | 1,000 | N | 30 | 1,500 | 20 | N |
| 84SJ037 | 150 | <50 | N | N | 100 | 70 | N | 50 | 200 | 300 | 1,500 | N | 70 | N | 70 | N |
| 84SJ038 | 300 | <50 | N | N | 50 | 50 | N | 30 | N | 300 | 1,500 | N | 70 | N | 100 | N |
| 84SJ039 | 70 | <50 | N | N | 50 | 30 | N | 30 | 70 | 1,500 | 1,000 | N | 50 | N | 50 | N |
| 84SJ040 | 150 | N | N | N | 50 | 70 | N | 70 | N | 500 | 1,500 | N | 70 | N | 70 | N |
| 84SJ041 | 100 | <50 | N | N | 30 | 70 | N | 50 | 150 | 700 | 1,000 | N | 70 | N | 70 | N |
| 84SJ042 | 150 | N | N | N | 20 | 70 | N | 50 | N | N | 1,000 | N | 70 | 700 | 100 | N |
| 84SJ043 | 150 | N | N | N | 50 | 70 | N | 30 | N | 300 | 1,000 | N | 70 | <500 | 70 | N |
| 84SJ044 | 100 | <50 | N | N | 50 | 50 | N | 30 | N | 70 | 1,000 | N | 50 | N | 50 | N |
| 84SJ045 | 150 | N | N | N | 20 | 30 | N | 20 | 30 | 300 | 1,500 | N | 50 | N | 70 | N |
| 84SJ046 | 200 | N | N | N | 70 | 70 | N | 20 | 300 | 200 | 1,000 | N | 50 | 2,000 | 30 | N |
| 84SJ048 | 150 | N | N | N | 50 | 30 | N | 20 | 50 | <200 | 3,000 | N | 50 | 500 | 70 | N |
| 84SJ049 | 300 | N | N | N | 50 | 50 | N | 50 | N | 700 | 2,000 | N | 70 | 500 | 70 | N |
| 84SJ050 | 200 | N | N | N | 50 | 50 | N | 50 | N | 300 | 3,000 | N | 50 | 500 | 100 | N |
| 84SJ051 | 300 | N | N | N | 30 | 150 | N | 50 | N | 500 | 1,500 | N | 70 | N | 70 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ053 | 18 20 27 | 64 45 32 | 30 | 2.00 | 10.00 | 2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 70 | 1,500 |
| 84SJ054 | 18 20 29 | 64 45 34 | 50 | 1.50 | 5.00 | >2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 100 | 2,000 |
| 84SJ055 | 18 20 19 | 64 45 36 | 30 | 2.00 | 10.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 30 | 200 |
| 84SJ056 | 18 20 21 | 64 45 41 | 30 | 1.50 | 7.00 | >2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 30 | 1,000 |
| 84SJ057 | 18 20 7 | 64 45 42 | 50 | 1.50 | 7.00 | >2.00 | 7,000 | N | N | N | N | <50 | N | N | N | 20 | 200 |
| 84SJ058 | 18 20 4 | 64 45 51 | 50 | 2.00 | 7.00 | >2.00 | 7,000 | N | N | N | N | 100 | N | N | N | 50 | 700 |
| 84SJ059 | 18 19 22 | 64 46 48 | >50 | 2.00 | 7.00 | >2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 20 | 700 |
| 84SJ070 | 18 20 39 | 64 46 18 | 50 | 1.50 | 10.00 | 2.00 | 5,000 | N | N | N | N | 70 | N | N | N | 50 | 1,500 |
| 84SJ071 | 18 20 32 | 64 46 7 | 30 | 2.00 | 15.00 | 2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 30 | 300 |
| 84SJ072 | 18 20 43 | 64 45 40 | >50 | 2.00 | 10.00 | 2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 30 | 3,000 |
| 84SJ073 | 18 20 20 | 64 46 22 | >50 | 5.00 | 10.00 | 2.00 | 7,000 | N | N | N | N | 70 | N | N | N | 30 | 700 |
| 84SJ074 | 18 20 9 | 64 46 13 | >50 | 1.00 | 5.00 | >2.00 | 1,500 | N | N | N | N | 150 | N | N | N | 20 | 2,000 |
| 84SJ075 | 18 20 5 | 64 46 16 | 20 | 3.00 | 7.00 | 2.00 | 2,000 | N | N | N | 20 | 200 | N | N | N | 50 | 200 |
| 84SJ076 | 18 20 4 | 64 46 37 | 30 | 1.00 | 5.00 | >2.00 | 2,000 | N | N | N | <20 | 50 | N | N | N | 30 | 700 |
| 84SJ077 | 18 20 7 | 64 46 36 | 30 | 1.50 | 10.00 | 2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 30 | 2,000 |
| 84SJ078 | 18 19 47 | 64 46 40 | 30 | 1.50 | 5.00 | >2.00 | 2,000 | N | N | N | 20 | <50 | N | N | N | 20 | 500 |
| 84SJ079 | 18 20 10 | 64 47 27 | 20 | 1.00 | 15.00 | 1.50 | 1,500 | N | N | N | 20 | N | N | N | N | 70 | 10,000 |
| 84SJ081 | 18 20 50 | 64 44 31 | 50 | 1.50 | 2.00 | >2.00 | 5,000 | N | N | N | N | 50 | N | N | N | 70 | 2,000 |
| 84SJ082 | 18 20 51 | 64 44 32 | 50 | 2.00 | 3.00 | >2.00 | 3,000 | 300.0 | N | N | N | <50 | N | N | N | 100 | 7,000 |
| 84SJ083 | 18 20 31 | 64 44 27 | 30 | 2.00 | 5.00 | >2.00 | 5,000 | N | N | N | N | 50 | N | N | N | 50 | 1,000 |
| 84SJ084 | 18 20 28 | 64 44 30 | 30 | 1.50 | 7.00 | 2.00 | 1,500 | N | N | N | N | N | N | N | N | 50 | 7,000 |
| 84SJ085 | 18 20 14 | 64 44 23 | 50 | 1.50 | 3.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 1,000 |
| 84SJ086 | 18 19 58 | 64 44 23 | 50 | 2.00 | 7.00 | >2.00 | 3,000 | N | N | N | N | 300 | N | N | N | 70 | 300 |
| 84SJ087 | 18 19 44 | 64 44 27 | 50 | 1.00 | 5.00 | 2.00 | 1,500 | N | N | N | <20 | <50 | N | N | N | 50 | 1,000 |
| 84SJ088 | 18 21 17 | 64 47 36 | 50 | 1.50 | 7.00 | 2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 2,000 |
| 84SJ089 | 18 21 28 | 64 47 24 | 50 | 1.00 | 10.00 | 2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 70 | 500 |
| 84SJ090 | 18 21 45 | 64 48 31 | 50 | 1.00 | 1.50 | .70 | 2,000 | N | N | N | N | 300 | N | N | N | 20 | 50 |
| 84SJ091 | 18 21 38 | 64 49 0 | 50 | 1.50 | 2.00 | 2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 150 | 300 |
| 84SJ092 | 18 21 41 | 64 49 16 | >50 | .70 | 1.00 | .15 | 2,000 | N | N | N | N | 200 | N | N | N | 150 | 200 |
| 84SJ093 | 18 21 43 | 64 49 31 | 50 | 2.00 | 5.00 | 1.50 | 2,000 | N | N | N | N | 100 | N | N | N | 150 | 100 |
| 84SJ094 | 18 22 9 | 64 48 25 | 50 | .70 | 2.00 | .50 | 1,000 | 1.5 | N | N | <20 | 200 | <2 | N | N | 150 | 100 |
| 84SJ095 | 18 21 55 | 64 48 12 | 50 | .70 | 1.00 | .30 | 1,500 | N | N | N | N | 200 | N | N | N | 150 | 100 |
| 84SJ096 | 18 22 18 | 64 45 26 | 50 | 2.00 | 7.00 | 2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 150 | 500 |
| 84SJ097 | 18 22 13 | 64 44 55 | 20 | 1.50 | 5.00 | 1.00 | 2,000 | N | N | N | <20 | 150 | N | N | N | 150 | 300 |
| 84SJ098 | 18 22 21 | 64 44 20 | 30 | 2.00 | 5.00 | 1.50 | 3,000 | N | N | N | N | N | N | N | N | 30 | 100 |
| 84SJ099 | 18 22 3 | 64 43 5 | 50 | 1.00 | 1.50 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 2,000 |
| 84SJ100 | 18 21 44 | 64 42 32 | 30 | 2.00 | 5.00 | 2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 70 | 1,500 |
| 84SJ101 | 18 20 58 | 64 41 11 | 50 | 1.50 | 2.00 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 5,000 |
| 84SJ102 | 18 20 49 | 64 41 27 | 50 | 1.50 | 2.00 | 1.50 | 2,000 | N | N | N | N | N | N | N | N | 200 | 5,000 |
| 84SJ103 | 18 20 18 | 64 40 6 | 20 | 2.00 | 5.00 | 1.50 | 2,000 | N | N | N | N | 70 | N | N | N | 150 | 700 |
| 84SJ104 | 18 20 44 | 64 40 10 | 30 | 1.50 | 2.00 | 1.50 | 2,000 | N | N | N | N | 50 | N | N | N | 70 | 300 |
| 84SJ105 | 18 21 48 | 64 41 43 | 20 | 3.00 | 5.00 | 1.50 | 2,000 | N | N | N | 100 | N | N | N | N | 50 | 300 |
| 84SJ106 | 18 18 59 | 64 43 15 | 20 | 1.50 | 7.00 | 1.50 | 1,500 | N | N | N | 70 | <50 | N | N | N | 30 | >10,000 |
| 84SJ107 | 18 18 40 | 64 42 36 | 20 | 1.50 | 10.00 | >2.00 | 3,000 | N | N | N | 20 | <50 | N | N | N | 20 | 500 |
| 84SJ108 | 18 18 22 | 64 42 13 | 10 | 1.50 | 10.00 | .70 | 2,000 | N | N | N | N | N | N | N | N | 20 | 700 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ053 | 300 | <50 | N | N | 200 | 30 | N | 70 | N | 1,000 | 1,500 | N | 70 | N | 50 | N |
| 84SJ054 | 300 | N | N | N | 70 | 70 | N | 50 | 20 | 200 | 3,000 | N | 50 | 1,000 | 70 | N |
| 84SJ055 | 300 | N | N | N | 50 | 30 | N | 50 | N | 700 | 2,000 | N | 50 | N | 50 | N |
| 84SJ056 | 200 | <50 | N | N | 30 | <20 | N | 50 | N | 300 | 5,000 | N | 50 | <500 | 70 | N |
| 84SJ057 | 300 | N | N | N | 20 | 20 | N | 30 | N | <200 | 5,000 | N | 50 | <500 | 70 | N |
| 84SJ058 | 500 | N | N | N | 30 | 30 | N | 30 | N | N | 7,000 | N | 50 | N | 70 | N |
| 84SJ059 | 500 | N | N | N | 50 | 1,000 | N | 50 | 50 | N | 5,000 | N | 50 | N | 30 | N |
| 84SJ070 | 300 | N | N | N | 30 | 30 | N | 50 | N | 700 | 3,000 | N | 30 | 500 | 70 | N |
| 84SJ071 | 300 | N | N | N | 20 | 20 | N | 70 | N | 700 | 3,000 | N | 50 | N | 30 | N |
| 84SJ072 | 500 | N | N | N | 30 | 70 | N | 50 | 20 | 500 | 5,000 | N | 30 | 500 | 70 | N |
| 84SJ073 | 500 | N | N | N | 70 | 1,500 | N | 30 | 200 | 200 | 3,000 | N | 20 | 700 | 50 | N |
| 84SJ074 | 70 | N | N | N | 30 | 50 | N | 70 | 200 | 300 | 1,000 | N | 100 | N | 100 | N |
| 84SJ075 | 300 | <50 | N | N | 50 | 50 | N | 70 | N | 500 | 1,500 | N | 50 | N | 100 | N |
| 84SJ076 | 200 | N | N | N | 70 | 70 | N | 30 | N | 300 | 2,000 | N | 50 | 500 | 100 | N |
| 84SJ077 | 200 | <50 | N | N | 50 | 100 | N | 70 | 100 | 1,000 | 1,500 | N | 50 | <500 | 70 | N |
| 84SJ078 | 200 | N | N | N | 50 | 1,500 | N | 50 | 30 | 500 | 1,500 | N | 50 | N | 50 | N |
| 84SJ079 | 150 | <50 | N | N | 70 | 50 | N | 100 | N | 1,500 | 1,000 | N | 50 | 500 | 70 | N |
| 84SJ081 | 200 | N | N | N | 30 | 30 | N | 20 | N | N | 2,000 | N | 50 | N | 70 | N |
| 84SJ082 | 300 | N | N | N | 70 | 1,000 | N | 50 | N | <200 | 1,500 | N | 70 | 500 | 70 | N |
| 84SJ083 | 300 | N | N | N | 30 | 30 | N | 30 | N | <200 | 1,500 | N | 50 | N | 70 | N |
| 84SJ084 | 200 | N | N | N | 30 | 30 | N | 70 | N | 500 | 1,500 | N | 70 | <500 | 50 | N |
| 84SJ085 | 300 | N | N | N | 50 | 30 | N | 30 | N | N | 2,000 | N | 50 | 700 | 70 | N |
| 84SJ086 | 300 | N | N | N | 70 | 70 | N | 50 | N | 300 | 2,000 | N | 70 | 700 | 70 | N |
| 84SJ087 | 200 | N | N | N | 20 | 30 | N | 20 | N | 500 | 1,000 | N | 50 | N | 70 | N |
| 84SJ088 | 200 | N | N | N | 70 | 50 | N | 70 | N | 700 | 2,000 | N | 70 | N | 70 | N |
| 84SJ089 | 150 | N | N | N | 30 | 50 | N | 150 | N | 1,000 | 2,000 | N | 100 | N | 70 | N |
| 84SJ090 | 1,000 | N | N | N | 150 | 70 | N | 20 | N | N | 1,500 | N | 50 | N | 30 | N |
| 84SJ091 | 300 | N | N | N | 70 | 20 | N | 15 | N | N | 5,000 | N | 20 | <500 | 50 | N |
| 84SJ092 | 300 | N | N | N | 200 | 1,500 | N | <10 | >2,000 | N | 500 | N | N | 3,000 | N | N |
| 84SJ093 | 1,000 | N | N | N | 150 | 70 | N | 30 | 100 | 700 | 1,500 | N | 30 | N | 50 | N |
| 84SJ094 | 1,000 | N | N | N | 150 | 200 | N | <10 | N | N | 700 | N | 30 | N | 30 | N |
| 84SJ095 | 1,000 | N | N | N | 100 | 100 | N | <10 | 50 | N | 700 | N | 30 | 5,000 | 30 | N |
| 84SJ096 | 1,000 | N | N | N | 70 | <20 | N | 70 | N | 300 | 1,500 | N | 50 | N | 50 | N |
| 84SJ097 | 300 | N | N | N | 70 | 50 | N | 50 | N | <200 | 1,000 | N | 50 | N | 70 | N |
| 84SJ098 | 50 | N | N | N | 20 | 20 | N | 50 | N | N | 2,000 | N | 70 | N | 20 | N |
| 84SJ099 | 150 | N | N | N | 70 | 20 | N | 20 | N | N | 5,000 | N | 30 | N | 50 | N |
| 84SJ100 | 200 | <50 | N | N | 70 | 70 | N | 50 | 200 | <200 | 1,500 | N | 70 | <500 | 70 | N |
| 84SJ101 | 100 | N | N | N | 70 | <20 | N | 70 | N | N | 2,000 | N | 50 | N | 70 | N |
| 84SJ102 | 200 | N | N | N | 100 | 70 | N | 50 | N | N | 3,000 | N | 50 | N | 50 | N |
| 84SJ103 | 200 | N | N | N | 70 | <20 | N | 70 | N | N | 1,000 | N | 100 | N | 70 | N |
| 84SJ104 | 300 | N | N | N | 50 | <20 | N | 30 | N | 200 | 1,500 | N | 70 | N | 70 | N |
| 84SJ105 | 150 | N | N | N | 50 | 20 | N | 70 | N | N | 2,000 | N | 30 | N | 50 | N |
| 84SJ106 | 100 | <50 | N | N | 100 | 50 | N | 50 | 150 | 700 | 1,500 | N | 50 | <500 | 50 | N |
| 84SJ107 | 200 | N | N | N | 70 | 30 | N | 70 | N | 500 | 2,000 | N | 70 | N | 100 | N |
| 84SJ108 | 70 | N | N | N | 50 | <20 | N | 50 | N | <200 | 1,500 | N | 30 | N | 30 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ109 | 18 19 8 | 64 41 21 | >50 | .50 | .10 | >2.00 | 500 | N | N | N | N | N | N | N | N | 20 | 700 |
| 84SJ110 | 18 19 43 | 64 39 5 | >50 | .50 | 1.50 | >2.00 | 5,000 | N | N | N | N | N | N | N | N | 200 | 50 |
| 84SJ200 | 18 20 46 | 64 44 59 | 30 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | N | 7 | N | N | N | 100 | 1,000 |
| 84SJ201 | 18 20 47 | 64 44 56 | 20 | 1.50 | 5.00 | 2.00 | 2,000 | N | N | N | <20 | 50 | N | N | N | 30 | >10,000 |
| 84SJ202 | 18 20 40 | 64 44 52 | 20 | 1.00 | 5.00 | 1.00 | 2,000 | N | N | N | <20 | 50 | <2 | N | N | 50 | 500 |
| 84SJ203 | 18 20 35 | 64 44 59 | 30 | 1.00 | 5.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 70 | 500 |
| 84SJ205 | 18 20 22 | 64 44 48 | 30 | 1.50 | 5.00 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 50 | 500 |
| 84SJ206 | 18 20 14 | 64 44 52 | 30 | 1.50 | 5.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 50 | 200 |
| 84SJ207 | 18 19 38 | 64 44 56 | 50 | 1.00 | 7.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 20 | 1,500 |
| 84SJ601 | 18 19 43 | 64 46 23 | 50 | .30 | .70 | .10 | 1,500 | N | N | N | N | 300 | N | N | N | 100 | 200 |
| 84SJ605 | 18 19 47 | 64 45 55 | 20 | .30 | .50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 20 | 500 |
| 84SJ606 | 18 21 14 | 64 45 13 | 20 | 1.50 | 3.00 | .50 | 1,000 | N | N | N | <20 | <50 | N | N | N | 150 | 70 |
| 84SJ608 | 18 21 27 | 64 44 54 | 20 | 1.50 | 1.50 | .70 | 700 | N | N | N | N | <50 | N | N | N | 50 | 70 |
| 84SJ613 | 18 21 57 | 64 43 12 | 50 | .50 | 1.50 | .70 | 700 | N | N | N | N | 200 | N | N | N | 150 | 200 |
| 84SJ614 | 18 21 35 | 64 44 16 | 30 | .70 | 1.00 | .70 | 1,000 | N | N | N | N | 50 | N | N | N | 50 | 7,000 |
| 84SJ622 | 18 20 19 | 64 47 36 | 50 | .50 | .30 | .20 | 1,000 | N | N | N | N | N | N | N | N | 200 | 700 |
| 84SJ625 | 18 20 3 | 64 47 1 | 10 | .70 | 1.00 | .50 | 1,000 | N | N | N | N | 70 | <2 | N | N | 20 | 300 |
| 84SJ629 | 18 19 38 | 64 47 39 | 30 | .70 | 2.00 | 2.00 | 1,000 | N | N | N | N | <50 | N | N | N | 30 | 2,000 |
| 84SJ631 | 18 19 10 | 64 47 23 | 30 | .15 | <.10 | .70 | 700 | <1.0 | N | N | N | 10,000 | N | 20 | N | 20 | 200 |
| 84SJ639 | 18 20 44 | 64 45 57 | 50 | .70 | 2.00 | .30 | 2,000 | N | N | N | N | 500 | N | N | N | 100 | 500 |
| 84SJ641 | 18 19 12 | 64 45 33 | 20 | .50 | .15 | 1.00 | 700 | N | N | N | N | 200 | N | N | N | 20 | 300 |
| 84SJ646 | 18 20 18 | 64 40 29 | 30 | .30 | .20 | .70 | 700 | N | N | N | N | <50 | N | N | N | 20 | 1,000 |
| 84SJ649 | 18 21 17 | 64 41 13 | 30 | .30 | <.10 | 1.50 | 700 | N | N | N | N | N | N | N | N | 100 | 70 |
| 84SJ653 | 18 21 14 | 64 42 22 | 50 | .70 | .30 | .70 | 1,000 | N | N | N | N | <50 | N | N | N | 150 | 500 |
| 84SJ655 | 18 19 44 | 64 46 55 | 50 | .70 | 2.00 | 1.50 | 2,000 | N | N | N | N | N | N | N | N | 100 | 150 |
| 84SJ657 | 18 19 50 | 64 47 47 | 15 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 50 | 150 |
| 84SJ658 | 18 19 44 | 64 46 51 | 20 | 1.00 | 3.00 | 1.50 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 150 |
| 84SJ659 | 18 19 40 | 64 46 37 | 20 | .70 | 3.00 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 30 | 150 |
| 84SJ660 | 18 19 47 | 64 46 37 | 20 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 50 | 300 |
| 84SJ665 | 18 21 25 | 64 43 27 | 30 | 1.00 | 1.00 | 1.50 | 1,500 | N | N | N | N | <50 | N | N | N | 70 | 300 |
| 84SJ668 | 18 20 59 | 64 44 35 | 50 | .70 | .20 | .20 | 700 | N | N | N | N | N | N | N | N | 100 | 100 |
| 84SJ670 | 18 20 49 | 64 44 21 | 20 | 2.00 | <.10 | .10 | 2,000 | N | N | N | N | 300 | N | N | N | 50 | 100 |
| 84SJ673 | 18 20 29 | 64 44 2 | 50 | .30 | .10 | 1.00 | 1,500 | N | N | N | N | <50 | N | N | N | 70 | >10,000 |
| 84SJ676 | 18 20 11 | 64 43 39 | 30 | .15 | <.10 | .70 | 200 | N | N | N | N | 2,000 | N | N | N | 15 | 300 |
| 84SJ684 | 18 20 8 | 64 43 33 | 50 | .20 | .15 | 2.00 | 700 | 1.5 | <500 | N | N | 5,000 | N | 30 | N | 20 | 200 |
| 84SJ690 | 18 20 7 | 64 43 50 | 30 | .50 | .70 | 1.00 | 1,000 | N | N | N | N | 100 | N | N | N | 150 | 70 |
| 84SJ696 | 18 20 14 | 64 42 43 | 20 | .20 | .50 | .30 | 700 | N | N | N | N | <50 | N | N | N | 20 | 300 |
| 84SJ699 | 18 19 20 | 64 42 3 | 30 | .70 | .70 | 1.50 | 1,000 | N | N | N | N | 300 | N | N | N | 150 | 1,000 |
| 84SJ716 | 18 20 33 | 64 44 45 | 30 | .70 | 2.00 | .20 | 1,000 | N | N | N | <20 | <50 | N | N | N | 100 | 300 |
| 84SJ723 | 18 20 42 | 64 45 15 | 30 | .70 | 1.00 | >2.00 | 1,000 | N | N | N | N | N | N | N | N | 100 | 500 |
| 84SJ725 | 18 20 40 | 64 45 35 | 20 | .70 | 1.50 | .70 | 1,500 | N | N | N | N | <50 | N | N | N | 300 | 300 |
| 84SJ729 | 18 20 34 | 64 45 33 | 15 | 1.00 | 5.00 | 1.00 | 1,000 | N | N | N | 20 | 150 | N | N | N | 50 | 700 |
| 84SJ733 | 18 20 40 | 64 45 25 | 50 | 1.00 | 2.00 | 1.50 | 1,000 | N | N | N | N | 100 | N | N | N | 300 | 300 |
| 84SJ735 | 18 22 14 | 64 44 55 | 30 | .70 | .30 | .70 | 2,000 | N | N | N | <20 | 300 | N | N | N | 150 | 200 |
| 84SJ736 | 18 20 50 | 64 44 35 | 30 | 1.00 | 1.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ109 | 30 | N | N | N | <10 | 30 | N | 70 | N | N | 1,500 | N | 100 | N | 200 | N |
| 84SJ110 | 100 | N | N | N | 10 | 50 | N | 30 | N | N | 1,500 | N | 50 | N | 20 | N |
| 84SJ200 | 200 | N | N | N | 70 | 70 | N | 30 | 300 | 700 | 2,000 | N | 50 | N | 50 | N |
| 84SJ201 | 200 | <50 | N | N | 50 | 70 | N | 100 | N | 500 | 1,500 | N | 70 | 500 | 70 | N |
| 84SJ202 | 200 | N | N | N | 20 | 70 | N | 70 | N | 700 | 1,500 | N | 50 | N | 50 | N |
| 84SJ203 | 200 | N | N | N | 50 | 50 | N | 50 | N | 300 | 3,000 | N | 50 | N | 70 | N |
| 84SJ205 | 200 | N | N | N | 50 | 50 | N | 30 | N | 200 | 3,000 | N | 50 | N | 70 | N |
| 84SJ206 | 200 | N | N | N | 20 | 30 | N | 50 | N | 200 | 5,000 | N | 50 | N | 70 | N |
| 84SJ207 | 200 | N | N | N | 50 | 50 | N | 50 | N | 500 | 5,000 | N | 70 | <500 | 50 | N |
| 84SJ601 | 200 | N | N | N | 200 | 1,000 | N | <10 | >2,000 | N | 300 | N | N | 2,000 | N | N |
| 84SJ605 | 70 | N | N | N | 100 | 70 | N | 20 | 150 | N | 700 | N | 300 | 1,000 | 70 | N |
| 84SJ606 | 300 | N | N | N | 50 | <20 | N | 30 | N | N | 700 | N | 20 | N | <20 | N |
| 84SJ608 | 70 | N | N | N | 20 | <20 | N | 20 | N | N | 5,000 | N | N | N | 30 | N |
| 84SJ613 | 100 | N | N | N | 150 | 200 | N | <10 | 500 | 200 | 700 | N | <20 | <500 | <20 | N |
| 84SJ614 | 100 | N | N | N | 70 | <20 | N | 15 | N | N | 2,000 | N | 20 | 500 | 50 | N |
| 84SJ622 | 500 | N | N | N | 300 | 50 | N | <10 | N | N | 300 | N | N | 500 | N | N |
| 84SJ625 | 70 | N | N | N | 50 | <20 | N | 10 | N | 200 | 700 | N | 20 | N | 100 | N |
| 84SJ629 | 70 | N | N | N | 100 | <20 | N | 15 | N | N | 2,000 | N | N | 500 | N | N |
| 84SJ631 | 500 | N | 300 | N | 50 | 500 | N | 20 | N | N | 700 | N | 30 | 1,000 | 70 | N |
| 84SJ639 | 150 | N | N | N | 100 | 100 | N | 10 | N | <200 | 500 | N | N | 10,000 | N | N |
| 84SJ641 | 100 | N | 70 | N | 20 | 50 | N | 10 | N | N | 700 | N | 50 | 700 | 70 | N |
| 84SJ646 | 30 | N | N | N | 20 | 70 | N | 15 | 150 | N | 700 | N | 50 | 700 | 50 | N |
| 84SJ649 | 70 | N | N | N | 20 | N | N | 50 | N | N | 1,000 | N | 150 | 500 | 70 | N |
| 84SJ653 | 70 | N | N | N | 70 | N | N | 15 | N | N | 3,000 | N | N | <500 | 20 | N |
| 84SJ655 | 70 | N | N | N | 50 | N | N | 15 | N | N | 1,500 | N | N | 1,000 | <20 | N |
| 84SJ657 | 100 | N | N | N | 70 | 100 | N | 20 | 100 | N | 1,500 | N | 30 | 700 | 70 | N |
| 84SJ658 | 150 | N | N | N | 50 | <20 | N | 20 | 100 | N | 1,000 | N | <20 | 700 | N | N |
| 84SJ659 | 100 | N | N | N | 70 | N | N | 15 | N | N | 3,000 | N | 20 | 700 | 50 | N |
| 84SJ660 | 150 | N | N | N | 100 | 500 | N | 15 | 100 | N | 1,000 | N | <20 | 1,500 | 100 | N |
| 84SJ665 | 100 | N | N | N | 15 | N | N | 50 | N | N | 1,000 | N | 20 | <500 | 70 | N |
| 84SJ668 | 500 | N | N | N | 100 | N | N | 15 | N | N | 500 | N | <20 | <500 | N | N |
| 84SJ670 | 70 | N | N | N | 15 | N | N | 15 | N | N | 300 | N | <20 | <500 | N | N |
| 84SJ673 | 200 | N | N | N | 150 | 70 | N | 10 | 150 | N | 700 | N | 20 | 3,000 | N | N |
| 84SJ676 | 700 | N | 70 | N | 20 | 300 | N | 15 | N | N | 700 | N | N | 700 | 50 | N |
| 84SJ684 | 1,500 | N | 150 | N | 50 | 200 | <200 | 10 | N | N | 700 | N | 20 | 700 | 50 | N |
| 84SJ690 | 300 | N | N | N | 50 | 70 | N | 15 | N | N | 1,000 | N | <20 | 700 | N | N |
| 84SJ696 | 150 | N | N | N | 10 | 50 | N | 15 | 50 | N | 700 | N | 20 | 1,000 | 70 | N |
| 84SJ699 | 1,500 | N | N | N | 300 | 3,000 | N | 15 | 150 | N | 500 | N | 20 | 1,500 | 50 | N |
| 84SJ716 | 300 | N | N | N | 70 | 70 | N | 15 | 2,000 | <200 | 200 | N | N | N | N | N |
| 84SJ723 | 100 | N | N | N | 50 | <20 | N | 15 | N | N | 2,000 | N | <20 | N | 50 | N |
| 84SJ725 | 300 | N | N | N | 70 | 100 | N | 10 | N | N | 700 | N | N | <500 | N | N |
| 84SJ729 | 100 | N | N | N | 20 | <20 | N | 50 | N | 500 | 700 | N | 30 | N | N | N |
| 84SJ733 | 150 | N | N | N | 70 | <20 | N | 50 | N | N | 1,500 | N | 30 | N | N | N |
| 84SJ735 | 300 | N | N | N | 70 | 70 | N | 10 | 30 | N | 1,000 | N | N | N | 70 | N |
| 84SJ736 | 150 | N | N | N | 50 | 100 | N | 15 | 200 | N | 700 | N | <20 | <500 | 50 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ738 | 18 21 31 | 64 44 0 | 30 | .70 | 1.00 | 1.50 | 1,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SJ739 | 18 21 38 | 64 44 7 | 50 | .20 | .15 | 1.50 | 700 | <1.0 | <500 | N | N | 3,000 | N | 70 | N | 50 | 500 |
| 84SJ739 | 18 21 38 | 64 44 9 | 50 | .20 | .15 | 1.50 | 700 | <1.0 | <500 | N | N | 3,000 | N | 70 | N | 50 | 500 |
| 84SJ741 | 18 21 13 | 64 44 15 | 50 | 1.50 | 1.50 | 1.50 | 1,500 | N | N | N | N | 50 | N | N | N | 70 | 1,500 |
| 84SJ742 | 18 21 21 | 64 44 15 | 20 | 1.50 | 3.00 | 1.50 | 1,500 | N | N | N | N | <50 | N | N | N | 70 | 1,500 |
| 84SJ743 | 18 21 22 | 64 44 8 | 20 | 1.50 | 2.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 50 | 7,000 |
| 84SJ746 | 18 21 7 | 64 44 38 | 30 | 1.50 | 2.00 | 1.00 | 1,500 | N | N | N | N | <50 | N | N | N | 50 | 7,000 |
| 84SC001 | 17 46 1 | 64 49 21 | 50 | 1.50 | 3.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC002 | 17 46 17 | 64 48 37 | 50 | 1.00 | 3.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 100 | 5,000 |
| 84SC003 | 17 46 8 | 64 49 7 | 50 | 1.50 | 3.00 | 2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 50 | 1,500 |
| 84SC004 | 17 45 54 | 64 49 44 | 50 | 1.50 | 3.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 500 |
| 84SC005 | 17 45 46 | 64 50 1 | 50 | 1.50 | 3.00 | >2.00 | 3,000 | N | N | N | N | 150 | N | N | N | 50 | 300 |
| 84SC006 | 17 45 11 | 64 49 47 | >50 | 1.00 | 2.00 | >2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 100 | 7,000 |
| 84SC007 | 17 45 18 | 64 49 39 | 50 | 1.00 | 1.50 | >2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 100 | 500 |
| 84SC008 | 17 45 1 | 64 49 19 | 50 | 1.50 | 2.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC009 | 17 46 2 | 64 45 49 | >50 | .70 | 1.00 | >2.00 | 1,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC010 | 17 46 17 | 64 45 40 | >50 | 1.50 | 1.50 | >2.00 | 1,000 | N | N | N | N | 50 | N | N | N | 100 | 1,500 |
| 84SC011 | 17 46 47 | 64 45 43 | 50 | .70 | 1.50 | >2.00 | 1,000 | N | N | N | N | 50 | N | N | N | 70 | 1,000 |
| 84SC012 | 17 46 39 | 64 46 10 | >50 | 1.00 | 2.00 | >2.00 | 1,000 | N | N | N | N | 50 | N | N | N | 70 | 2,000 |
| 84SC013 | 17 46 51 | 64 46 35 | 50 | 1.00 | 2.00 | >2.00 | 1,000 | N | N | N | N | 150 | N | N | N | 50 | 700 |
| 84SC014 | 17 46 23 | 64 47 30 | >50 | .50 | 2.00 | >2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 70 | 5,000 |
| 84SC015 | 17 46 27 | 64 47 22 | 50 | .70 | 2.00 | >2.00 | 1,000 | N | N | N | N | 50 | N | N | N | 30 | 1,500 |
| 84SC016 | 17 46 33 | 64 47 20 | >50 | 1.00 | 2.00 | >2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 50 | 2,000 |
| 84SC017 | 17 46 34 | 64 48 7 | >50 | 1.00 | 2.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 7,000 |
| 84SC018 | 17 46 39 | 64 47 39 | >50 | 1.00 | 2.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 100 | 7,000 |
| 84SC019 | 17 45 39 | 64 46 22 | 50 | 1.00 | 1.50 | >2.00 | 1,000 | N | N | N | N | <50 | N | N | N | 100 | 5,000 |
| 84SC020 | 17 45 40 | 64 46 55 | >50 | 1.00 | 1.50 | >2.00 | 1,000 | N | N | N | N | <50 | N | N | N | 70 | 2,000 |
| 84SC021 | 17 45 38 | 64 46 59 | 50 | 1.00 | 2.00 | >2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 150 | 2,000 |
| 84SC022 | 17 45 37 | 64 47 42 | >50 | .50 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 5,000 |
| 84SC023 | 17 45 50 | 64 47 57 | 50 | .50 | 1.50 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 50 | 7,000 |
| 84SC024 | 17 44 48 | 64 48 54 | 50 | 2.00 | 2.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC025 | 17 45 54 | 64 46 7 | 50 | 1.50 | 2.00 | >2.00 | 1,000 | N | N | N | N | 100 | N | N | N | 70 | 1,000 |
| 84SC026 | 17 44 1 | 64 48 55 | 50 | .70 | 2.00 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 100 | 2,000 |
| 84SC028 | 17 44 59 | 64 47 37 | 50 | 1.00 | 1.00 | >2.00 | 3,000 | N | N | N | N | 70 | N | N | N | 150 | 3,000 |
| 84SC029 | 17 45 16 | 64 47 16 | >50 | 1.00 | 1.50 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 150 | 5,000 |
| 84SC029 | 17 44 17 | 64 48 26 | >50 | 1.00 | 1.50 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 150 | 5,000 |
| 84SC030 | 17 44 23 | 64 49 0 | >50 | 1.00 | 1.50 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC031 | 17 44 50 | 64 48 35 | 50 | 1.50 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC033 | 17 45 10 | 64 48 37 | >50 | .70 | 1.00 | >2.00 | 3,000 | N | N | N | N | N | N | N | N | 150 | 1,500 |
| 84SC034S | 17 45 10 | 64 51 13 | >50 | .70 | 1.00 | 2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 500 |
| 84SC035S | 17 45 18 | 64 50 46 | 50 | .50 | .70 | 2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 700 |
| 84SC036S | 17 45 8 | 64 50 24 | >50 | 1.00 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC037S | 17 44 47 | 64 50 5 | 50 | 1.50 | 1.00 | >2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 150 | 1,000 |
| 84SC038S | 17 45 36 | 64 50 21 | 30 | .70 | .50 | >2.00 | 1,000 | N | N | N | N | N | N | N | N | 70 | 500 |
| 84SC040 | 17 45 47 | 64 52 20 | >50 | .50 | .30 | .70 | 1,000 | N | N | N | N | 200 | N | N | N | 150 | 300 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ738 | 150 | N | N | N | 100 | 70 | N | 15 | 70 | N | 1,500 | N | 30 | N | 30 | N |
| 84SJ739 | 1,500 | N | 200 | N | 150 | 300 | <200 | 10 | N | N | 700 | N | 20 | 700 | 50 | N |
| 84SJ739 | 1,500 | N | 200 | N | 150 | 300 | <200 | 10 | N | N | 700 | N | 20 | 700 | 50 | N |
| 84SJ741 | 70 | N | N | N | 50 | N | N | 15 | N | N | 1,000 | N | 30 | N | 70 | N |
| 84SJ742 | 70 | N | N | N | 70 | 200 | N | 20 | <20 | N | 1,500 | N | 20 | <500 | 70 | N |
| 84SJ743 | 100 | N | N | N | 100 | 100 | N | 15 | N | N | 1,500 | N | 30 | 1,000 | 50 | N |
| 84SJ746 | 100 | N | N | N | 70 | 150 | N | 15 | 150 | N | 1,000 | N | 30 | 700 | 30 | N |
| 84SC001 | 150 | N | N | N | 70 | 20 | N | 30 | N | N | 5,000 | N | <20 | 500 | 20 | N |
| 84SC002 | 150 | N | N | N | 70 | 30 | N | 20 | N | N | 3,000 | N | <20 | 1,000 | 30 | N |
| 84SC003 | 100 | N | N | N | 50 | 30 | N | 30 | 70 | N | 2,000 | N | <20 | <500 | <20 | N |
| 84SC004 | 100 | N | N | N | 30 | 20 | N | 20 | N | N | 5,000 | N | <20 | 700 | N | N |
| 84SC005 | 70 | N | N | N | 30 | 20 | N | 15 | N | N | 3,000 | N | 50 | 500 | 20 | N |
| 84SC006 | 100 | N | N | N | 100 | 30 | N | 15 | N | N | 5,000 | N | <20 | 500 | <20 | N |
| 84SC007 | 70 | N | N | N | 70 | 30 | N | 15 | N | N | 5,000 | N | N | 700 | 70 | N |
| 84SC008 | 100 | N | N | N | 150 | 30 | N | 20 | N | N | 5,000 | N | N | 700 | 30 | N |
| 84SC009 | 100 | N | N | N | 100 | 50 | N | 20 | N | N | 5,000 | N | <20 | 1,000 | 30 | N |
| 84SC010 | 100 | N | N | N | 100 | 30 | N | 30 | N | N | 5,000 | N | <20 | 700 | 20 | N |
| 84SC011 | 70 | N | N | N | 70 | 20 | N | 50 | N | N | 3,000 | N | <20 | 700 | 50 | N |
| 84SC012 | 100 | N | N | N | 70 | 30 | N | 50 | N | N | 3,000 | N | <20 | 500 | 20 | N |
| 84SC013 | 70 | N | N | N | 50 | 30 | N | 20 | N | N | 2,000 | N | <20 | 700 | 50 | N |
| 84SC014 | 100 | N | N | N | 150 | 50 | N | 20 | N | N | 3,000 | N | N | 1,500 | 20 | N |
| 84SC015 | 100 | N | N | N | 70 | 30 | N | 15 | N | N | 2,000 | N | <20 | 700 | 50 | N |
| 84SC016 | 100 | N | N | N | 70 | 30 | N | 30 | N | N | 3,000 | N | <20 | 1,000 | 20 | N |
| 84SC017 | 150 | N | N | N | 150 | 70 | N | 20 | N | N | 3,000 | N | 20 | 1,500 | 20 | N |
| 84SC018 | 150 | N | N | N | 150 | 100 | N | 30 | N | N | 3,000 | N | <20 | 1,000 | N | N |
| 84SC019 | 100 | N | N | N | 70 | 70 | N | 20 | N | N | 3,000 | N | <20 | 700 | <20 | N |
| 84SC020 | 100 | N | N | N | 100 | 50 | N | 30 | N | N | 3,000 | N | N | 1,000 | 50 | N |
| 84SC021 | 100 | N | N | N | 100 | 30 | N | 30 | N | N | 3,000 | N | <20 | 1,000 | 70 | N |
| 84SC022 | 150 | N | N | N | 150 | 150 | N | 20 | 150 | N | 3,000 | N | N | 1,500 | 30 | N |
| 84SC023 | 100 | N | N | N | 100 | 30 | N | 10 | N | N | 3,000 | N | <20 | 700 | 30 | N |
| 84SC024 | 100 | N | N | N | 150 | 20 | N | 20 | N | N | 5,000 | N | <20 | 500 | 70 | N |
| 84SC025 | 150 | N | N | N | 100 | 100 | N | 20 | 70 | N | 5,000 | N | N | <500 | 20 | N |
| 84SC026 | 150 | N | N | N | 150 | 50 | N | 15 | N | N | 5,000 | N | 20 | 700 | 30 | N |
| 84SC028 | 150 | N | N | N | 100 | 70 | N | 20 | 300 | N | 3,000 | N | <20 | 1,000 | 50 | N |
| 84SC029 | 150 | N | N | N | 150 | 100 | N | 15 | 200 | N | 3,000 | N | <20 | 2,000 | 50 | N |
| 84SC029 | 150 | N | N | N | 150 | 100 | N | 15 | 200 | N | 3,000 | N | <20 | 2,000 | 50 | N |
| 84SC030 | 100 | N | N | N | 150 | 100 | N | 20 | 100 | N | 5,000 | N | N | 1,000 | <20 | N |
| 84SC031 | 70 | N | N | N | 150 | <20 | N | 20 | N | N | 5,000 | N | N | 700 | N | N |
| 84SC033 | 70 | N | N | N | 150 | <20 | N | 15 | N | N | 7,000 | N | <20 | 1,000 | 50 | N |
| 84SC034S | 300 | N | N | N | 150 | 500 | N | 10 | >2,000 | N | 2,000 | N | <20 | 1,000 | <20 | N |
| 84SC035S | 200 | N | N | N | 100 | 20 | N | 10 | N | N | 2,000 | N | <20 | 500 | N | N |
| 84SC036S | 150 | N | N | N | 150 | 70 | N | 20 | N | N | 5,000 | N | <20 | 1,000 | N | N |
| 84SC037S | 200 | N | N | N | 150 | 70 | N | 15 | N | N | 3,000 | N | 20 | 1,500 | N | N |
| 84SC038S | 100 | N | N | N | 70 | <20 | N | 15 | N | N | 3,000 | N | <20 | 500 | <20 | N |
| 84SC040 | 500 | N | N | N | 700 | 100 | N | <10 | 500 | N | 1,500 | N | <20 | 2,000 | 20 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC041 | 17 45 46 | 64 52 23 | >50 | .70 | .30 | .50 | 1,000 | N | N | N | N | 300 | <2 | N | N | 150 | 500 |
| 84SC042 | 17 46 14 | 64 52 28 | >50 | .70 | .30 | .70 | 1,500 | N | N | N | N | 500 | <2 | N | N | 150 | 700 |
| 84SC043 | 17 45 50 | 64 53 4 | 50 | .70 | .15 | 1.00 | 1,500 | N | N | N | N | 500 | <2 | N | N | 150 | 500 |
| 84SC044 | 17 45 2 | 64 53 28 | 50 | .50 | .20 | 1.00 | 1,500 | N | N | N | N | 500 | <2 | N | N | 150 | 1,000 |
| 84SC045 | 17 44 28 | 64 53 2 | 50 | .50 | .15 | 1.00 | 2,000 | N | N | N | N | 700 | N | N | N | 500 | 500 |
| 84SC046 | 17 44 49 | 64 52 36 | 50 | .50 | .20 | 1.00 | 1,500 | N | N | N | N | 500 | N | N | N | 300 | 500 |
| 84SC047 | 17 44 53 | 64 52 6 | 50 | .50 | .30 | 1.50 | 2,000 | N | N | N | N | 150 | N | N | N | 150 | 300 |
| 84SC048 | 17 45 0 | 64 52 8 | 50 | .20 | .20 | .20 | 1,500 | N | N | N | N | 500 | N | N | N | 150 | 100 |
| 84SC049 | 17 45 3 | 64 51 42 | 50 | .70 | 1.50 | 1.50 | 2,000 | N | N | N | N | 70 | N | N | N | 150 | 5,000 |
| 84SC050 | 17 45 0 | 64 51 43 | 50 | .50 | .50 | 1.00 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 5,000 |
| 84SC051 | 17 43 47 | 64 52 38 | 30 | .50 | .50 | 1.50 | 2,000 | N | N | N | N | 700 | N | N | N | 150 | 2,000 |
| 84SC052 | 17 43 50 | 64 51 59 | >50 | .70 | .50 | .70 | 1,500 | 3.0 | N | N | N | 700 | N | N | N | 500 | 10,000 |
| 84SC053 | 17 43 53 | 64 51 51 | 50 | .70 | 1.50 | 2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 100 | 5,000 |
| 84SC054 | 17 44 21 | 64 51 41 | 50 | .70 | .30 | 1.00 | 1,500 | N | N | N | N | 200 | N | N | N | 200 | 700 |
| 84SC055 | 17 44 24 | 64 51 38 | 50 | .50 | .30 | .70 | 1,500 | N | N | N | N | 70 | <2 | N | N | 150 | 500 |
| 84SC056 | 17 44 29 | 64 51 40 | >50 | .50 | .30 | 1.00 | 1,500 | N | N | N | N | 150 | N | N | N | 150 | 700 |
| 84SC057 | 17 44 5 | 64 51 24 | 30 | .50 | .50 | 1.00 | 1,500 | N | N | N | N | 300 | N | N | N | 50 | 1,000 |
| 84SC058 | 17 44 26 | 64 51 12 | 50 | .50 | .70 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 10,000 |
| 84SC059 | 17 44 32 | 64 50 53 | 50 | .70 | 1.50 | 2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 100 | 2,000 |
| 84SC060 | 17 44 21 | 64 50 19 | 30 | .70 | 1.50 | 2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 150 | 2,000 |
| 84SC061 | 17 44 7 | 64 50 2 | 50 | .50 | 1.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 50 | 2,000 |
| 84SC062 | 17 44 3 | 64 49 38 | 50 | .50 | 1.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 70 | 3,000 |
| 84SC063 | 17 43 26 | 64 52 0 | 30 | .70 | 1.50 | >2.00 | 1,500 | N | N | N | N | 150 | N | N | N | 50 | 300 |
| 84SC064 | 17 42 43 | 64 52 0 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 70 | 500 |
| 84SC065 | 17 42 55 | 64 51 38 | 50 | .70 | 1.00 | 2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 70 | 1,000 |
| 84SC066 | 17 42 51 | 64 51 4 | 50 | .70 | 1.00 | 2.00 | 1,500 | N | N | N | N | 70 | N | N | N | 70 | 1,000 |
| 84SC067 | 17 43 4 | 64 51 12 | 30 | .70 | 2.00 | >2.00 | 1,500 | N | N | N | N | 100 | N | N | N | 50 | 5,000 |
| 84SC068 | 17 43 4 | 64 50 40 | 30 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 50 | 1,500 |
| 84SC069 | 17 43 6 | 64 49 58 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | N | 150 | N | N | N | 70 | 1,500 |
| 84SC070 | 17 43 55 | 64 49 21 | 50 | .70 | 1.50 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 70 | 2,000 |
| 84SC071 | 17 45 34 | 64 45 50 | 50 | .50 | .70 | >2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 70 | 1,500 |
| 84SC072 | 17 46 6 | 64 45 24 | 30 | .50 | .70 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 100 | 1,500 |
| 84SC074S | 17 45 17 | 64 46 9 | 50 | .70 | .50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |
| 84SC075S | 17 44 54 | 64 46 26 | 30 | 1.00 | 1.50 | >2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 100 | 1,000 |
| 84SC076S | 17 44 46 | 64 46 52 | 50 | .70 | .70 | >2.00 | 3,000 | N | N | N | N | 70 | N | N | N | 100 | 2,000 |
| 84SC077S | 17 44 37 | 64 47 18 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 150 | 1,000 |
| 84SC078S | 17 44 29 | 64 47 46 | 50 | 1.50 | 2.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC079S | 17 44 19 | 64 46 38 | 50 | .70 | .50 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 1,000 |
| 84SC080S | 17 44 10 | 64 47 2 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 500 |
| 84SC081S | 17 44 3 | 64 47 28 | 50 | 1.00 | 1.50 | >2.00 | 3,000 | N | N | N | N | 500 | N | N | N | 150 | 700 |
| 84SC082S | 17 43 59 | 64 46 1 | 50 | .70 | 1.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 5,000 |
| 84SC083S | 17 44 21 | 64 45 54 | 50 | .70 | 2.00 | >2.00 | 1,000 | N | N | N | N | 50 | N | N | N | 150 | 1,000 |
| 84SC084S | 17 44 46 | 64 46 3 | 50 | 1.00 | 1.50 | >2.00 | 1,500 | N | N | N | N | 70 | N | N | N | 150 | 700 |
| 84SC085S | 17 45 14 | 64 45 16 | 50 | .70 | 1.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 700 |
| 84SC086 | 17 44 52 | 64 45 14 | 50 | .70 | .70 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC041 | 500 | N | N | N | 300 | 100 | N | 15 | 150 | N | 700 | N | 30 | 2,000 | <20 | N |
| 84SC042 | 300 | N | N | N | 300 | 200 | N | 20 | 2,000 | N | 1,500 | N | 30 | 7,000 | N | N |
| 84SC043 | 300 | N | N | N | 700 | 300 | N | 15 | 300 | N | 700 | N | 30 | 500 | N | N |
| 84SC044 | 500 | N | N | N | 500 | 150 | N | 15 | 150 | N | 700 | N | 30 | 1,500 | N | N |
| 84SC045 | 500 | N | N | N | 500 | 300 | N | 15 | 2,000 | N | 700 | N | 20 | 1,500 | N | N |
| 84SC046 | 500 | N | N | N | 200 | 150 | N | 15 | 300 | N | 700 | N | 30 | <500 | 500 | N |
| 84SC047 | 300 | N | N | N | 150 | 200 | N | 10 | 500 | N | 700 | N | <20 | 1,000 | <20 | N |
| 84SC048 | 300 | N | N | N | 200 | 500 | N | N | 1,000 | N | 200 | N | N | 2,000 | N | N |
| 84SC049 | 300 | N | N | N | 200 | 150 | N | 10 | 300 | N | 1,500 | N | N | 1,000 | N | N |
| 84SC050 | 500 | N | N | N | 150 | 150 | N | 10 | N | N | 700 | N | N | 2,000 | N | N |
| 84SC051 | 300 | N | N | N | 150 | 150 | N | 10 | 300 | N | 1,000 | N | 30 | 1,500 | 50 | N |
| 84SC052 | 300 | N | N | N | 300 | 150 | N | 15 | 500 | N | 700 | N | 50 | 2,000 | <20 | N |
| 84SC053 | 200 | N | N | N | 70 | 100 | N | 15 | 150 | N | 2,000 | N | 30 | 1,500 | N | N |
| 84SC054 | 500 | N | N | N | 200 | 150 | N | 15 | 100 | N | 700 | N | 50 | 700 | <20 | N |
| 84SC055 | 500 | N | N | N | 150 | 200 | N | 10 | 200 | N | 700 | N | 20 | 700 | <20 | N |
| 84SC056 | 300 | N | N | N | 150 | 150 | N | 10 | 300 | N | 700 | N | <20 | 2,000 | N | N |
| 84SC057 | 300 | N | N | N | 150 | 70 | N | 15 | 50 | N | 700 | N | 30 | 1,000 | <20 | N |
| 84SC058 | 150 | N | N | N | 150 | 70 | N | 15 | N | N | 1,500 | N | N | 2,000 | <20 | N |
| 84SC059 | 700 | N | N | N | 100 | 100 | N | 15 | 300 | N | 1,000 | N | 20 | 1,500 | 20 | N |
| 84SC060 | 200 | N | N | N | 70 | 70 | N | 20 | 100 | N | 1,000 | N | 20 | 700 | <20 | N |
| 84SC061 | 70 | N | N | N | 50 | 70 | N | 15 | N | N | 2,000 | N | <20 | 2,000 | N | N |
| 84SC062 | 100 | N | N | N | 50 | 50 | N | 15 | N | N | 2,000 | N | 20 | 700 | N | N |
| 84SC063 | 100 | N | N | N | 50 | 70 | N | 20 | 70 | 500 | 2,000 | N | 30 | 700 | 70 | N |
| 84SC064 | 100 | N | N | N | 50 | 70 | N | 20 | N | N | 2,000 | N | 30 | 1,500 | 70 | N |
| 84SC065 | 100 | N | N | N | 50 | 50 | N | 20 | 70 | N | 2,000 | N | 30 | 1,500 | 30 | N |
| 84SC066 | 100 | N | N | N | 70 | 70 | N | 20 | 30 | N | 1,500 | N | 20 | 2,000 | N | N |
| 84SC067 | 100 | N | N | N | 150 | 70 | N | 20 | N | 300 | 3,000 | N | <20 | 1,000 | 50 | N |
| 84SC068 | 150 | N | N | N | 150 | 100 | N | 20 | 100 | 500 | 3,000 | N | <20 | 1,500 | 50 | N |
| 84SC069 | 100 | N | N | N | 150 | 70 | N | 20 | 70 | <200 | 5,000 | N | 20 | 1,500 | 50 | N |
| 84SC070 | 150 | N | N | N | 100 | 150 | N | 15 | 200 | N | 2,000 | N | 20 | 2,000 | <20 | N |
| 84SC071 | 100 | N | N | N | 100 | 150 | N | 15 | 500 | N | 1,500 | N | <20 | 1,500 | 50 | N |
| 84SC072 | 100 | N | N | N | 100 | 100 | N | 15 | 50 | N | 2,000 | N | <20 | 1,000 | 50 | N |
| 84SC074S | 200 | N | N | N | 150 | 300 | N | 15 | 300 | N | 1,500 | N | <20 | 1,500 | 50 | N |
| 84SC075S | 150 | N | N | N | 100 | 100 | N | 15 | 200 | N | 1,500 | N | <20 | 1,000 | 100 | N |
| 84SC076S | 100 | N | N | N | 150 | 150 | N | 15 | 100 | N | 2,000 | N | 30 | 2,000 | 70 | N |
| 84SC077S | 200 | N | <10 | N | 150 | 300 | N | 15 | 300 | N | 1,000 | N | <20 | 700 | 70 | N |
| 84SC078S | 70 | N | N | N | 150 | 30 | N | 20 | N | N | 5,000 | N | <20 | 1,000 | 30 | N |
| 84SC079S | 150 | N | N | N | 100 | 150 | N | 15 | 300 | N | 1,000 | N | <20 | 700 | 300 | N |
| 84SC080S | 150 | N | N | N | 150 | 150 | N | 15 | 200 | N | 1,500 | N | N | 1,500 | 70 | N |
| 84SC081S | 300 | N | N | N | 200 | 200 | N | 15 | 300 | N | 1,500 | N | 30 | 700 | 70 | N |
| 84SC082S | 100 | N | N | N | 200 | 70 | N | 20 | N | N | 2,000 | N | <20 | 1,000 | 20 | N |
| 84SC083S | 70 | N | N | N | 150 | 30 | N | 15 | N | N | 2,000 | N | 20 | 700 | 30 | N |
| 84SC084S | 150 | N | N | N | 200 | 150 | N | 15 | 300 | N | 1,500 | N | <20 | 1,500 | 50 | N |
| 84SC085S | 100 | N | N | N | 150 | 300 | N | 15 | 100 | N | 1,500 | N | <20 | 700 | 70 | N |
| 84SC086 | 100 | N | N | N | 150 | 70 | N | 15 | <20 | N | 1,500 | N | N | 1,000 | 50 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC087 | 17 44 17 | 64 45 17 | 50 | .70 | .70 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 150 | 5,000 |
| 84SC088S | 17 43 37 | 64 45 17 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC089S | 17 43 23 | 64 45 54 | 20 | 1.00 | 2.00 | 2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 150 | 300 |
| 84SC090S | 17 42 35 | 64 47 13 | 30 | 1.00 | 1.00 | >2.00 | 3,000 | N | N | N | N | N | N | N | N | 150 | 1,500 |
| 84SC091S | 17 42 54 | 64 47 27 | 30 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |
| 84SC093S | 17 43 35 | 64 47 16 | 50 | 1.00 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC094S | 17 43 41 | 64 46 49 | 15 | 2.00 | 5.00 | 2.00 | 2,000 | N | N | N | 20 | 300 | N | N | N | 50 | 500 |
| 84SC095S | 17 43 50 | 64 46 29 | 30 | .70 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 700 |
| 84SC096S | 17 44 5 | 64 45 34 | 50 | .30 | 1.00 | 1.50 | 1,500 | N | N | N | N | 70 | N | N | N | 150 | 700 |
| 84SC098 | 17 45 9 | 64 44 30 | 30 | .70 | .20 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,500 |
| 84SC099 | 17 45 15 | 64 44 39 | 50 | .70 | .70 | 2.00 | 2,000 | N | N | N | N | N | N | N | N | 100 | 2,000 |
| 84SC100S | 17 45 13 | 64 43 36 | 50 | .70 | .30 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 500 |
| 84SC101S | 17 45 5 | 64 44 4 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC102S | 17 44 52 | 64 43 32 | 50 | .70 | .50 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 1,000 |
| 84SC103S | 17 44 15 | 64 43 15 | 30 | .70 | .70 | 2.00 | 2,000 | N | N | N | <20 | 100 | N | N | N | 100 | 1,500 |
| 84SC104S | 17 44 24 | 64 43 39 | 50 | .70 | 1.00 | >2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 100 | 1,500 |
| 84SC105S | 17 44 8 | 64 43 55 | 30 | .50 | 1.00 | 2.00 | 1,500 | N | N | N | N | <50 | N | N | N | 100 | 1,500 |
| 84SC107S | 17 44 44 | 64 44 37 | 30 | .70 | 1.50 | >2.00 | 1,500 | N | N | N | N | 50 | N | N | N | 70 | 1,500 |
| 84SC108S | 17 44 46 | 64 44 18 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 5,000 |
| 84SC109S | 17 43 40 | 64 44 33 | 50 | .70 | 1.00 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC110S | 17 43 22 | 64 44 27 | 50 | .70 | .70 | 2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 500 |
| 84SC111S | 17 43 14 | 64 44 51 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 100 | 7,000 |
| 84SC112S | 17 43 8 | 64 45 18 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 500 |
| 84SC113S | 17 43 30 | 64 44 1 | 30 | .50 | 1.00 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 100 | 1,500 |
| 84SC114S | 17 42 49 | 64 42 45 | 30 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | <20 | 300 | N | N | N | 70 | 500 |
| 84SC116S | 17 42 9 | 64 43 10 | 30 | .70 | 1.50 | >2.00 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 100 | 1,000 |
| 84SC117S | 17 42 35 | 64 43 23 | 30 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC118S | 17 42 29 | 64 43 47 | 50 | .70 | .70 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC119S | 17 42 59 | 64 43 50 | 50 | 1.00 | .70 | >2.00 | 3,000 | N | N | N | N | N | N | N | N | 150 | 1,000 |
| 84SC120S | 17 42 53 | 64 44 16 | 50 | .70 | .15 | 2.00 | 5,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |
| 84SC121S | 17 43 6 | 64 43 33 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 2,000 |
| 84SC122S | 17 43 16 | 64 42 54 | 50 | .70 | 2.00 | >2.00 | 1,500 | N | N | N | N | 300 | <2 | N | N | 70 | 300 |
| 84SC123S | 17 43 40 | 64 43 29 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC124S | 17 43 57 | 64 42 43 | 50 | .50 | .50 | 3.00 | 2,000 | N | N | N | 50 | 500 | <2 | N | N | 100 | 2,000 |
| 84SC125S | 17 42 55 | 64 46 52 | >50 | .50 | 1.50 | .70 | 2,000 | N | N | N | N | <50 | N | N | N | 70 | 300 |
| 84SC126S | 17 43 9 | 64 46 27 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 500 |
| 84SC127S | 17 42 5 | 64 47 17 | 50 | 1.50 | 1.50 | >2.00 | 3,000 | N | N | N | N | 70 | N | N | N | 150 | 1,000 |
| 84SC128S | 17 43 17 | 64 48 8 | 50 | 1.50 | 2.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 700 |
| 84SC129S | 17 43 48 | 64 48 20 | 30 | 1.50 | 2.00 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 1,000 |
| 84SC130S | 17 42 52 | 64 48 3 | 50 | 1.00 | 1.50 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |
| 84SC131S | 17 43 2 | 64 48 51 | 50 | .70 | 1.50 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 150 | 1,500 |
| 84SC132S | 17 42 37 | 64 48 40 | >50 | 1.50 | 1.50 | >2.00 | 2,000 | N | N | N | N | N | N | N | N | 150 | 1,000 |
| 84SC133S | 17 43 0 | 64 49 18 | 50 | 1.00 | 2.00 | 2.00 | 2,000 | N | N | N | N | 100 | N | N | N | 100 | 500 |
| 84SC134S | 17 43 25 | 64 49 26 | 50 | .70 | 1.00 | 2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 100 | 1,500 |
| 84SC135S | 17 43 34 | 64 48 59 | >50 | .50 | 1.00 | 2.00 | 3,000 | N | N | N | N | 70 | N | N | N | 100 | 500 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC087 | 70 | N | N | N | 150 | 70 | N | 15 | 70 | N | 2,000 | N | <20 | 1,500 | 50 | N |
| 84SC088S | 150 | N | N | N | 150 | 100 | N | 15 | 100 | N | 1,500 | N | <20 | 2,000 | 30 | N |
| 84SC089S | 300 | N | N | N | 150 | 300 | N | 10 | 300 | N | 700 | N | N | 100 | 30 | N |
| 84SC090S | 100 | N | N | N | 200 | 50 | N | 15 | N | N | 5,000 | N | N | 1,500 | 50 | N |
| 84SC091S | 150 | N | N | N | 150 | 150 | N | 15 | 300 | N | 1,500 | N | N | 1,500 | 70 | N |
| 84SC093S | 100 | N | N | N | 200 | 200 | N | 15 | 200 | N | 2,000 | N | N | 1,500 | 50 | N |
| 84SC094S | 150 | N | N | N | 100 | 5 | N | 30 | N | 500 | 1,500 | N | 30 | 700 | 50 | N |
| 84SC095S | 100 | N | N | N | 100 | 15 | N | 20 | 200 | N | 1,500 | N | N | 1,000 | 50 | N |
| 84SC096S | 150 | N | N | N | 200 | 300 | N | 10 | 1,000 | N | 700 | N | N | 1,500 | 70 | N |
| 84SC098 | 150 | N | N | N | 70 | 150 | N | 10 | 300 | N | 1,000 | N | N | 1,000 | N | N |
| 84SC099 | 70 | N | N | N | 100 | 50 | N | 15 | 30 | N | 1,500 | N | N | 700 | 50 | N |
| 84SC100S | 200 | N | N | N | 150 | 300 | N | 10 | 500 | N | 700 | N | N | 1,500 | 70 | N |
| 84SC101S | 150 | N | N | N | 100 | 70 | N | 15 | 200 | N | 1,500 | N | N | 1,000 | 100 | N |
| 84SC102S | 100 | N | N | N | 70 | 50 | N | 15 | N | N | 1,000 | N | <20 | 700 | 100 | N |
| 84SC103S | 150 | N | N | N | 150 | 700 | N | 10 | 500 | N | 1,500 | N | <20 | 700 | <20 | N |
| 84SC104S | 100 | N | N | N | 100 | 50 | N | 15 | N | N | 1,500 | N | N | 1,000 | 30 | N |
| 84SC105S | 100 | N | N | N | 100 | 1,500 | N | 10 | 150 | N | 1,500 | N | N | 700 | 50 | N |
| 84SC107S | 70 | N | N | N | 100 | 50 | N | 15 | N | N | 1,500 | N | <20 | 1,000 | 30 | N |
| 84SC108S | 70 | N | N | N | 150 | 70 | N | 20 | 100 | N | 2,000 | N | N | 1,000 | 50 | N |
| 84SC109S | 150 | N | N | N | 150 | 100 | N | 15 | 70 | N | 1,000 | N | N | 1,000 | 30 | N |
| 84SC110S | 150 | N | N | N | 100 | 300 | N | 15 | 100 | N | 1,500 | N | N | 1,000 | 70 | N |
| 84SC111S | 70 | N | N | N | 100 | 50 | N | 15 | N | N | 1,500 | N | N | 1,000 | 50 | N |
| 84SC112S | 200 | N | N | N | 150 | 200 | N | 10 | 70 | N | 1,000 | N | N | 700 | 20 | N |
| 84SC113S | 70 | N | N | N | 100 | 70 | N | 15 | 100 | N | 2,000 | N | N | 1,500 | 50 | N |
| 84SC114S | 100 | N | N | N | 70 | 200 | N | 15 | 50 | N | 1,500 | N | 30 | 2,000 | 70 | N |
| 84SC116S | 100 | N | N | N | 150 | 70 | N | 15 | 30 | N | 1,500 | N | 30 | 700 | 70 | N |
| 84SC117S | 100 | N | N | N | 150 | 300 | N | 15 | 300 | N | 1,500 | N | N | 1,000 | 100 | N |
| 84SC118S | 200 | N | N | N | 150 | 200 | N | 10 | 300 | N | 1,000 | N | N | 1,500 | 50 | N |
| 84SC119S | 100 | N | N | N | 100 | 70 | N | 15 | 100 | N | 2,000 | N | N | 1,000 | 30 | N |
| 84SC120S | 150 | N | N | N | 70 | 100 | N | 15 | 200 | N | 2,000 | N | N | 1,500 | 70 | N |
| 84SC121S | 150 | N | N | N | 100 | 100 | N | 15 | 200 | N | 2,000 | N | <20 | 1,500 | 50 | N |
| 84SC122S | 150 | N | N | N | 200 | 200 | N | 15 | 300 | N | 1,500 | N | 30 | 1,500 | 50 | N |
| 84SC123S | 150 | N | N | N | 150 | 200 | N | 15 | 200 | N | 1,500 | N | 20 | 1,000 | 50 | N |
| 84SC124S | 300 | <50 | 70 | N | 500 | 70 | N | 20 | 300 | N | 1,500 | N | 50 | 1,000 | 50 | N |
| 84SC125S | 500 | N | N | N | 300 | 1,000 | N | <10 | 500 | N | 500 | N | N | 2,000 | N | N |
| 84SC126S | 150 | N | N | N | 150 | 300 | N | 15 | 700 | N | 1,500 | N | N | 2,000 | 50 | N |
| 84SC127S | 150 | N | N | N | 100 | 150 | N | 15 | 50 | N | 2,000 | N | 20 | 1,500 | 100 | N |
| 84SC128S | 100 | N | N | N | 150 | 150 | N | 15 | 200 | N | 3,000 | N | N | 1,000 | 70 | N |
| 84SC129S | 100 | N | N | N | 150 | 50 | N | 15 | 20 | N | 3,000 | N | 20 | 1,000 | 50 | N |
| 84SC130S | 150 | N | N | N | 150 | 150 | N | 15 | 300 | N | 2,000 | N | N | 1,000 | <20 | N |
| 84SC131S | 150 | N | N | N | 100 | 50 | N | 15 | 150 | N | 1,500 | N | 20 | 700 | 70 | N |
| 84SC132S | 150 | N | N | N | 150 | 150 | N | 15 | 100 | N | 1,500 | N | 20 | 1,500 | 20 | N |
| 84SC133S | 150 | N | N | N | 100 | 200 | N | 15 | 200 | N | 1,000 | N | <20 | 700 | 50 | N |
| 84SC134S | 150 | N | N | N | 70 | 70 | N | 15 | 200 | N | 1,500 | N | N | 1,000 | 20 | N |
| 84SC135S | 200 | N | N | N | 150 | 300 | N | 10 | 300 | N | 1,500 | N | N | 1,500 | N | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC136S | 17 42 27 | 64 49 16 | >50 | .70 | 1.50 | >2.00 | 3,000 | N | N | N | N | 50 | N | N | N | 150 | 200 |
| 84SC137S | 17 41 33 | 64 48 52 | >50 | .70 | .70 | 2.00 | 1,000 | N | N | N | N | 150 | N | N | N | 150 | 150 |
| 84SC138S | 17 41 40 | 64 48 23 | >50 | .70 | .70 | 1.50 | 2,000 | N | N | N | N | 200 | N | N | N | 100 | 500 |
| 84SC139S | 17 41 55 | 64 49 7 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 1,000 |
| 84SC140S | 17 41 47 | 64 49 31 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 150 | N | N | N | 100 | 700 |
| 84SC141S | 17 41 21 | 64 49 25 | >50 | .70 | .30 | 2.00 | 2,000 | N | N | N | 30 | 70 | N | N | N | 150 | 500 |
| 84SC142S | 17 42 16 | 64 49 43 | 50 | .70 | 1.50 | 2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 100 | 1,000 |
| 84SC143S | 17 42 44 | 64 49 53 | 50 | .70 | 1.00 | 2.00 | 2,000 | N | N | N | N | 300 | N | N | N | 150 | 300 |
| 84SC148 | 17 45 38 | 64 48 50 | 20 | 2.00 | 3.00 | >2.00 | 3,000 | N | N | N | N | 150 | N | N | N | 70 | 700 |
| 84SC150S | 17 45 34 | 64 48 13 | 50 | .70 | .50 | 2.00 | 2,000 | N | N | N | N | <50 | N | 20 | N | 150 | 1,000 |
| 84SC154 | 17 47 26 | 64 37 32 | 50 | .70 | .50 | 1.50 | 1,500 | N | N | N | 20 | 300 | N | N | N | 70 | 300 |
| 84SC156 | 17 47 12 | 64 37 10 | 50 | 1.00 | .30 | 2.00 | 2,000 | N | N | N | N | 300 | <2 | N | N | 100 | 7,000 |
| 84SC200 | 17 45 20 | 64 34 6 | 50 | 1.00 | .30 | 2.00 | 2,000 | N | N | N | <20 | 100 | N | N | N | 150 | 5,000 |
| 84SC201 | 17 45 31 | 64 34 22 | 50 | 1.00 | .70 | 2.00 | 2,000 | N | N | N | 20 | 300 | N | N | N | 150 | 10,000 |
| 84SC202 | 17 45 36 | 64 34 31 | 50 | 1.00 | .70 | 2.00 | 1,500 | N | N | N | N | 100 | N | N | N | 100 | 10,000 |
| 84SC203 | 17 45 34 | 64 34 39 | 50 | .70 | .30 | 1.00 | 1,500 | N | N | N | 30 | 500 | 5 | N | N | 150 | 500 |
| 84SC204 | 17 45 38 | 64 34 48 | 50 | .70 | .30 | 1.50 | 1,500 | N | N | N | 20 | 300 | N | N | N | 70 | 7,000 |
| 84SC205 | 17 45 18 | 64 35 1 | 50 | 1.50 | 1.50 | 2.00 | 2,000 | N | N | N | N | 500 | N | N | N | 70 | 5,000 |
| 84SC206 | 17 45 13 | 64 35 33 | 50 | 1.50 | 2.00 | >2.00 | 1,500 | N | N | N | N | 100 | N | N | N | 70 | 7,000 |
| 84SC207 | 17 44 48 | 64 36 25 | 50 | 1.00 | .70 | 1.50 | 2,000 | N | N | N | N | 700 | N | N | N | 70 | 5,000 |
| 84SC208 | 17 45 12 | 64 34 20 | 50 | 1.50 | 1.00 | >2.00 | 3,000 | N | N | N | N | 200 | N | N | N | 150 | 10,000 |
| 84SC209 | 17 45 0 | 64 34 35 | 50 | 1.00 | 1.00 | 2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 100 | 10,000 |
| 84SC210 | 17 45 1 | 64 34 53 | 50 | 1.00 | .30 | 2.00 | 2,000 | N | N | N | N | 300 | <2 | N | N | 100 | 700 |
| 84SC212 | 17 44 36 | 64 36 37 | 30 | 1.00 | .70 | 1.00 | 2,000 | N | N | N | N | 500 | N | N | N | 100 | 7,000 |
| 84SC213 | 17 44 17 | 64 37 7 | 50 | .70 | .20 | 1.00 | 2,000 | N | N | N | 20 | 700 | <2 | N | N | 150 | 1,000 |
| 84SC214 | 17 44 6 | 64 37 24 | 50 | .70 | .20 | .70 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 100 | 1,000 |
| 84SC215 | 17 44 1 | 64 37 38 | 50 | .70 | .70 | 1.00 | 1,000 | N | N | N | 20 | 300 | N | N | N | 150 | 1,500 |
| 84SC216 | 17 45 41 | 64 39 12 | 50 | .70 | .30 | 1.00 | 2,000 | N | N | N | 20 | 700 | <2 | N | N | 100 | 300 |
| 84SC218 | 17 45 1 | 64 38 17 | 50 | 1.00 | .50 | 1.00 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 150 | 500 |
| 84SC219 | 17 45 24 | 64 37 38 | 30 | .70 | .15 | .70 | 3,000 | N | N | N | 20 | 700 | <2 | N | N | 70 | 300 |
| 84SC220 | 17 45 5 | 64 37 40 | 50 | 1.00 | .20 | 1.00 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 150 | 500 |
| 84SC221 | 17 44 56 | 64 37 33 | 50 | .70 | .15 | 1.00 | 2,000 | N | N | N | 20 | 300 | <2 | N | N | 100 | 2,000 |
| 84SC222 | 17 44 57 | 64 37 15 | 50 | .70 | .15 | 1.00 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 150 | 700 |
| 84SC223 | 17 44 57 | 64 36 46 | 50 | .70 | .20 | 1.00 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 150 | 1,500 |
| 84SC224 | 17 45 14 | 64 36 23 | 50 | .70 | .15 | 1.50 | 2,000 | N | N | N | 20 | 500 | <2 | N | N | 100 | 2,000 |
| 84SC225 | 17 44 33 | 64 38 59 | 50 | .70 | .20 | 1.50 | 2,000 | N | N | N | <20 | 500 | N | N | N | 100 | 200 |
| 84SC226 | 17 44 13 | 64 38 39 | 50 | .70 | .30 | 2.00 | 2,000 | N | N | N | 20 | 500 | N | N | N | 150 | 300 |
| 84SC227 | 17 44 20 | 64 36 56 | 50 | 1.00 | .50 | 1.50 | 2,000 | N | N | N | 50 | 500 | <2 | N | N | 150 | 1,000 |
| 84SC228S | 17 44 6 | 64 36 39 | 30 | 1.00 | 3.00 | >2.00 | 700 | N | N | N | N | 150 | N | N | N | 50 | 500 |
| 84SC229 | 17 44 10 | 64 38 0 | 30 | .70 | .20 | 1.50 | 2,000 | N | N | N | N | 500 | <2 | N | N | 100 | 1,000 |
| 84SC230S | 17 43 39 | 64 38 43 | 50 | .70 | .10 | 1.50 | 1,500 | N | N | N | <20 | 300 | <2 | N | N | 150 | 200 |
| 84SC231 | 17 44 12 | 64 39 3 | 50 | .70 | .20 | .70 | 1,500 | N | N | N | N | 300 | 2 | 70 | N | 150 | 1,500 |
| 84SC232S | 17 44 26 | 64 39 33 | 50 | .70 | .50 | 1.50 | 2,000 | N | N | N | N | 500 | N | N | N | 300 | >10,000 |
| 84SC233 | 17 44 50 | 64 38 53 | 30 | 1.00 | .50 | 1.00 | 2,000 | N | N | N | <20 | 700 | <2 | N | N | 150 | 200 |
| 84SC234 | 17 44 48 | 64 38 51 | 50 | .70 | .50 | 1.50 | 2,000 | N | N | N | N | 500 | <2 | N | N | 150 | 500 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC136S | 150 | N | N | N | 150 | 150 | N | 15 | 500 | N | 1,000 | N | N | 1,000 | 20 | N |
| 84SC137S | 150 | N | N | N | 150 | 300 | N | <10 | 700 | N | 500 | N | N | <500 | <20 | N |
| 84SC138S | 500 | N | 15 | N | 200 | 300 | N | <10 | 500 | N | 500 | N | N | 10,000 | N | N |
| 84SC139S | 200 | N | N | N | 150 | 1,000 | N | 10 | 200 | N | 1,000 | N | N | 700 | 70 | N |
| 84SC140S | 200 | N | N | N | 100 | 200 | N | 15 | 150 | N | 700 | N | <20 | 1,500 | 70 | N |
| 84SC141S | 300 | N | N | N | 200 | 500 | N | 15 | 500 | N | 700 | N | <20 | 1,500 | 20 | N |
| 84SC142S | 150 | N | N | N | 100 | 70 | N | 15 | 100 | N | 1,000 | N | 20 | 700 | 50 | N |
| 84SC143S | 150 | N | N | N | 150 | 200 | N | 15 | 1,500 | N | 1,000 | N | 20 | 1,500 | 20 | N |
| 84SC148 | 150 | N | N | N | 70 | N | N | 20 | N | N | 3,000 | N | 20 | 500 | 20 | N |
| 84SC150S | 1,000 | N | <10 | N | 150 | 50 | N | 15 | 70 | N | 2,000 | N | <20 | 500 | 20 | N |
| 84SC154 | 200 | N | N | N | 200 | 100 | N | 10 | 300 | N | 700 | N | 20 | 700 | 100 | N |
| 84SC156 | 200 | N | N | N | 150 | 70 | N | 15 | N | N | 1,000 | N | 20 | 700 | 30 | N |
| 84SC200 | 300 | N | N | N | 150 | 300 | N | 15 | N | N | 1,500 | N | 20 | 1,000 | N | N |
| 84SC201 | 300 | N | N | N | 300 | 70 | N | 20 | N | N | 1,500 | N | 30 | 1,500 | 30 | N |
| 84SC202 | 200 | N | N | N | 300 | 50 | N | 20 | N | N | 2,000 | N | 20 | 1,500 | 20 | N |
| 84SC203 | 500 | N | N | N | 300 | 100 | N | 15 | 150 | N | 500 | N | 50 | 500 | 50 | N |
| 84SC204 | 300 | N | N | N | 200 | 150 | N | 15 | 200 | N | 1,000 | N | 30 | 1,500 | 30 | N |
| 84SC205 | 200 | N | N | N | 300 | 70 | N | 15 | 70 | <200 | 1,500 | N | 20 | 1,000 | 20 | N |
| 84SC206 | 150 | N | N | N | 150 | 50 | N | 15 | N | N | 2,000 | N | N | 1,000 | 20 | N |
| 84SC207 | 300 | N | N | N | 300 | 70 | N | 15 | N | N | 1,000 | N | 30 | 1,000 | 50 | N |
| 84SC208 | 300 | N | N | N | 300 | 70 | N | 20 | N | N | 2,000 | N | 30 | 1,500 | 30 | N |
| 84SC209 | 300 | N | N | N | 300 | 70 | N | 15 | N | N | 1,500 | N | 30 | 1,500 | 20 | N |
| 84SC210 | 300 | N | N | N | 200 | 70 | N | 15 | N | N | 1,000 | N | 30 | 700 | 30 | N |
| 84SC212 | 50 | N | N | N | 300 | 150 | N | 15 | 100 | N | 1,000 | N | 20 | 1,500 | <20 | N |
| 84SC213 | 300 | N | N | N | 300 | 100 | N | 20 | N | N | 700 | N | 50 | 700 | 50 | N |
| 84SC214 | 700 | N | N | N | 300 | 150 | N | 10 | 70 | N | 700 | N | 30 | 700 | <20 | N |
| 84SC215 | 500 | N | N | N | 150 | 70 | N | 10 | N | N | 1,000 | N | 30 | 700 | 20 | N |
| 84SC216 | 300 | N | N | N | 500 | 100 | N | 10 | 70 | N | 1,000 | N | 30 | 700 | 30 | N |
| 84SC218 | 500 | N | N | N | 200 | 100 | N | 15 | 200 | N | 1,000 | N | 30 | 700 | 30 | N |
| 84SC219 | 200 | N | N | N | 300 | 70 | N | 15 | N | N | 500 | N | 30 | 1,000 | 50 | N |
| 84SC220 | 500 | N | N | N | 300 | 100 | N | 15 | N | N | 700 | N | 30 | 1,000 | 30 | N |
| 84SC221 | 500 | N | N | N | 300 | 100 | N | 10 | 70 | N | 700 | N | 50 | 1,000 | 30 | N |
| 84SC222 | 300 | N | N | N | 300 | 100 | N | 15 | 1,500 | N | 700 | N | 30 | 1,000 | 50 | N |
| 84SC223 | 300 | N | N | N | 300 | 100 | N | 15 | 50 | N | 700 | N | 30 | 1,000 | 50 | N |
| 84SC224 | 200 | N | N | N | 300 | 100 | N | 15 | N | N | 700 | N | 30 | 1,500 | 30 | N |
| 84SC225 | 300 | N | N | N | 150 | 100 | N | 10 | 20 | N | 1,000 | N | <20 | 700 | 30 | N |
| 84SC226 | 500 | N | N | N | 200 | 100 | N | 15 | 200 | N | 1,000 | N | 20 | 1,500 | 20 | N |
| 84SC227 | 700 | N | N | N | 200 | 100 | N | 15 | 50 | N | 1,000 | N | 30 | 1,000 | 30 | N |
| 84SC228S | 150 | N | N | N | 30 | 30 | N | 15 | N | <200 | 2,000 | N | <20 | 500 | 20 | N |
| 84SC229 | 700 | N | N | N | 200 | 100 | N | 10 | 100 | N | 700 | N | 30 | 1,500 | 20 | N |
| 84SC230S | 700 | N | N | N | 300 | 70 | N | 10 | N | N | 1,000 | N | 30 | 1,000 | 50 | N |
| 84SC231 | 1,000 | N | N | N | 300 | 150 | N | <10 | N | N | 1,500 | N | 50 | 1,000 | 30 | N |
| 84SC232S | 1,000 | N | N | N | 700 | 70 | N | <10 | N | N | 700 | N | 30 | 1,500 | 70 | N |
| 84SC233 | 700 | N | N | N | 300 | 100 | N | 10 | N | N | 500 | N | <20 | 700 | 30 | N |
| 84SC234 | 500 | N | N | N | 200 | 100 | N | <10 | 300 | N | 500 | N | <20 | 1,500 | <20 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC235 | 17 45 3 | 64 39 3 | 50 | 1.00 | .70 | .70 | 2,000 | N | N | N | N | 500 | N | N | N | 150 | 500 |
| 84SC236 | 17 45 6 | 64 40 4 | 50 | 1.00 | 1.50 | 2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 100 | 2,000 |
| 84SC239 | 17 43 59 | 64 41 30 | 50 | .70 | 2.00 | 2.00 | 1,500 | N | N | N | 20 | 300 | N | N | N | 50 | 300 |
| 84SC240 | 17 44 5 | 64 41 17 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | 30 | 300 | N | N | N | 100 | 1,500 |
| 84SC240 | 17 44 5 | 64 41 19 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | 30 | 300 | N | N | N | 100 | 1,500 |
| 84SC240S | 17 44 5 | 64 41 17 | 30 | .50 | 3.00 | 3.00 | 1,500 | N | N | N | <20 | 300 | N | N | N | 70 | 300 |
| 84SC240S | 17 44 5 | 64 41 19 | 30 | .50 | 3.00 | 3.00 | 1,500 | N | N | N | <20 | 300 | N | N | N | 70 | 300 |
| 84SC241 | 17 43 10 | 64 41 27 | 50 | 1.50 | 3.00 | >2.00 | 2,000 | N | N | N | N | 150 | N | N | N | 50 | 1,500 |
| 84SC242 | 17 43 13 | 64 40 42 | 50 | 1.00 | .30 | 2.00 | 1,500 | N | N | N | N | 300 | <2 | N | N | 150 | 1,500 |
| 84SC243 | 17 43 22 | 64 41 42 | 50 | 1.00 | 1.00 | >2.00 | 2,000 | N | N | N | N | 300 | N | N | N | 70 | >10,000 |
| 84SC244 | 17 43 8 | 64 41 14 | 30 | 1.00 | 2.00 | >2.00 | 2,000 | N | N | N | N | 300 | N | N | N | 50 | 2,000 |
| 84SC245 | 17 43 46 | 64 40 10 | >50 | .70 | .30 | 1.50 | 1,500 | N | N | N | 20 | 500 | <2 | N | N | 150 | 1,500 |
| 84SC246 | 17 44 37 | 64 40 29 | 15 | 1.00 | 1.50 | 1.50 | 2,000 | N | N | N | N | <50 | N | N | N | N | 150 |
| 84SC247 | 17 44 30 | 64 40 53 | >50 | .70 | .70 | 1.00 | 2,000 | N | N | N | N | 300 | <2 | N | N | 150 | 1,000 |
| 84SC248 | 17 44 34 | 64 40 47 | 50 | .70 | .20 | .70 | 1,500 | N | N | N | N | 700 | 2 | N | N | 150 | 300 |
| 84SC249 | 17 45 31 | 64 40 19 | 50 | 1.50 | .70 | .50 | 2,000 | N | N | N | N | 500 | N | N | N | 150 | 7,000 |
| 84SC250 | 17 44 47 | 64 41 22 | 7 | .70 | 7.00 | .50 | 1,500 | N | N | N | 50 | 700 | <2 | N | N | 20 | N |
| 84SC251 | 17 44 26 | 64 41 39 | 50 | .70 | .70 | 1.50 | 2,000 | N | N | N | N | 300 | N | N | N | 70 | 200 |
| 84SC251S | 17 44 26 | 64 41 39 | 30 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 500 | N | N | N | 70 | 300 |
| 84SC252 | 17 44 28 | 64 41 47 | 50 | .70 | 1.50 | >2.00 | 2,000 | N | N | N | <20 | 300 | N | N | N | 100 | 1,000 |
| 84SC253 | 17 44 43 | 64 42 2 | 50 | .70 | 1.00 | 2.00 | 1,500 | N | N | N | 20 | 500 | N | N | N | 70 | 300 |
| 84SC254 | 17 44 27 | 64 42 4 | 50 | .70 | 2.00 | >2.00 | 2,000 | N | N | N | 30 | 500 | N | N | N | 100 | 300 |
| 84SC255 | 17 44 17 | 64 42 37 | 30 | .70 | 3.00 | >2.00 | 1,000 | N | N | N | 30 | 500 | N | N | N | 30 | 300 |
| 84SC256 | 17 43 54 | 64 42 19 | 30 | .70 | 3.00 | >2.00 | 1,500 | N | N | N | 30 | 500 | N | N | N | 30 | 300 |
| 84SC258 | 17 43 30 | 64 42 13 | >50 | .70 | .70 | 2.00 | 2,000 | N | N | N | N | 500 | N | N | N | 150 | 10,000 |
| 84SC259S | 17 42 38 | 64 42 14 | 30 | .70 | .50 | >2.00 | 2,000 | N | N | N | 30 | 500 | N | N | N | 20 | 500 |
| 84SC260S | 17 46 58 | 64 45 0 | 30 | 1.00 | 1.00 | 2.00 | 2,000 | N | N | N | 50 | 300 | N | N | N | 15 | 300 |
| 84SC261S | 17 46 24 | 64 45 1 | 50 | .50 | .30 | 2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 100 | 500 |
| 84SC262S | 17 46 34 | 64 45 4 | 1 | .70 | .30 | 2.00 | 1,500 | N | N | N | N | 70 | N | N | N | 20 | 300 |
| 84SC263 | 17 46 9 | 64 44 59 | 50 | .70 | 1.00 | 2.00 | 1,500 | N | N | N | N | 70 | N | N | N | 30 | 700 |
| 84SC264S | 17 46 16 | 64 44 25 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 100 | 1,000 |
| 84SC264S | 17 46 13 | 64 44 22 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 100 | 1,000 |
| 84SC267S | 17 41 19 | 64 52 49 | 50 | .70 | .15 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 150 | 700 |
| 84SC268S | 17 41 29 | 64 52 14 | 50 | 1.00 | .30 | >2.00 | 3,000 | N | N | N | N | <50 | N | N | N | 100 | 700 |
| 84SC269S | 17 41 30 | 64 51 47 | 50 | .70 | .20 | >2.00 | 3,000 | N | N | N | N | 300 | N | N | N | 100 | 1,000 |
| 84SC270S | 17 41 33 | 64 50 53 | 20 | .50 | .30 | .70 | 1,000 | N | N | N | <20 | 300 | <2 | N | N | 20 | 200 |
| 84SC271S | 17 41 38 | 64 51 22 | 50 | .70 | .50 | 2.00 | 2,000 | N | N | N | <20 | 300 | N | N | N | 100 | 1,000 |
| 84SC272S | 17 42 6 | 64 50 37 | 30 | .70 | 1.50 | 1.50 | 1,500 | N | N | N | N | 300 | N | N | N | 70 | 300 |
| 84SC274S | 17 41 33 | 64 50 25 | 30 | 1.00 | 1.50 | >2.00 | 2,000 | N | N | N | 20 | 300 | N | N | N | 50 | 500 |
| 84SC275 | 17 42 8 | 64 51 5 | 50 | .70 | 1.00 | 2.00 | 2,000 | N | N | N | N | 500 | N | N | N | 100 | 10,000 |
| 84SC275S | 17 42 8 | 64 51 5 | 30 | 1.00 | 1.00 | >2.00 | 2,000 | N | N | N | N | 500 | N | N | N | 70 | 1,000 |
| 84SC276S | 17 42 0 | 64 52 20 | 50 | 1.00 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 1,500 |
| 84SC277S | 17 41 52 | 64 52 43 | 50 | .70 | .30 | 2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 700 |
| 84SC278S | 17 42 13 | 64 51 46 | 50 | .70 | .70 | >2.00 | 2,000 | N | N | N | N | <50 | N | N | N | 150 | 700 |
| 84SC279S | 17 42 30 | 64 51 9 | 50 | .70 | 1.50 | >2.00 | 1,500 | N | N | N | N | 500 | N | N | N | 100 | 1,000 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC235 | 700 | N | N | N | 300 | 100 | N | 10 | 70 | N | 500 | N | <20 | 500 | 20 | N |
| 84SC236 | 300 | N | N | N | 200 | 100 | N | 10 | 300 | N | 2,000 | N | <20 | 1,000 | <20 | N |
| 84SC239 | 200 | N | N | N | 150 | 200 | N | 10 | 500 | N | 1,000 | N | N | 2,000 | 50 | N |
| 84SC240 | 500 | N | N | N | 300 | 150 | N | 15 | 200 | N | 1,500 | N | 30 | 1,500 | 50 | N |
| 84SC240 | 500 | N | N | N | 300 | 150 | N | 15 | 200 | N | 1,500 | N | 30 | 1,500 | 50 | N |
| 84SC240S | 500 | N | N | N | 100 | <20 | N | 20 | N | N | 2,000 | N | <20 | <500 | 50 | N |
| 84SC240S | 500 | N | N | N | 100 | <20 | N | 20 | N | N | 2,000 | N | <20 | <500 | 50 | N |
| 84SC241 | 150 | N | N | N | 200 | 30 | N | 15 | N | N | 2,000 | N | 30 | 700 | 70 | N |
| 84SC242 | 500 | N | N | N | 500 | 150 | N | 15 | 30 | N | 1,500 | N | 50 | 1,000 | 50 | N |
| 84SC243 | 200 | N | N | N | 200 | 50 | N | 15 | 200 | N | 1,500 | N | 30 | 1,000 | 50 | N |
| 84SC244 | 150 | N | N | N | 150 | 50 | N | 15 | N | 200 | 2,000 | N | 30 | 1,000 | 50 | N |
| 84SC245 | 500 | N | N | N | 500 | 150 | N | 15 | 150 | N | 1,000 | N | 30 | 5,000 | 50 | N |
| 84SC246 | 100 | N | N | N | 50 | <20 | N | N | N | N | 1,500 | N | N | N | N | N |
| 84SC247 | 700 | N | N | N | 300 | 70 | N | 10 | 300 | N | 1,000 | N | 30 | 700 | 50 | N |
| 84SC248 | 500 | N | N | N | 500 | 150 | N | 10 | 500 | N | 700 | N | 20 | 1,500 | 20 | N |
| 84SC249 | 300 | N | N | N | 500 | 100 | N | 10 | 150 | N | 700 | N | N | 1,500 | 50 | N |
| 84SC250 | 100 | <50 | N | N | 10 | 30 | N | 20 | N | 2,000 | 500 | N | 20 | N | 100 | N |
| 84SC251 | 300 | N | 10 | N | 150 | 200 | N | 10 | 150 | N | 700 | N | N | 1,000 | 20 | N |
| 84SC251S | 150 | N | N | N | 50 | 50 | N | 15 | N | N | 2,000 | N | <20 | 1,000 | 70 | N |
| 84SC252 | 300 | N | N | N | 70 | 50 | N | 15 | 70 | N | 2,000 | N | 20 | 700 | 50 | N |
| 84SC253 | 300 | N | N | N | 100 | 300 | N | 10 | 300 | N | 1,000 | N | <20 | 3,000 | 50 | N |
| 84SC254 | 70 | N | N | N | 70 | 100 | N | 15 | 150 | N | 2,000 | N | 20 | 1,500 | 70 | N |
| 84SC255 | 100 | N | N | N | 50 | 30 | N | 15 | 20 | N | 2,000 | N | 20 | 700 | 70 | N |
| 84SC256 | 100 | N | N | N | 50 | 70 | N | 15 | 150 | N | 1,500 | N | 30 | <500 | 100 | N |
| 84SC258 | 300 | N | N | N | 200 | 150 | N | 15 | 500 | N | 2,000 | N | 50 | 1,500 | 50 | N |
| 84SC259S | 70 | N | N | N | 70 | 50 | N | 15 | N | N | 1,500 | N | 20 | 700 | 100 | N |
| 84SC260S | 70 | N | N | N | 20 | 30 | N | 20 | N | N | 1,500 | N | 30 | 700 | 70 | N |
| 84SC261S | 100 | N | N | N | 50 | 70 | N | 10 | 30 | N | 2,000 | N | <20 | 700 | 70 | N |
| 84SC262S | 70 | N | N | N | 15 | 20 | N | 15 | N | N | 1,500 | N | <20 | 700 | 50 | N |
| 84SC263 | 150 | N | N | N | 50 | 70 | N | 10 | N | N | 1,500 | N | <20 | 2,000 | 20 | N |
| 84SC264S | 150 | N | N | N | 70 | 30 | N | 15 | N | N | 2,000 | N | 20 | 700 | <20 | N |
| 84SC264S | 150 | N | N | N | 70 | 30 | N | 15 | N | N | 2,000 | N | 20 | 700 | <20 | N |
| 84SC267S | 200 | N | N | N | 100 | 70 | N | 15 | 100 | N | 1,500 | N | N | 2,000 | 30 | N |
| 84SC268S | 200 | N | N | N | 100 | 50 | N | 15 | 30 | N | 1,500 | N | <20 | 1,000 | 100 | N |
| 84SC269S | 150 | N | N | N | 100 | 100 | N | 10 | 70 | N | 1,500 | N | 30 | 1,000 | 50 | N |
| 84SC270S | 100 | N | N | N | 30 | 70 | N | <10 | N | N | 1,500 | N | 20 | N | 50 | N |
| 84SC271S | 150 | N | N | N | 100 | 100 | N | 10 | 300 | N | 2,000 | N | <20 | 1,500 | 20 | N |
| 84SC272S | 100 | N | N | N | 100 | 700 | N | 10 | 500 | <200 | 1,000 | N | 20 | <500 | 20 | N |
| 84SC274S | 100 | N | N | N | 70 | 70 | N | 15 | N | <200 | 1,500 | N | 30 | 700 | 70 | N |
| 84SC275 | 150 | N | N | N | 150 | 100 | N | 15 | 300 | N | 1,500 | N | 50 | 1,500 | 70 | N |
| 84SC275S | 100 | N | N | N | 70 | 100 | N | 15 | 200 | <200 | 2,000 | N | 20 | 700 | 50 | N |
| 84SC276S | 300 | N | N | N | 150 | 1,000 | N | 15 | 500 | N | 2,000 | N | N | 1,500 | 70 | N |
| 84SC277S | 150 | N | N | N | 150 | 70 | N | 10 | 200 | N | 1,000 | N | N | 2,000 | 20 | N |
| 84SC278S | 100 | N | N | N | 100 | 100 | N | 15 | 300 | N | 1,500 | N | <20 | 1,000 | 100 | N |
| 84SC279S | 150 | N | N | N | 150 | 70 | N | 15 | 200 | <200 | 1,500 | N | 30 | 700 | <20 | N |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Latitude | Longitude | Fe | Mg | Ca | Ti | Mn | Ag | As | Au | B | Ba | Be | Bi | Cd | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC280S | 17 42 35 | 64 50 40 | 50 | .70 | 1.50 | 2.00 | 2,000 | N | N | N | N | 300 | N | N | N | 100 | 1,000 |
| 84SC281S | 17 41 34 | 64 49 27 | 50 | 1.00 | .30 | 2.00 | 2,000 | N | N | N | N | 50 | N | N | N | 150 | 500 |
| 84SC282S | 17 41 53 | 64 49 47 | 50 | .70 | 1.50 | 2.00 | 1,500 | N | N | N | N | 200 | N | N | N | 100 | 700 |
| 84SC283S | 17 42 30 | 64 49 47 | 50 | .70 | 1.00 | 2.00 | 2,000 | N | N | N | N | 300 | N | N | N | 100 | 1,500 |
| 84SC284S | 17 42 38 | 64 50 13 | 30 | 1.00 | 2.00 | >2.00 | 2,000 | N | N | N | N | 200 | N | N | N | 70 | 1,000 |
| 84SC285S | 17 45 23 | 64 41 35 | 50 | .50 | <.10 | .30 | 1,000 | N | N | N | N | 300 | <2 | N | N | 150 | 1,500 |
| 84SC286S | 17 44 24 | 64 40 13 | 50 | .70 | .20 | 1.00 | 1,500 | N | N | N | N | 200 | <2 | N | N | 70 | 300 |
| 84SC287S | 17 43 12 | 64 41 40 | 50 | .30 | .10 | .70 | 1,000 | N | N | N | N | 200 | N | N | N | 50 | 300 |
| 84SC288S | 17 43 26 | 64 41 44 | 50 | .70 | .15 | 1.50 | 1,500 | N | N | N | N | 200 | N | N | N | 50 | >10,000 |
| 84SC289S | 17 43 38 | 64 41 42 | 50 | .70 | .20 | .70 | 2,000 | N | N | N | <20 | 500 | <2 | N | N | 100 | 300 |
| 84SC290S | 17 43 41 | 64 41 36 | 30 | .70 | .50 | 2.00 | 2,000 | N | N | N | <20 | 300 | N | N | N | 150 | 300 |
| 84SC291S | 17 43 49 | 64 41 30 | 50 | .70 | .50 | 2.00 | 2,000 | N | N | N | 20 | 700 | <2 | N | N | 150 | 300 |
| 84SC293S | 17 44 26 | 64 41 31 | 50 | .30 | .20 | .30 | 2,000 | N | N | N | <20 | 300 | N | N | N | 50 | 100 |
| 84SC294S | 17 44 39 | 64 41 46 | 50 | .70 | 1.00 | >2.00 | 2,000 | N | N | N | N | 700 | 2 | N | N | 150 | 700 |
| 84SC295S | 17 44 32 | 64 41 47 | 30 | .50 | 2.00 | >2.00 | 1,500 | N | N | N | N | 200 | 2 | N | N | 30 | 500 |
| 84SC297S | 17 44 8 | 64 41 40 | 50 | .70 | .20 | 1.50 | 2,000 | N | N | N | N | 300 | <2 | N | N | 70 | 300 |
| 84SC298S | 17 44 10 | 64 41 52 | 30 | .70 | .20 | 1.00 | 2,000 | N | N | N | N | 700 | 2 | N | N | 70 | 100 |
| 84SC299 | 17 45 45 | 64 51 2 | >50 | .50 | .50 | .70 | 1,500 | N | N | N | N | 50 | N | N | N | 200 | 1,000 |
| 84SC300 | 17 45 42 | 64 50 41 | 30 | 1.50 | 3.00 | 2.00 | 2,000 | N | N | N | N | 70 | N | N | N | 150 | 500 |

Table 8. Semiquantitative spectrographic analyses of the hand-magnet fraction of heavy-mineral concentrates from the U.S. Virgin Islands.--Continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr | Th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC280S | 150 | N | N | N | 150 | 100 | N | 15 | 150 | N | 1,500 | N | 20 | 1,500 | <20 | N |
| 84SC281S | 150 | N | N | N | 100 | 200 | N | 15 | 200 | N | 1,500 | N | N | 700 | N | N |
| 84SC282S | 100 | N | N | N | 150 | 150 | N | 15 | 50 | N | 1,000 | N | <20 | 1,500 | 30 | N |
| 84SC283S | 100 | N | N | N | 150 | 150 | N | 15 | 500 | N | 1,500 | N | 30 | 2,000 | 50 | N |
| 84SC284S | 100 | N | N | N | 100 | 100 | N | 15 | 50 | <200 | 2,000 | N | 20 | 1,500 | 50 | N |
| 84SC285S | 2,000 | N | N | N | 500 | 200 | N | 10 | N | N | 1,000 | N | <20 | 3,000 | 20 | N |
| 84SC286S | 500 | N | N | N | 300 | 100 | N | 10 | N | N | 1,500 | N | N | 1,000 | 20 | N |
| 84SC287S | 150 | N | N | N | 150 | 100 | N | N | 300 | N | 300 | N | N | 3,000 | <20 | N |
| 84SC288S | 100 | N | N | N | 100 | 70 | N | <10 | N | N | 700 | N | N | 2,000 | 30 | N |
| 84SC289S | 200 | N | N | N | 150 | 100 | N | 10 | N | N | 700 | N | N | 7,000 | <20 | N |
| 84SC290S | 300 | N | N | N | 200 | 70 | N | 10 | N | N | 700 | N | 30 | 700 | 50 | N |
| 84SC291S | 500 | N | N | N | 300 | 100 | N | 15 | N | N | 1,000 | N | 30 | 700 | 20 | N |
| 84SC293S | 300 | N | N | N | 70 | 200 | N | <10 | 500 | N | 200 | N | N | 15,000 | N | N |
| 84SC294S | 200 | N | N | N | 50 | 50 | N | 15 | N | N | 1,500 | N | 20 | 700 | 100 | N |
| 84SC295S | 200 | N | N | N | 30 | 30 | N | 15 | N | N | 1,500 | N | 30 | 700 | 70 | N |
| 84SC297S | 700 | N | N | N | 150 | 100 | N | 10 | N | N | 1,000 | N | 20 | 700 | 50 | N |
| 84SC298S | 300 | N | N | N | 300 | 100 | N | 10 | 70 | N | 700 | N | 30 | 700 | 50 | N |
| 84SC299 | 700 | N | N | N | 150 | 70 | N | 10 | N | N | 500 | N | <20 | 700 | 30 | N |
| 84SC300 | 150 | N | N | N | 20 | <20 | N | 15 | N | 200 | 1,500 | N | N | N | 20 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | 18 20 46 | 64 53 14 | 20.0 | 5.0 | 1.5 | .100 | 5,000 | 500.0 | N | N | 300 | 300 | <2 |
| 83ST002 | 18 20 48 | 64 52 44 | 20.0 | 7.0 | 2.0 | .100 | 7,000 | 10.0 | N | N | 100 | 700 | <2 |
| 83ST003 | 18 20 23 | 64 51 58 | 15.0 | 7.0 | 1.5 | .100 | 7,000 | 20.0 | N | N | 70 | 300 | N |
| 83ST004S | 18 19 15 | 64 50 24 | 15.0 | 7.0 | 1.5 | .070 | 7,000 | 50.0 | N | N | 70 | 200 | N |
| 83ST005S | 18 19 36 | 64 50 13 | 20.0 | 5.0 | 1.5 | .200 | 10,000 | 300.0 | N | N | 500 | 1,000 | N |
| 83ST006S | 18 19 2 | 64 49 40 | 20.0 | 7.0 | 1.0 | .200 | 10,000 | 70.0 | N | N | 500 | 200 | N |
| 83ST007S | 18 18 41 | 64 49 41 | 20.0 | 5.0 | .7 | .070 | 10,000 | 200.0 | N | N | 50 | 500 | N |
| 83ST008S | 18 17 52 | 64 49 2 | 30.0 | 2.0 | .7 | .050 | 1,500 | 50.0 | N | N | 1,000 | <50 | <2 |
| 83ST009S | 18 18 0 | 64 49 25 | 20.0 | 5.0 | .5 | .015 | 10,000 | N | N | N | 100 | 150 | <2 |
| 83ST010S | 18 18 6 | 64 49 34 | 20.0 | 3.0 | 1.5 | .020 | 3,000 | 5.0 | N | N | 200 | 70 | <2 |
| 83ST011S | 18 18 10 | 64 49 44 | 20.0 | 5.0 | .3 | .010 | 7,000 | 10.0 | N | N | 20 | 150 | <2 |
| 83ST012S | 18 18 54 | 64 50 50 | 15.0 | .7 | 3.0 | .050 | 10,000 | N | N | N | 700 | 700 | <2 |
| 83ST013S | 18 18 33 | 64 51 52 | 30.0 | 3.0 | .2 | .050 | 5,000 | 3.0 | N | N | 200 | 1,000 | 2 |
| 83ST014S | 18 18 26 | 64 52 14 | 20.0 | 2.0 | 1.0 | .030 | 10,000 | N | N | N | 1,500 | 1,000 | N |
| 83ST015S | 18 18 24 | 64 52 28 | 20.0 | 5.0 | .7 | .070 | 10,000 | N | N | N | 30 | 1,000 | N |
| 83ST016S | 18 19 47 | 64 56 42 | 20.0 | 5.0 | 3.0 | .070 | 10,000 | 7.0 | N | N | 500 | 700 | N |
| 83ST018S | 18 19 19 | 64 57 7 | 20.0 | 5.0 | .7 | .070 | 10,000 | N | N | N | 30 | 1,000 | 2 |
| 83ST021S | 18 18 27 | 65 0 6 | 20.0 | 5.0 | .5 | .050 | 5,000 | N | N | N | 700 | 70 | <2 |
| 83ST022S | 18 21 15 | 64 59 39 | 15.0 | 5.0 | 2.0 | .150 | 10,000 | N | N | N | 150 | 300 | N |
| 83ST023S | 18 20 47 | 64 58 36 | 20.0 | 7.0 | 1.5 | .150 | 5,000 | 200.0 | N | N | 200 | 700 | N |
| 83ST024S | 18 20 21 | 64 50 42 | 15.0 | 3.0 | 7.0 | .300 | 3,000 | 700.0 | N | N | 700 | 200 | N |
| 83ST025S | 18 21 17 | 64 52 54 | 30.0 | 5.0 | .3 | .300 | 10,000 | N | N | N | 150 | 700 | <2 |
| 83ST026 | 18 21 22 | 64 53 21 | 20.0 | 5.0 | 1.5 | .150 | 7,000 | <1.0 | N | N | <20 | 500 | <2 |
| 83ST027S | 18 21 52 | 64 53 35 | 20.0 | 7.0 | 1.5 | .300 | 10,000 | 7.0 | N | N | 70 | 700 | N |
| 83ST029S | 18 24 7 | 64 54 45 | 30.0 | 7.0 | 1.0 | .200 | 10,000 | N | N | N | N | 700 | <2 |
| 83ST030S | 18 24 35 | 64 54 29 | 30.0 | 5.0 | .7 | .100 | 10,000 | N | N | N | N | 500 | <2 |
| 83ST031S | 18 22 1 | 64 54 24 | 20.0 | 7.0 | 2.0 | .150 | 10,000 | 70.0 | N | N | 20 | 1,500 | <2 |
| 83ST032 | 18 22 37 | 64 55 41 | 20.0 | 5.0 | .7 | .070 | 10,000 | 200.0 | N | N | 70 | 700 | <2 |
| 83ST033 | 18 22 1 | 64 55 15 | 20.0 | 7.0 | 1.5 | .200 | 7,000 | 2.0 | N | N | 50 | 300 | <2 |
| 83ST034 | 18 21 34 | 64 55 39 | 30.0 | 7.0 | 2.0 | .150 | 7,000 | 30.0 | N | N | 500 | 1,000 | N |
| 83ST035 | 18 21 49 | 64 56 14 | 20.0 | 7.0 | 1.5 | .100 | 10,000 | N | N | N | 70 | 1,500 | <2 |
| 83ST036 | 18 22 28 | 64 56 57 | 20.0 | 7.0 | 1.5 | .700 | 7,000 | N | N | N | 150 | 200 | N |
| 83ST037 | 18 22 12 | 64 58 5 | 30.0 | 5.0 | 2.0 | .150 | 10,000 | 300.0 | N | N | N | 700 | N |
| 83ST038 | 18 23 0 | 64 58 8 | 15.0 | 10.0 | 1.0 | .070 | 7,000 | N | N | N | 30 | 200 | N |
| 83ST039 | 18 23 14 | 64 58 21 | 20.0 | 7.0 | 1.5 | .070 | 5,000 | 2.0 | N | N | 30 | 300 | <2 |
| 83ST040 | 18 23 41 | 64 58 8 | 20.0 | 7.0 | 2.0 | .100 | 10,000 | N | N | N | 150 | 300 | 3 |
| 83ST041 | 18 24 5 | 64 58 30 | 15.0 | 7.0 | 2.0 | .100 | 7,000 | N | N | N | <20 | 150 | N |
| 83ST042 | 18 22 24 | 64 58 32 | 15.0 | 7.0 | 2.0 | .070 | 10,000 | 7.0 | N | N | N | 500 | N |
| 83ST043 | 18 22 21 | 64 59 0 | 20.0 | 7.0 | 3.0 | .150 | 10,000 | N | N | N | 70 | 1,000 | N |
| 83ST044S | 18 22 24 | 64 59 27 | 15.0 | 3.0 | 3.0 | .150 | 10,000 | N | N | N | 200 | 1,000 | N |
| 83ST045S | 18 20 4 | 64 56 15 | 20.0 | 2.0 | .5 | .100 | 10,000 | 15.0 | N | N | 300 | 2,000 | 2 |
| 83ST046 | 18 19 42 | 64 56 7 | 20.0 | 7.0 | 1.5 | .100 | 10,000 | N | N | N | 50 | 700 | <2 |
| 83ST047 | 18 16 44 | 64 53 46 | 15.0 | 5.0 | 1.0 | .300 | 3,000 | 10.0 | N | N | 100 | 50 | N |
| 83ST048 | 18 18 39 | 64 53 4 | 15.0 | 7.0 | .3 | .030 | 10,000 | 20.0 | N | N | 70 | 500 | N |
| 83ST049S | 18 18 58 | 64 53 28 | 20.0 | 5.0 | 1.0 | .050 | 10,000 | 20.0 | N | N | 200 | 150 | 2 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST001 | N | N | 150 | 100 | 500 | N | <10 | N | 50 | 200 | N | 20 | N | 300 |
| 83ST002 | N | N | 150 | 150 | 1,000 | N | N | N | 150 | 70 | N | <10 | N | 700 |
| 83ST003 | N | N | 150 | 100 | 500 | N | N | N | 100 | 70 | N | <10 | N | <200 |
| 83ST004S | N | N | 150 | 100 | 700 | N | N | N | 100 | 300 | N | 10 | N | <200 |
| 83ST005S | N | N | 1,000 | 150 | 1,000 | N | 10 | N | 200 | 300 | N | 15 | 50 | <200 |
| 83ST006S | N | N | 500 | 700 | 700 | N | N | N | 200 | 70 | N | 50 | N | N |
| 83ST007S | N | N | 500 | 100 | 300 | N | N | N | 70 | 100 | N | 20 | 70 | <200 |
| 83ST008S | N | N | 30 | 70 | 200 | N | 100 | N | 30 | 500 | N | <10 | 150 | N |
| 83ST009S | N | N | 100 | 100 | 50 | N | 10 | N | 50 | 100 | N | <10 | N | N |
| 83ST010S | N | N | 30 | 50 | 70 | N | 15 | N | 20 | 150 | N | 10 | 30 | 700 |
| 83ST011S | N | N | 150 | 150 | 100 | N | 20 | N | 100 | 70 | N | 15 | N | N |
| 83ST012S | N | N | 150 | 30 | 300 | N | N | N | 50 | 50 | N | <10 | N | 300 |
| 83ST013S | N | N | 150 | 70 | 15,000 | <50 | 100 | N | 150 | 200 | N | 15 | 200 | N |
| 83ST014S | N | N | 1,500 | 700 | 700 | N | 70 | N | 700 | 150 | N | 50 | N | <200 |
| 83ST015S | N | N | 1,500 | 150 | 1,000 | N | 10 | N | 200 | 100 | N | 20 | N | N |
| 83ST016S | N | N | 300 | 70 | 300 | N | N | N | 100 | 100 | N | 20 | N | 500 |
| 83ST018S | N | N | 100 | 70 | 150 | 70 | N | N | 100 | 500 | N | 10 | 70 | 200 |
| 83ST021S | <20 | N | 20 | 100 | 1,000 | N | 10 | N | 50 | 3,000 | N | 15 | 70 | <200 |
| 83ST022S | N | N | 150 | 70 | 500 | N | N | N | 70 | 100 | 300 | 20 | N | <200 |
| 83ST023S | N | N | 100 | 70 | 700 | N | N | N | 70 | 70 | N | 10 | N | <200 |
| 83ST024S | 20 | N | 70 | 100 | 1,000 | N | N | N | 100 | 500 | N | 20 | 100 | 1,000 |
| 83ST025S | N | N | 150 | 150 | 1,000 | N | N | N | 100 | 100 | N | 70 | 20 | N |
| 83ST026 | N | N | 150 | 150 | 700 | N | N | N | 150 | 700 | N | 20 | 200 | 300 |
| 83ST027S | N | N | 300 | 150 | 1,000 | 70 | N | N | 200 | 100 | N | 15 | N | 300 |
| 83ST029S | N | N | 300 | 150 | 700 | <50 | N | N | 150 | 70 | N | 15 | N | N |
| 83ST030S | N | N | 300 | 150 | 700 | N | N | N | 70 | 100 | N | 10 | N | N |
| 83ST031S | N | N | 150 | 70 | 1,000 | N | N | N | 70 | 100 | N | 15 | N | 700 |
| 83ST032 | N | N | 200 | 100 | 700 | 50 | N | N | 70 | 150 | N | 20 | N | N |
| 83ST033 | N | N | 100 | 100 | 700 | N | N | N | 100 | 70 | N | 15 | N | 300 |
| 83ST034 | N | N | 150 | 70 | 700 | N | N | N | 70 | 150 | N | <10 | N | 3,000 |
| 83ST035 | N | N | 150 | 50 | 1,000 | N | N | N | 50 | 150 | N | 30 | N | 500 |
| 83ST036 | N | N | 150 | 100 | 1,000 | N | N | N | 150 | 30 | N | 30 | N | N |
| 83ST037 | N | N | 150 | 20 | 700 | N | N | N | 50 | 100 | N | 30 | N | N |
| 83ST038 | N | N | 100 | 70 | 500 | N | N | N | 100 | <20 | N | 10 | N | 200 |
| 83ST039 | N | N | 100 | 100 | 500 | N | N | N | 150 | 50 | N | 15 | N | N |
| 83ST040 | N | N | 100 | N | 1,500 | N | N | N | 50 | 30 | N | 10 | N | N |
| 83ST041 | N | N | 100 | 50 | 1,000 | N | N | N | 70 | 50 | N | 15 | N | N |
| 83ST042 | N | N | 70 | 20 | 500 | N | N | N | 10 | 20 | N | 20 | N | 1,000 |
| 83ST043 | N | N | 150 | 70 | 1,000 | N | N | N | 100 | 150 | N | 50 | N | 500 |
| 83ST044S | N | N | 500 | 20 | 1,000 | N | N | N | 70 | 70 | N | 70 | N | <200 |
| 83ST045S | N | N | 500 | 20 | 100 | <50 | <10 | N | 50 | 700 | N | 30 | N | <200 |
| 83ST046 | N | N | 200 | 300 | 300 | N | N | N | 300 | 100 | N | 20 | N | <200 |
| 83ST047 | N | N | 100 | 200 | 1,000 | N | N | N | 150 | 70 | N | 20 | 200 | N |
| 83ST048 | 50 | N | 200 | 500 | 2,000 | N | N | N | 300 | 150 | N | 20 | N | N |
| 83ST049S | N | N | 70 | 200 | 200 | N | N | N | 50 | 200 | N | 15 | N | 500 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST001 | 700 | N | 50 | 1,000 | 50 | N |
| 83ST002 | 700 | N | N | 500 | <20 | N |
| 83ST003 | 500 | N | <20 | N | <20 | N |
| 83ST004S | 700 | N | 20 | N | <20 | N |
| 83ST005S | 1,500 | N | <20 | N | 20 | N |
| 83ST006S | 1,500 | N | 20 | N | 30 | N |
| 83ST007S | 1,000 | N | 50 | <500 | 30 | N |
| 83ST008S | 200 | N | N | N | N | N |
| 83ST009S | 200 | N | N | N | N | N |
| 83ST010S | 200 | N | N | 500 | N | N |
| 83ST011S | 500 | N | 20 | 700 | N | N |
| 83ST012S | 500 | N | N | N | N | N |
| 83ST013S | 700 | N | 30 | 20,000 | N | N |
| 83ST014S | 1,500 | N | <20 | N | N | N |
| 83ST015S | 1,000 | N | 20 | N | <20 | N |
| 83ST016S | 2,000 | N | 70 | N | 50 | N |
| 83ST018S | 700 | N | 150 | 500 | 20 | N |
| 83ST021S | 500 | N | 30 | 1,500 | N | N |
| 83ST022S | 1,000 | N | <20 | N | 30 | N |
| 83ST023S | 100 | N | N | N | 30 | N |
| 83ST024S | 500 | N | <20 | 1,000 | 30 | N |
| 83ST025S | 1,500 | N | 50 | <500 | 20 | N |
| 83ST026 | 700 | N | 20 | 700 | <20 | N |
| 83ST027S | 1,500 | N | 50 | N | 70 | N |
| 83ST029S | 1,500 | N | 30 | 500 | 50 | N |
| 83ST030S | 1,500 | N | 20 | N | 30 | N |
| 83ST031S | 1,000 | N | 50 | 500 | 50 | N |
| 83ST032 | 700 | N | 70 | N | 20 | N |
| 83ST033 | 700 | N | N | 500 | 20 | N |
| 83ST034 | 1,000 | N | N | 700 | 20 | N |
| 83ST035 | 1,000 | N | 70 | <500 | 50 | N |
| 83ST036 | 1,000 | N | 30 | N | 30 | N |
| 83ST037 | 1,500 | N | 50 | 500 | 70 | N |
| 83ST038 | 700 | N | N | N | N | N |
| 83ST039 | 1,500 | N | 50 | 500 | 50 | N |
| 83ST040 | 700 | N | N | N | 50 | N |
| 83ST041 | 1,000 | N | 20 | N | 50 | N |
| 83ST042 | 500 | N | N | 700 | <20 | N |
| 83ST043 | 1,000 | N | 50 | 500 | 70 | N |
| 83ST044S | 1,500 | N | 70 | N | 100 | N |
| 83ST045S | 500 | N | 30 | 500 | 30 | N |
| 83ST046 | 1,000 | N | 70 | 500 | 30 | N |
| 83ST047 | 700 | N | 30 | N | N | N |
| 83ST048 | 700 | N | 20 | 700 | N | N |
| 83ST049S | 500 | N | 50 | 1,000 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST050 | 18 19 38 | 64 55 18 | 15.0 | 7.0 | 2.0 | .070 | 5,000 | N | N | N | 50 | 200 | N |
| 83ST051 | 18 19 37 | 64 56 58 | 20.0 | 5.0 | .7 | .050 | 10,000 | 10.0 | N | N | 100 | 300 | <2 |
| 83ST052 | 18 19 48 | 64 57 31 | 15.0 | 5.0 | .5 | .070 | 3,000 | 20.0 | N | N | 50 | 100 | <2 |
| 83ST054 | 18 19 55 | 64 58 21 | 30.0 | 1.5 | 1.5 | .070 | 300 | 700.0 | N | N | 500 | 700 | N |
| 83ST055 | 18 21 0 | 64 59 10 | 15.0 | 7.0 | 2.0 | .150 | 5,000 | 20.0 | N | N | 100 | 200 | N |
| 83ST056 | 18 20 54 | 65 1 54 | 15.0 | 3.0 | 5.0 | .100 | 7,000 | 15.0 | N | N | 50 | 300 | N |
| 83ST057 | 18 21 16 | 65 2 6 | 20.0 | 5.0 | 5.0 | .200 | 10,000 | 15.0 | N | N | 50 | 1,000 | N |
| 83ST058 | 18 20 40 | 65 4 47 | 15.0 | 5.0 | 1.5 | .150 | 7,000 | N | N | N | 20 | 500 | N |
| 83ST059S | 18 20 23 | 65 5 6 | 20.0 | 2.0 | 2.0 | .030 | 10,000 | N | N | N | N | 1,000 | <2 |
| 83ST060S | 18 21 42 | 65 2 49 | 20.0 | 3.0 | 2.0 | .150 | 10,000 | N | N | N | 200 | 1,500 | <2 |
| 83ST061 | 18 21 43 | 65 3 9 | 15.0 | 5.0 | 1.5 | .070 | 10,000 | 5.0 | N | N | 50 | 1,500 | N |
| 83ST062 | 18 22 52 | 65 3 40 | 20.0 | 5.0 | 1.5 | .200 | 10,000 | N | N | N | 150 | 1,000 | N |
| 83ST063 | 18 24 20 | 65 3 36 | 15.0 | 1.5 | 1.5 | .150 | 2,000 | N | N | N | 50 | 200 | N |
| 83ST065 | 18 21 46 | 64 59 37 | 20.0 | 5.0 | 3.0 | .500 | 10,000 | N | N | N | 70 | 300 | N |
| 83ST067 | 18 19 41 | 64 51 14 | 20.0 | 5.0 | .5 | .070 | 10,000 | 5.0 | N | N | 50 | 500 | <2 |
| 83ST068 | 18 19 59 | 64 51 14 | 20.0 | 3.0 | .3 | .070 | 10,000 | N | N | N | 200 | 500 | 2 |
| 83ST069 | 18 19 36 | 64 51 40 | 20.0 | 3.0 | .5 | .070 | 10,000 | N | N | N | 70 | 700 | 2 |
| 83ST070 | 18 19 40 | 64 52 23 | 15.0 | 3.0 | .3 | .070 | 7,000 | N | N | N | 200 | 300 | <2 |
| 83ST071 | 18 19 42 | 64 52 25 | 15.0 | 3.0 | .5 | .070 | 5,000 | N | N | N | 100 | 500 | <2 |
| 83ST072 | 18 19 19 | 64 53 29 | 15.0 | 7.0 | .5 | .070 | 7,000 | 7.0 | N | N | 150 | 150 | N |
| 83ST073 | 18 19 27 | 64 53 28 | 20.0 | 5.0 | .7 | .150 | 10,000 | 7.0 | N | N | 300 | 500 | <2 |
| 83ST074 | 18 20 5 | 64 53 3 | 15.0 | 7.0 | 1.5 | .100 | 5,000 | 7.0 | N | N | 30 | 500 | N |
| 83ST075 | 18 19 44 | 64 53 0 | 20.0 | 3.0 | .5 | .070 | 7,000 | N | N | N | 70 | 200 | <2 |
| 83ST076 | 18 19 34 | 64 54 35 | 20.0 | 7.0 | 1.0 | .070 | 10,000 | 7.0 | N | N | 70 | 300 | <2 |
| 83ST077 | 18 19 12 | 64 54 42 | 20.0 | 7.0 | 1.5 | .070 | 10,000 | N | N | N | 30 | 300 | <2 |
| 83ST078 | 18 19 11 | 64 53 59 | 20.0 | 7.0 | 1.5 | .070 | 7,000 | N | N | N | N | 500 | <2 |
| 83ST079 | 18 19 30 | 64 54 16 | 20.0 | 5.0 | 1.0 | .070 | 10,000 | 7.0 | N | N | 20 | 2,000 | <2 |
| 83ST080 | 18 20 13 | 64 54 30 | 20.0 | 5.0 | 1.5 | .150 | 3,000 | 5.0 | N | N | 200 | 500 | <200,000 |
| 83ST081 | 18 20 18 | 64 54 24 | 15.0 | 5.0 | 1.5 | .070 | 10,000 | N | N | N | 50 | 1,500 | N |
| 83ST082 | 18 20 12 | 64 54 12 | 15.0 | 5.0 | 1.0 | .150 | 10,000 | <1.0 | N | N | 100 | 500 | <2 |
| 83ST083 | 18 20 15 | 64 53 30 | 15.0 | 5.0 | 1.0 | .070 | 3,000 | 2.0 | N | N | N | 300 | N |
| 83ST085 | 18 21 32 | 64 54 30 | 15.0 | 5.0 | 2.0 | .100 | 7,000 | N | N | N | N | 1,000 | <2 |
| 83ST086 | 18 21 17 | 64 55 16 | 20.0 | 2.0 | 1.0 | .200 | 5,000 | 3.0 | N | N | 500 | 700 | 2 |
| 83ST087 | 18 21 43 | 64 56 31 | 20.0 | 3.0 | 3.0 | .100 | 10,000 | <1.0 | N | N | N | 1,500 | <2 |
| 83ST088 | 18 22 11 | 64 57 8 | 15.0 | 5.0 | 1.5 | .150 | 7,000 | N | N | N | 150 | 1,000 | <2 |
| 83ST089 | 18 22 9 | 64 57 38 | 15.0 | 5.0 | 2.0 | .070 | 10,000 | N | N | N | N | 1,500 | N |
| 83ST090 | 18 21 52 | 64 58 35 | 20.0 | 5.0 | 1.5 | .070 | 10,000 | N | N | N | 30 | 2,000 | <2 |
| 83ST091 | 18 21 39 | 65 0 55 | 20.0 | 7.0 | 5.0 | .070 | 10,000 | 3.0 | N | N | 30 | 700 | N |
| 83ST092 | 18 21 32 | 65 1 5 | 20.0 | 5.0 | 3.0 | .200 | 10,000 | N | N | N | 150 | 700 | N |
| 83ST093 | 18 21 4 | 65 1 22 | 15.0 | 3.0 | 5.0 | .100 | 1,000 | N | N | N | 70 | 500 | N |
| 83ST094 | 18 20 45 | 65 1 22 | 15.0 | 5.0 | 3.0 | .100 | 10,000 | 7.0 | N | N | 100 | 700 | N |
| 83ST095S | 18 21 15 | 65 0 10 | 15.0 | 5.0 | 2.0 | .050 | 10,000 | N | N | N | 20 | 500 | N |
| 83ST096 | 18 21 28 | 65 1 55 | 15.0 | 5.0 | 3.0 | .150 | 10,000 | N | N | N | 50 | 1,000 | N |
| 83ST097 | 18 20 44 | 64 56 55 | 20.0 | 7.0 | 3.0 | .100 | 10,000 | 20.0 | N | N | 100 | 700 | <2 |
| 83ST098 | 18 20 49 | 64 57 8 | 15.0 | 7.0 | 2.0 | .070 | 1,000 | N | N | N | N | 700 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST050 | N | N | 100 | 150 | 700 | N | N | N | 100 | 300 | N | 20 | N | 500 |
| 83ST051 | N | N | 70 | 150 | 100 | N | N | N | 70 | 200 | N | 10 | N | N |
| 83ST052 | N | N | 15 | 50 | 50 | N | N | N | 10 | 100 | N | 10 | N | N |
| 83ST054 | N | N | 10 | 50 | 1,000 | N | 100 | N | 50 | 1,000 | N | <10 | N | 500 |
| 83ST055 | N | N | 100 | 100 | 1,000 | N | N | N | 70 | 70 | N | 15 | N | 500 |
| 83ST056 | N | N | 100 | 30 | 500 | N | N | N | 30 | 70 | N | 30 | N | N |
| 83ST057 | N | N | 150 | 50 | 700 | <50 | N | N | 50 | 70 | N | 30 | N | 300 |
| 83ST058 | N | N | 100 | 100 | 500 | N | N | N | 50 | 70 | N | 30 | N | N |
| 83ST059S | N | N | 300 | 150 | 300 | N | N | N | 30 | 100 | N | 30 | N | N |
| 83ST060S | N | N | 150 | 50 | 700 | N | N | N | 50 | 300 | N | 20 | N | 200 |
| 83ST061 | N | N | 300 | <20 | 300 | N | N | N | 30 | 70 | N | 15 | N | N |
| 83ST062 | N | N | 100 | 70 | 50 | N | N | N | 100 | 150 | N | 50 | N | N |
| 83ST063 | N | N | 20 | 150 | 150 | N | N | N | 10 | 70 | N | 10 | N | 300 |
| 83ST065 | N | N | 100 | 50 | 700 | <50 | N | N | 50 | 70 | <200 | 30 | N | N |
| 83ST067 | N | N | 100 | 200 | 300 | N | N | N | 100 | 300 | N | 15 | N | N |
| 83ST068 | N | N | 100 | 150 | 300 | N | N | N | 100 | 150 | N | 15 | N | N |
| 83ST069 | N | N | 100 | 150 | 200 | <50 | N | N | 70 | 150 | N | 15 | N | N |
| 83ST070 | N | N | 70 | 150 | 300 | N | N | N | 70 | 200 | N | 10 | N | N |
| 83ST071 | N | N | 70 | 100 | 200 | N | N | N | 50 | 200 | N | 15 | N | <200 |
| 83ST072 | N | N | 70 | 200 | 500 | N | N | N | 100 | 150 | N | 20 | N | N |
| 83ST073 | N | N | 150 | 200 | 700 | N | 15 | N | 100 | 200 | N | 20 | N | N |
| 83ST074 | N | N | 100 | 100 | 700 | N | N | N | 100 | 150 | N | 15 | N | 500 |
| 83ST075 | N | N | 70 | 100 | 150 | N | N | N | 50 | 150 | N | 20 | N | N |
| 83ST076 | N | N | 150 | 150 | 700 | <50 | N | N | 150 | 100 | N | 30 | N | <200 |
| 83ST077 | N | N | 150 | 500 | 300 | N | N | N | 150 | 100 | N | 20 | N | 500 |
| 83ST078 | N | N | 150 | 300 | 700 | N | N | N | 200 | 200 | N | 20 | N | N |
| 83ST079 | N | N | 150 | 150 | 700 | N | N | N | 200 | 300 | N | 20 | N | N |
| 83ST080 | N | N | 100 | 150 | 700 | N | N | N | 100 | 300 | N | 20 | N | 200 |
| 83ST081 | N | N | 150 | 70 | 700 | N | N | N | 70 | 100 | N | 20 | N | 200 |
| 83ST082 | N | N | 100 | 100 | 700 | N | N | N | 100 | 200 | N | 20 | N | N |
| 83ST083 | N | N | 100 | 70 | 700 | N | N | N | 70 | 50 | N | 10 | N | N |
| 83ST085 | N | N | 200 | 100 | 700 | N | N | N | 150 | 100 | N | 15 | N | 200 |
| 83ST086 | N | N | 100 | 200 | 300 | N | N | N | 70 | 200 | N | 15 | N | N |
| 83ST087 | N | N | 200 | 70 | 500 | N | N | N | 50 | 150 | N | 50 | N | 700 |
| 83ST088 | N | N | 150 | 100 | 500 | N | N | N | 70 | 200 | N | 30 | N | N |
| 83ST089 | N | N | 200 | 70 | 700 | <50 | N | N | 70 | 200 | N | 50 | N | 300 |
| 83ST090 | N | N | 300 | 100 | 700 | <50 | N | N | 70 | 100 | N | 30 | N | 200 |
| 83ST091 | N | N | 200 | 50 | 700 | N | N | N | 70 | 100 | N | 50 | N | N |
| 83ST092 | N | N | 150 | 50 | 700 | <50 | N | N | 50 | 100 | N | 50 | N | N |
| 83ST093 | N | N | 200 | 70 | 700 | N | N | N | 50 | 70 | N | 50 | N | N |
| 83ST094 | N | N | 200 | 70 | 700 | N | N | N | 70 | 70 | N | 50 | N | 200 |
| 83ST095S | N | N | 150 | 70 | 500 | N | N | N | 100 | <20 | N | 30 | N | N |
| 83ST096 | N | N | 150 | 50 | 700 | N | N | N | 50 | 100 | N | 50 | N | <200 |
| 83ST097 | N | N | 200 | 100 | 700 | <50 | N | N | 100 | 300 | N | 20 | N | 300 |
| 83ST098 | N | N | 150 | 70 | 700 | N | N | N | 100 | 70 | N | 20 | N | 300 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST050 | 700 | N | <20 | 1,000 | N | N |
| 83ST051 | 700 | N | 70 | 700 | N | N |
| 83ST052 | 300 | N | 20 | 500 | N | N |
| 83ST054 | 200 | N | N | N | N | N |
| 83ST055 | 1,000 | N | N | 500 | <20 | N |
| 83ST056 | 1,500 | N | 20 | N | 50 | N |
| 83ST057 | 1,500 | N | 50 | <500 | 100 | N |
| 83ST058 | 1,000 | N | 30 | N | 50 | N |
| 83ST059S | 1,500 | N | 50 | N | 70 | N |
| 83ST060S | 1,000 | N | 150 | N | 100 | N |
| 83ST061 | 300 | N | 30 | <500 | 30 | N |
| 83ST062 | 700 | N | 70 | <500 | 100 | N |
| 83ST063 | 500 | N | <20 | N | 50 | N |
| 83ST065 | 1,500 | N | 30 | <500 | 50 | N |
| 83ST067 | 700 | N | 50 | 700 | <20 | N |
| 83ST068 | 700 | N | 50 | 1,000 | <20 | N |
| 83ST069 | 700 | N | 100 | 700 | 20 | N |
| 83ST070 | 700 | N | 50 | 1,000 | N | N |
| 83ST071 | 500 | N | 50 | 1,000 | N | N |
| 83ST072 | 700 | N | 30 | 1,000 | N | N |
| 83ST073 | 1,000 | N | 50 | 1,000 | N | N |
| 83ST074 | 700 | N | N | 700 | N | N |
| 83ST075 | 700 | N | 50 | 700 | <20 | N |
| 83ST076 | 700 | N | 50 | 1,500 | <20 | N |
| 83ST077 | 1,000 | N | 50 | 500 | N | N |
| 83ST078 | 1,000 | N | 20 | 700 | 20 | N |
| 83ST079 | 700 | N | 50 | 700 | <20 | N |
| 83ST080 | 700 | N | 50 | 700 | 20 | N |
| 83ST081 | 700 | N | 50 | 500 | 20 | N |
| 83ST082 | 1,000 | N | 50 | 1,500 | 30 | N |
| 83ST083 | 700 | N | N | 1,000 | N | N |
| 83ST085 | 1,000 | N | <20 | 500 | 20 | N |
| 83ST086 | 1,000 | N | 50 | 1,000 | 50 | N |
| 83ST087 | 1,000 | N | 100 | 1,000 | 50 | N |
| 83ST088 | 700 | N | 50 | 500 | 50 | N |
| 83ST089 | 1,000 | N | 30 | 700 | 50 | N |
| 83ST090 | 2,000 | N | 50 | 700 | 70 | N |
| 83ST091 | 1,500 | N | 50 | 500 | 70 | N |
| 83ST092 | 1,000 | N | 50 | 700 | 70 | N |
| 83ST093 | 1,500 | N | 30 | <500 | 70 | N |
| 83ST094 | 1,500 | N | 50 | 500 | 70 | N |
| 83ST095S | 700 | N | 50 | <500 | 50 | N |
| 83ST096 | 1,500 | N | 70 | 500 | 100 | N |
| 83ST097 | 1,500 | N | N | 500 | 50 | N |
| 83ST098 | 1,000 | N | N | 500 | 30 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST099 | 18 20 58 | 64 57 46 | 20.0 | 7.0 | 3.0 | .070 | 10,000 | 15.0 | N | N | 20 | 700 | N |
| 83ST102S | 18 18 28 | 64 50 0 | 20.0 | 5.0 | .7 | .070 | 10,000 | N | N | N | 20 | 300 | <2 |
| 83ST103S | 18 18 57 | 64 49 55 | 20.0 | 5.0 | .7 | .100 | 10,000 | N | N | N | 150 | 700 | <2 |
| 83ST104S | 18 21 33 | 64 50 21 | 20.0 | 5.0 | 1.5 | .200 | 10,000 | N | N | N | 100 | 1,500 | <2 |
| 83ST105S | 18 21 44 | 64 49 32 | 20.0 | 5.0 | 1.5 | .100 | 10,000 | 3.0 | N | N | 500 | 500 | N |
| 83ST106S | 18 21 43 | 64 49 42 | 20.0 | 3.0 | 1.0 | .100 | 10,000 | 200.0 | N | N | 70 | 1,000 | <2 |
| 83ST108S | 18 21 50 | 64 52 12 | 20.0 | 3.0 | .7 | .700 | 10,000 | N | N | N | 70 | 700 | N |
| 83ST109S | 18 21 34 | 64 51 46 | 1.5 | 3.0 | 2.0 | .100 | 3,000 | 30.0 | N | N | 50 | 1,000 | 2 |
| 83ST110S | 18 20 48 | 64 51 45 | 20.0 | 3.0 | 2.0 | .300 | 10,000 | 7.0 | N | N | 200 | 1,500 | 2 |
| 83ST111S | 18 19 52 | 64 50 47 | 20.0 | 5.0 | 1.0 | .100 | 10,000 | N | N | N | 100 | 1,500 | N |
| 84SJ001 | 18 20 27 | 64 47 22 | 15.0 | 3.0 | 1.0 | .070 | 7,000 | N | N | N | 100 | 200 | <2 |
| 84SJ002 | 18 20 29 | 64 47 6 | 20.0 | 5.0 | 1.0 | .100 | 7,000 | N | N | N | 50 | 150 | <2 |
| 84SJ003 | 18 20 49 | 64 46 51 | 15.0 | 7.0 | 1.5 | .100 | 7,000 | N | N | N | 50 | 150 | N |
| 84SJ004 | 18 20 53 | 64 46 36 | 15.0 | 7.0 | 1.0 | .150 | 7,000 | N | N | N | 20 | 150 | N |
| 84SJ005 | 18 21 8 | 64 46 30 | 15.0 | 7.0 | 1.0 | .200 | 7,000 | 7.0 | N | N | 50 | 300 | N |
| 84SJ006 | 18 21 12 | 64 46 5 | 20.0 | 7.0 | 1.5 | .300 | 10,000 | N | N | N | 30 | 500 | N |
| 84SJ007 | 18 21 12 | 64 45 49 | 15.0 | 7.0 | 1.5 | .100 | 10,000 | 50.0 | N | N | 70 | 500 | N |
| 84SJ008 | 18 21 12 | 64 45 21 | 20.0 | 7.0 | 1.5 | .200 | 10,000 | N | N | N | N | 500 | N |
| 84SJ009 | 18 21 16 | 64 45 9 | 20.0 | 7.0 | 1.5 | .200 | 10,000 | N | N | N | 50 | 700 | N |
| 84SJ010 | 18 21 57 | 64 44 29 | 20.0 | 5.0 | 3.0 | .150 | >10,000 | 15.0 | N | N | 50 | 1,500 | N |
| 84SJ011 | 18 21 57 | 64 44 17 | 20.0 | 5.0 | 2.0 | .500 | >10,000 | 100.0 | N | N | 150 | 1,500 | <2 |
| 84SJ012 | 18 21 54 | 64 43 40 | 20.0 | 5.0 | 5.0 | .500 | 10,000 | 1,000.0 | N | N | 50 | 500 | N |
| 84SJ013 | 18 21 38 | 64 44 6 | 15.0 | 7.0 | 2.0 | .200 | 10,000 | 7.0 | N | N | 30 | 1,500 | N |
| 84SJ014 | 18 21 28 | 64 44 22 | 20.0 | 7.0 | 2.0 | .300 | 7,000 | 300.0 | N | N | 50 | 500 | N |
| 84SJ015 | 18 21 50 | 64 43 6 | 20.0 | 3.0 | 3.0 | .150 | >10,000 | 70.0 | N | N | 70 | 1,000 | N |
| 84SJ016 | 18 21 27 | 64 43 42 | 15.0 | 3.0 | 2.0 | .200 | >10,000 | 200.0 | N | N | 200 | 2,000 | N |
| 84SJ017 | 18 21 15 | 64 43 2 | 20.0 | 7.0 | 1.0 | .500 | >10,000 | 30.0 | N | N | 300 | 500 | <2 |
| 84SJ018 | 18 21 7 | 64 42 48 | 15.0 | 7.0 | 2.0 | .150 | 7,000 | 50.0 | N | N | 20 | 700 | N |
| 84SJ019 | 18 21 20 | 64 42 22 | 15.0 | 5.0 | 1.5 | .200 | 7,000 | 100.0 | N | N | 150 | 700 | N |
| 84SJ020 | 18 21 30 | 64 42 4 | 20.0 | 3.0 | 1.5 | .300 | 5,000 | 500.0 | N | N | 100 | 300 | <2 |
| 84SJ021 | 18 21 4 | 64 43 24 | 15.0 | 5.0 | 1.5 | .100 | >10,000 | 30.0 | N | N | 150 | 1,000 | N |
| 84SJ022 | 18 20 57 | 64 43 29 | 20.0 | 7.0 | .7 | .150 | 10,000 | 20.0 | N | N | 100 | 500 | N |
| 84SJ023 | 18 20 55 | 64 43 27 | 15.0 | 5.0 | 1.0 | .150 | 10,000 | 50.0 | N | N | 100 | 700 | <2 |
| 84SJ024 | 18 20 32 | 64 42 55 | 15.0 | 5.0 | 1.0 | .100 | 10,000 | 50.0 | N | N | 100 | 700 | <2 |
| 84SJ025 | 18 20 42 | 64 43 5 | 15.0 | 5.0 | .7 | .100 | 10,000 | N | N | N | 70 | 1,000 | <2 |
| 84SJ026 | 18 21 29 | 64 41 45 | 20.0 | 3.0 | 1.5 | .200 | 10,000 | N | N | N | 100 | 500 | <2 |
| 84SJ027 | 18 21 33 | 64 41 27 | 20.0 | .3 | 2.0 | .070 | 5,000 | <1.0 | N | N | 200 | <50 | N |
| 84SJ028 | 18 21 9 | 64 40 59 | 20.0 | 3.0 | 3.0 | .200 | 10,000 | <1.0 | N | N | 150 | 700 | 3 |
| 84SJ029 | 18 20 20 | 64 40 23 | 15.0 | 5.0 | 1.5 | .200 | 1,000 | <1.0 | N | N | 200 | 500 | <2 |
| 84SJ030 | 18 20 33 | 64 40 26 | 20.0 | 5.0 | 2.0 | .100 | 10,000 | 1.0 | N | N | 150 | 500 | 5 |
| 84SJ031 | 18 20 43 | 64 40 27 | 15.0 | 3.0 | 2.0 | .100 | >10,000 | 500.0 | N | N | 150 | 1,000 | N |
| 84SJ032 | 18 20 17 | 64 42 49 | 15.0 | 5.0 | 1.5 | .300 | 10,000 | 1,000.0 | N | N | 150 | 700 | 2 |
| 84SJ033 | 18 20 3 | 64 42 31 | 15.0 | 7.0 | 1.5 | .150 | 10,000 | 500.0 | N | N | 50 | 500 | <2 |
| 84SJ034 | 18 19 44 | 64 42 14 | 20.0 | 7.0 | .7 | .070 | >10,000 | 20.0 | N | N | 70 | 300 | N |
| 84SJ035 | 18 19 19 | 64 42 5 | 7.0 | 1.0 | 3.0 | .300 | >10,000 | 300.0 | N | N | 300 | 700 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83ST099 | N | N | 200 | 70 | 700 | N | N | N | 150 | 100 | N | 50 | N | 500 |
| 83ST102S | N | N | 200 | 300 | 500 | N | N | N | 150 | 70 | N | 15 | N | N |
| 83ST103S | N | N | 150 | 200 | 500 | N | N | N | 150 | 2,000 | N | 10 | N | <200 |
| 83ST104S | N | N | 200 | 70 | 1,500 | N | N | N | 200 | 20 | N | <10 | N | 500 |
| 83ST105S | N | N | 200 | 70 | 2,000 | N | 30 | N | 200 | 30 | N | <10 | N | 500 |
| 83ST106S | N | N | 200 | 70 | 700 | N | N | N | 30 | 200 | N | 15 | N | 300 |
| 83ST108S | N | N | 200 | 100 | 700 | N | N | N | 100 | 100 | N | 20 | N | N |
| 83ST109S | N | N | 150 | 50 | 700 | N | N | N | 70 | 100 | N | <10 | N | 700 |
| 83ST110S | N | N | 700 | 200 | 1,500 | 50 | N | N | 200 | 200 | N | 20 | N | 500 |
| 83ST111S | 30 | N | 200 | 20 | 2,000 | <50 | N | N | 70 | 100 | N | 70 | N | 200 |
| 84SJ001 | N | N | 70 | 100 | 700 | N | N | N | 100 | 150 | N | <10 | N | <200 |
| 84SJ002 | N | N | 100 | 150 | 700 | N | N | N | 150 | 150 | N | <10 | N | 300 |
| 84SJ003 | N | N | 150 | 100 | 1,000 | N | N | N | 150 | 20 | N | N | N | 500 |
| 84SJ004 | N | N | 150 | 100 | 700 | N | N | N | 150 | 20 | N | N | N | 300 |
| 84SJ005 | N | N | 100 | 150 | 700 | N | N | N | 150 | 70 | N | <10 | N | N |
| 84SJ006 | N | N | 150 | 100 | 1,000 | N | N | N | 150 | 70 | N | <10 | N | <200 |
| 84SJ007 | N | N | 200 | 100 | 1,000 | N | N | N | 150 | 50 | N | <10 | N | 300 |
| 84SJ008 | N | N | 150 | 150 | 1,000 | N | N | N | 150 | 50 | N | <10 | N | N |
| 84SJ009 | N | N | 150 | 70 | 700 | N | N | N | 100 | 100 | N | 20 | N | <200 |
| 84SJ010 | N | N | 500 | 100 | 1,000 | N | <10 | N | 200 | 100 | N | 15 | N | 500 |
| 84SJ011 | N | N | 200 | 150 | 1,000 | N | N | N | 150 | 100 | N | <10 | N | 500 |
| 84SJ012 | N | N | 100 | 200 | 700 | <50 | N | N | 150 | 200 | N | 15 | N | 500 |
| 84SJ013 | N | N | 200 | 150 | 700 | N | N | N | 150 | 100 | N | 10 | N | 700 |
| 84SJ014 | N | N | 100 | 200 | 3,000 | N | N | N | 150 | 200 | N | 20 | N | <200 |
| 84SJ015 | N | N | 200 | 150 | 1,000 | N | N | N | 150 | 200 | N | 10 | N | 500 |
| 84SJ016 | N | N | 700 | 200 | 1,000 | N | 20 | N | 300 | 200 | N | 20 | N | 1,000 |
| 84SJ017 | N | N | 150 | 50 | 700 | N | N | N | 100 | 300 | N | 30 | N | N |
| 84SJ018 | N | N | 100 | 50 | 1,000 | N | N | N | 70 | 50 | N | <10 | N | 300 |
| 84SJ019 | N | N | 70 | 150 | 300 | N | N | N | 100 | 50 | N | 10 | N | 200 |
| 84SJ020 | N | N | 70 | 200 | 700 | N | N | N | 150 | 300 | N | 15 | N | N |
| 84SJ021 | N | N | 500 | 100 | 500 | N | 15 | N | 150 | 100 | N | 15 | N | 300 |
| 84SJ022 | N | N | 150 | 150 | 500 | N | <10 | N | 200 | 200 | N | 15 | N | 200 |
| 84SJ023 | N | N | 100 | 70 | 1,000 | N | <10 | N | 150 | 200 | N | 15 | N | N |
| 84SJ024 | N | N | 150 | 200 | 700 | N | N | N | 200 | 700 | N | 10 | N | 300 |
| 84SJ025 | N | N | 100 | 150 | 500 | N | N | N | 150 | 150 | N | 15 | N | N |
| 84SJ026 | N | N | 70 | 100 | 500 | N | N | N | 150 | 70 | N | <10 | N | 500 |
| 84SJ027 | N | N | <10 | 150 | 150 | N | N | N | 300 | 100 | N | N | N | N |
| 84SJ028 | N | N | 100 | 50 | 1,000 | N | N | N | 150 | 70 | N | 10 | N | 300 |
| 84SJ029 | N | N | 100 | 200 | 1,000 | N | 15 | N | 300 | 150 | 500 | 15 | 30 | N |
| 84SJ030 | N | N | 70 | 150 | 200 | <50 | N | N | 150 | 300 | N | <10 | N | 300 |
| 84SJ031 | N | N | 500 | 200 | 500 | N | 10 | N | 300 | 100 | N | 10 | N | 500 |
| 84SJ032 | N | N | 150 | 200 | 500 | N | 10 | N | 200 | 300 | N | 10 | N | 300 |
| 84SJ033 | N | N | 150 | 150 | 1,000 | N | N | N | 200 | 100 | N | 15 | N | <200 |
| 84SJ034 | N | N | 200 | 200 | 1,000 | N | N | N | 200 | 50 | N | 20 | N | <200 |
| 84SJ035 | N | N | 100 | 500 | 700 | <50 | 20 | N | 300 | 150 | N | <10 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 83ST099 | 1,500 | N | 30 | <500 | 50 | N |
| 83ST102S | 1,000 | N | 50 | 500 | 30 | N |
| 83ST103S | 1,000 | N | 50 | 700 | 20 | N |
| 83ST104S | 700 | N | N | N | N | N |
| 83ST105S | 700 | N | N | 500 | N | N |
| 83ST106S | 2,000 | N | 30 | 500 | <20 | N |
| 83ST108S | 1,500 | N | 20 | N | N | N |
| 83ST109S | 700 | N | N | N | N | N |
| 83ST110S | 1,000 | N | 50 | 500 | 50 | N |
| 83ST111S | 1,500 | N | 70 | 1,000 | <20 | N |
| 84SJ001 | 1,500 | N | 20 | 700 | 20 | N |
| 84SJ002 | 1,500 | N | <20 | 1,000 | <20 | N |
| 84SJ003 | 1,000 | N | N | 500 | N | N |
| 84SJ004 | 1,000 | N | N | 500 | N | N |
| 84SJ005 | 1,000 | N | <20 | 1,000 | N | N |
| 84SJ006 | 1,000 | N | <20 | 700 | N | N |
| 84SJ007 | 1,000 | N | N | 500 | N | N |
| 84SJ008 | 1,000 | N | N | 700 | N | N |
| 84SJ009 | 1,500 | N | 30 | 1,000 | N | N |
| 84SJ010 | 2,000 | N | <20 | 500 | N | N |
| 84SJ011 | 3,000 | N | N | 700 | N | N |
| 84SJ012 | 2,000 | N | 30 | 1,500 | N | N |
| 84SJ013 | 2,000 | N | N | 700 | N | N |
| 84SJ014 | 1,500 | N | 30 | 1,000 | N | N |
| 84SJ015 | 2,000 | N | 20 | 700 | N | N |
| 84SJ016 | 700 | N | 30 | 5,000 | <20 | N |
| 84SJ017 | 700 | N | 50 | 2,000 | N | N |
| 84SJ018 | 1,000 | N | N | 700 | N | N |
| 84SJ019 | 1,000 | N | N | 700 | N | N |
| 84SJ020 | 1,500 | N | 50 | 1,500 | N | N |
| 84SJ021 | 2,000 | N | 30 | 700 | N | N |
| 84SJ022 | 1,500 | N | 70 | 1,000 | <20 | N |
| 84SJ023 | 1,000 | N | 50 | 1,000 | N | N |
| 84SJ024 | 1,000 | N | 50 | 2,000 | N | N |
| 84SJ025 | 1,000 | N | 30 | 700 | N | N |
| 84SJ026 | 1,000 | N | N | 1,000 | N | N |
| 84SJ027 | 300 | N | N | 10,000 | N | N |
| 84SJ028 | 1,000 | N | N | 1,500 | N | N |
| 84SJ029 | 1,000 | N | 50 | 2,000 | N | N |
| 84SJ030 | 1,500 | N | 70 | 1,500 | 30 | N |
| 84SJ031 | 1,000 | N | 30 | 1,000 | N | N |
| 84SJ032 | 1,000 | N | 70 | 1,500 | 20 | N |
| 84SJ033 | 1,000 | N | 50 | 1,500 | <20 | N |
| 84SJ034 | 1,000 | N | 30 | 700 | N | N |
| 84SJ035 | 500 | N | N | 20,000 | <20 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ036 | 18 19 10 | 64 42 23 | 10.0 | 5.0 | 1.5 | .150 | >10,000 | 50.0 | N | N | 300 | 500 | N |
| 84SJ038 | 18 19 15 | 64 43 9 | 15.0 | 3.0 | .7 | .070 | 10,000 | 100.0 | N | N | 100 | 300 | <2 |
| 84SJ039 | 18 19 46 | 64 43 4 | 20.0 | 5.0 | 1.5 | .150 | 10,000 | 700.0 | N | N | 100 | 500 | N |
| 84SJ040 | 18 19 50 | 64 43 5 | 20.0 | 7.0 | 1.0 | .150 | 10,000 | 20.0 | N | N | 50 | 1,500 | 3 |
| 84SJ041 | 18 19 49 | 64 43 11 | 15.0 | 5.0 | 1.5 | .070 | >10,000 | N | N | N | 50 | 1,000 | 3 |
| 84SJ042 | 18 19 39 | 64 43 20 | 20.0 | 5.0 | 1.0 | .070 | 10,000 | 100.0 | N | N | 200 | 700 | 2 |
| 84SJ043 | 18 19 32 | 64 43 18 | 15.0 | 5.0 | .7 | .050 | 10,000 | 150.0 | N | N | 200 | 300 | 2 |
| 84SJ044 | 18 19 24 | 64 44 4 | 20.0 | 5.0 | .7 | .070 | 7,000 | 5.0 | N | N | 100 | 150 | <2 |
| 84SJ045 | 18 19 24 | 64 43 50 | 15.0 | 5.0 | .7 | .070 | 10,000 | 7.0 | N | N | 100 | 500 | N |
| 84SJ046 | 18 19 26 | 64 43 44 | 15.0 | 5.0 | .7 | .050 | 5,000 | 10.0 | N | N | 100 | 150 | <2 |
| 84SJ048 | 18 19 39 | 64 45 57 | 15.0 | 2.0 | 2.0 | .070 | >10,000 | 7.0 | N | N | 200 | 500 | <2 |
| 84SJ049 | 18 19 44 | 64 45 48 | 20.0 | 5.0 | 1.5 | .070 | >10,000 | 5.0 | N | N | 100 | 700 | N |
| 84SJ050 | 18 19 35 | 64 45 30 | 15.0 | 5.0 | 1.0 | .070 | 10,000 | N | N | N | 100 | 300 | <2 |
| 84SJ051 | 18 19 29 | 64 45 27 | 20.0 | 5.0 | .7 | .070 | 10,000 | 1.5 | N | N | 70 | 500 | <2 |
| 84SJ053 | 18 20 27 | 64 45 32 | 20.0 | 5.0 | 2.0 | .100 | 10,000 | 3.0 | N | N | 20 | 500 | <2 |
| 84SJ054 | 18 20 29 | 64 45 34 | 20.0 | 5.0 | 2.0 | .200 | 7,000 | 15.0 | N | N | 30 | 500 | <2 |
| 84SJ055 | 18 20 19 | 64 45 36 | 20.0 | 3.0 | 2.0 | .100 | >10,000 | N | N | N | N | 1,000 | <2 |
| 84SJ056 | 18 20 21 | 64 45 41 | 20.0 | 5.0 | 1.5 | .150 | 10,000 | N | N | N | N | 700 | <2 |
| 84SJ057 | 18 20 7 | 64 45 42 | 20.0 | 3.0 | 1.5 | .100 | 10,000 | 3.0 | N | N | N | 500 | N |
| 84SJ058 | 18 20 4 | 64 45 51 | 20.0 | 3.0 | .7 | .100 | 10,000 | N | N | N | 20 | 700 | 2 |
| 84SJ059 | 18 19 22 | 64 46 48 | 20.0 | 7.0 | 1.5 | .100 | 7,000 | <1.0 | N | N | 20 | 300 | N |
| 84SJ070 | 18 20 39 | 64 46 18 | 20.0 | 7.0 | 1.5 | .150 | 10,000 | 300.0 | N | N | <20 | 500 | N |
| 84SJ071 | 18 20 32 | 64 46 7 | 20.0 | 5.0 | 1.0 | .100 | 10,000 | 7.0 | N | N | N | 700 | N |
| 84SJ072 | 18 20 43 | 64 45 40 | 20.0 | 5.0 | .7 | .200 | 5,000 | 20.0 | N | N | 50 | 300 | <2 |
| 84SJ073 | 18 20 20 | 64 46 22 | 7.0 | 5.0 | 2.0 | .100 | 7,000 | N | N | N | N | 500 | N |
| 84SJ074 | 18 20 9 | 64 46 13 | 20.0 | 5.0 | 1.5 | .070 | 10,000 | N | N | N | 20 | 700 | 3 |
| 84SJ075 | 18 20 5 | 64 46 16 | 20.0 | 5.0 | 1.5 | .050 | 10,000 | N | N | N | N | 700 | 3 |
| 84SJ076 | 18 20 4 | 64 46 37 | 20.0 | 5.0 | 1.0 | .070 | 10,000 | N | N | N | 50 | 1,000 | <2 |
| 84SJ077 | 18 20 7 | 64 46 36 | 15.0 | 5.0 | 1.5 | .070 | 7,000 | 2.0 | N | N | 50 | 200 | N |
| 84SJ078 | 18 19 47 | 64 46 40 | 15.0 | 5.0 | 1.5 | .070 | 7,000 | 7.0 | N | N | 50 | 300 | N |
| 84SJ079 | 18 20 10 | 64 47 27 | 20.0 | 5.0 | 1.0 | .100 | 7,000 | 30.0 | N | N | 100 | 300 | N |
| 84SJ081 | 18 20 50 | 64 44 31 | 15.0 | 5.0 | 1.0 | .100 | 10,000 | N | N | N | 30 | 300 | <2 |
| 84SJ082 | 18 20 51 | 64 44 32 | 15.0 | 5.0 | 1.0 | .100 | 10,000 | N | N | N | N | 700 | 2 |
| 84SJ083 | 18 20 31 | 64 44 27 | 20.0 | 5.0 | 1.0 | .100 | 10,000 | N | N | N | N | 700 | 2 |
| 84SJ084 | 18 20 28 | 64 44 30 | 20.0 | 3.0 | 1.0 | .100 | 10,000 | 10.0 | N | N | 20 | 500 | <2 |
| 84SJ085 | 18 20 14 | 64 44 23 | 20.0 | 5.0 | .7 | .100 | >10,000 | <1.0 | N | N | 70 | 700 | <2 |
| 84SJ086 | 18 19 58 | 64 44 23 | 20.0 | 5.0 | .7 | .070 | >10,000 | 15.0 | N | N | 50 | 1,000 | N |
| 84SJ087 | 18 19 44 | 64 44 27 | 20.0 | 5.0 | .7 | .100 | 10,000 | 7.0 | N | N | 70 | 500 | <2 |
| 84SJ088 | 18 21 17 | 64 47 36 | 15.0 | 3.0 | 1.5 | .150 | 10,000 | N | N | N | 70 | 2,000 | N |
| 84SJ089 | 18 21 28 | 64 47 24 | 20.0 | 2.0 | .7 | .200 | 5,000 | 2.0 | N | N | N | 300 | N |
| 84SJ090 | 18 21 45 | 64 48 31 | 20.0 | 3.0 | 3.0 | .070 | >10,000 | 30.0 | N | N | 50 | 1,000 | N |
| 84SJ091 | 18 21 38 | 64 49 0 | 20.0 | 2.0 | 1.5 | .100 | >10,000 | 500.0 | N | N | N | 1,000 | N |
| 84SJ092 | 18 21 41 | 64 49 16 | 15.0 | 3.0 | 1.5 | .100 | >10,000 | N | N | N | 200 | 2,000 | <2 |
| 84SJ093 | 18 21 43 | 64 49 31 | 20.0 | 3.0 | 1.5 | .100 | 7,000 | N | N | N | 150 | 300 | N |
| 84SJ094 | 18 22 9 | 64 48 25 | 15.0 | 3.0 | 1.5 | .100 | 5,000 | 20.0 | N | N | 150 | 1,000 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ036 | N | N | 300 | 500 | 1,000 | N | 20 | N | 300 | 300 | N | <10 | N | N |
| 84SJ038 | N | N | 70 | 200 | 500 | N | N | N | 150 | 100 | N | <10 | N | N |
| 84SJ039 | N | N | 100 | 150 | 700 | N | N | N | 150 | 100 | N | 15 | N | 200 |
| 84SJ040 | N | N | 150 | 200 | 300 | N | N | N | 200 | 200 | N | 10 | N | N |
| 84SJ041 | N | N | 200 | 100 | 700 | N | N | N | 200 | 300 | N | <10 | N | 200 |
| 84SJ042 | N | N | 150 | 200 | 300 | N | N | N | 200 | 300 | N | <10 | N | 200 |
| 84SJ043 | N | N | 100 | 200 | 200 | N | N | N | 150 | 150 | N | <10 | N | N |
| 84SJ044 | N | N | 70 | 300 | 300 | N | N | N | 150 | 100 | N | <10 | N | N |
| 84SJ045 | N | N | 70 | 150 | 500 | N | N | N | 150 | 150 | N | 10 | N | <200 |
| 84SJ046 | N | N | 70 | 200 | 200 | N | N | N | 150 | 100 | N | <10 | N | N |
| 84SJ048 | N | N | 150 | 150 | 300 | <50 | 15 | N | 500 | 100 | N | 10 | 70 | 200 |
| 84SJ049 | N | N | 200 | 200 | 500 | N | N | N | 200 | 100 | N | 15 | 20 | 200 |
| 84SJ050 | N | N | 150 | 200 | 500 | N | N | N | 200 | 70 | N | 10 | N | 200 |
| 84SJ051 | N | N | 70 | 150 | 2,000 | N | <10 | N | 150 | 300 | N | 10 | N | 200 |
| 84SJ053 | N | N | 100 | 150 | 300 | N | N | N | 100 | 70 | N | <10 | N | <200 |
| 84SJ054 | N | N | 150 | 200 | 500 | N | N | N | 150 | 200 | N | <10 | N | 200 |
| 84SJ055 | N | N | 300 | 100 | 300 | N | N | N | 150 | 100 | N | <10 | N | 200 |
| 84SJ056 | N | N | 150 | 150 | 500 | N | N | N | 150 | 70 | N | 10 | N | N |
| 84SJ057 | N | N | 200 | 150 | 500 | N | N | N | 200 | 70 | N | 10 | N | N |
| 84SJ058 | N | N | 150 | 150 | 300 | N | N | N | 150 | 70 | N | 10 | N | N |
| 84SJ059 | N | N | 150 | 150 | 700 | N | N | N | 200 | 100 | N | 10 | N | 500 |
| 84SJ070 | N | N | 150 | 150 | 700 | N | N | N | 150 | 70 | N | 10 | N | 200 |
| 84SJ071 | N | N | 200 | 150 | 300 | N | N | N | 150 | 200 | N | <10 | N | 200 |
| 84SJ072 | N | N | 150 | 200 | 500 | N | N | N | 150 | 200 | N | 10 | N | N |
| 84SJ073 | N | N | 100 | 150 | 500 | N | N | N | 100 | 70 | N | <10 | N | 700 |
| 84SJ074 | N | N | 150 | 200 | 500 | N | N | N | 150 | 100 | N | 10 | N | N |
| 84SJ075 | N | N | 150 | 200 | 500 | N | N | N | 150 | 100 | N | <10 | N | N |
| 84SJ076 | N | N | 200 | 150 | 500 | N | N | N | 150 | 100 | N | <10 | N | 300 |
| 84SJ077 | N | N | 100 | 150 | 500 | N | N | N | 100 | 70 | N | <10 | N | 200 |
| 84SJ078 | N | N | 150 | 150 | 700 | N | N | N | 150 | 70 | N | <10 | N | N |
| 84SJ079 | N | N | 150 | 200 | 700 | N | N | N | 200 | 200 | N | N | N | 300 |
| 84SJ081 | N | N | 70 | 100 | 500 | N | N | N | 150 | 100 | N | 15 | N | N |
| 84SJ082 | N | N | 100 | 70 | 500 | N | N | N | 150 | 150 | N | 20 | N | <200 |
| 84SJ083 | N | N | 100 | 70 | 700 | N | N | N | 150 | 100 | N | 15 | N | N |
| 84SJ084 | N | N | 150 | 100 | 500 | N | N | N | 150 | 300 | N | 10 | N | <200 |
| 84SJ085 | N | N | 150 | 70 | 700 | N | N | N | 150 | 150 | N | 10 | N | N |
| 84SJ086 | N | N | 150 | 100 | 1,000 | N | <10 | N | 200 | 300 | N | 10 | N | 300 |
| 84SJ087 | N | N | 100 | 150 | 500 | N | N | N | 200 | 70 | N | 10 | N | 200 |
| 84SJ088 | N | N | 200 | 150 | 700 | N | N | N | 200 | 200 | N | 10 | 70 | 500 |
| 84SJ089 | N | N | 50 | 150 | 300 | N | N | N | 100 | 70 | N | <10 | N | <200 |
| 84SJ090 | N | N | 300 | 50 | 700 | N | N | N | 150 | 150 | N | <10 | N | 700 |
| 84SJ091 | N | N | 700 | 70 | 1,000 | N | N | N | 150 | 300 | N | 20 | N | 300 |
| 84SJ092 | N | N | 500 | 50 | 500 | N | N | N | 150 | 500 | N | N | N | 2,000 |
| 84SJ093 | N | N | 200 | 70 | 1,500 | N | N | N | 200 | <20 | N | N | N | 700 |
| 84SJ094 | N | N | 50 | 20 | 300 | N | N | N | 50 | 20 | N | N | N | 500 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ036 | 500 | N | N | 10,000 | N | N |
| 84SJ038 | 700 | N | 70 | 1,000 | 20 | N |
| 84SJ039 | 1,500 | N | 30 | 700 | N | N |
| 84SJ040 | 700 | N | 50 | 1,500 | <20 | N |
| 84SJ041 | 700 | N | 50 | 2,000 | 20 | N |
| 84SJ042 | 1,000 | N | 100 | 1,000 | 30 | N |
| 84SJ043 | 700 | N | 70 | 1,500 | 20 | N |
| 84SJ044 | 1,000 | N | 30 | 1,500 | 20 | N |
| 84SJ045 | 1,000 | N | 50 | 700 | 20 | N |
| 84SJ046 | 1,000 | N | 30 | 1,000 | N | N |
| 84SJ048 | 300 | N | 20 | 7,000 | N | N |
| 84SJ049 | 1,500 | N | 50 | 700 | 20 | N |
| 84SJ050 | 1,000 | N | 30 | 700 | 20 | N |
| 84SJ051 | 1,500 | N | 50 | 2,000 | 20 | N |
| 84SJ053 | 1,500 | N | N | 700 | 20 | N |
| 84SJ054 | 1,500 | N | N | 1,000 | 20 | N |
| 84SJ055 | 1,500 | N | 20 | 1,000 | 30 | N |
| 84SJ056 | 2,000 | N | 20 | 1,000 | 30 | N |
| 84SJ057 | 1,500 | N | 20 | 700 | <20 | N |
| 84SJ058 | 1,000 | N | 50 | 1,000 | <20 | N |
| 84SJ059 | 700 | N | <20 | 700 | <20 | N |
| 84SJ070 | 1,000 | N | <20 | 500 | <20 | N |
| 84SJ071 | 1,500 | N | 20 | 700 | N | N |
| 84SJ072 | 1,500 | N | 20 | 1,000 | <20 | N |
| 84SJ073 | 1,000 | N | N | 700 | 20 | N |
| 84SJ074 | 1,500 | N | 50 | 1,000 | 20 | N |
| 84SJ075 | 1,500 | N | 50 | 1,000 | 20 | N |
| 84SJ076 | 1,500 | N | 50 | 700 | 20 | N |
| 84SJ077 | 1,000 | N | N | 500 | N | N |
| 84SJ078 | 1,000 | N | N | 700 | N | N |
| 84SJ079 | 1,500 | N | <20 | 1,000 | 20 | N |
| 84SJ081 | 700 | N | 20 | 1,500 | N | N |
| 84SJ082 | 700 | N | 50 | 1,500 | N | N |
| 84SJ083 | 1,000 | N | 50 | 1,500 | N | N |
| 84SJ084 | 1,000 | N | 50 | 1,500 | <20 | N |
| 84SJ085 | 1,000 | N | 70 | 1,500 | N | N |
| 84SJ086 | 700 | N | 50 | 1,500 | <20 | N |
| 84SJ087 | 700 | N | 70 | 1,000 | 20 | N |
| 84SJ088 | 1,000 | N | 20 | 1,500 | N | N |
| 84SJ089 | 1,500 | N | N | 1,000 | N | N |
| 84SJ090 | 700 | N | N | 700 | N | N |
| 84SJ091 | 1,500 | N | 30 | 500 | 30 | N |
| 84SJ092 | 700 | N | N | 2,000 | N | N |
| 84SJ093 | 500 | N | N | 700 | N | N |
| 84SJ094 | 500 | N | N | 1,000 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. | Mg-pct. | Ca-pct. | Ti-pct. | Mn-ppm | Ag-ppm | As-ppm | Au-ppm | B-ppm | Ba-ppm | Be-ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | s | s | s | s | s | s | s | s | s | s | s |
| 84SJ096 | 18 22 18 | 64 45 26 | 15.0 | 3.0 | 1.5 | .070 | >10,000 | N | N | N | 150 | 1,000 | N |
| 84SJ097 | 18 22 13 | 64 44 55 | 20.0 | 3.0 | 3.0 | .150 | >10,000 | 100.0 | N | N | 150 | 1,000 | N |
| 84SJ098 | 18 22 21 | 64 44 20 | 20.0 | 3.0 | 2.0 | .100 | 10,000 | 200.0 | N | N | 150 | 1,000 | N |
| 84SJ099 | 18 22 3 | 64 43 5 | 15.0 | 3.0 | 2.0 | .150 | >10,000 | N | N | N | 200 | 1,500 | N |
| 84SJ100 | 18 21 44 | 64 42 32 | 15.0 | 3.0 | 2.0 | .100 | >10,000 | N | N | N | 150 | 2,000 | N |
| 84SJ101 | 18 20 58 | 64 41 11 | 20.0 | 3.0 | 1.5 | .100 | 7,000 | 200.0 | N | N | 200 | 300 | N |
| 84SJ102 | 18 20 49 | 64 41 27 | 20.0 | 3.0 | 1.0 | .070 | 10,000 | 3.0 | N | N | 200 | 700 | N |
| 84SJ103 | 18 20 18 | 64 40 6 | 20.0 | 3.0 | 1.0 | .100 | >10,000 | 200.0 | N | N | 200 | 1,000 | 2 |
| 84SJ104 | 18 20 44 | 64 40 10 | 20.0 | 3.0 | 1.5 | .100 | >10,000 | <1.0 | N | N | 200 | 1,500 | 2 |
| 84SJ105 | 18 21 48 | 64 41 43 | 20.0 | 3.0 | 2.0 | .150 | >10,000 | <1.0 | N | N | 200 | 1,500 | N |
| 84SJ106 | 18 18 59 | 64 43 15 | 20.0 | 5.0 | 2.0 | .070 | >10,000 | 50.0 | N | N | 150 | 1,000 | N |
| 84SJ107 | 18 18 40 | 64 42 36 | 20.0 | 5.0 | 1.5 | .070 | 5,000 | 5.0 | N | N | 150 | 200 | N |
| 84SJ108 | 18 18 22 | 64 42 13 | 20.0 | 5.0 | 2.0 | .100 | >10,000 | 15.0 | N | N | 100 | 700 | N |
| 84SJ109 | 18 19 8 | 64 41 21 | 15.0 | 3.0 | 1.5 | .100 | 5,000 | N | N | N | 100 | 150 | N |
| 84SJ110 | 18 19 43 | 64 39 5 | 20.0 | 2.0 | .7 | .100 | 7,000 | 7.0 | N | N | 150 | 70 | N |
| 84SJ200 | 18 20 46 | 64 44 59 | 20.0 | 2.0 | 1.5 | .100 | >10,000 | N | N | N | N | 1,000 | 2 |
| 84SJ201 | 18 20 47 | 64 44 56 | 20.0 | 2.0 | 1.5 | .070 | 10,000 | <1.0 | N | N | N | 700 | 3 |
| 84SJ202 | 18 20 40 | 64 44 52 | 20.0 | 3.0 | 1.5 | .050 | >10,000 | 5.0 | N | N | 30 | 1,000 | 5 |
| 84SJ203 | 18 20 35 | 64 44 59 | 20.0 | 3.0 | 2.0 | .150 | 10,000 | N | N | N | 50 | 1,000 | <2 |
| 84SJ205 | 18 20 22 | 64 44 48 | 20.0 | 3.0 | 3.0 | .070 | >10,000 | 7.0 | N | N | 50 | 1,500 | 5 |
| 84SJ206 | 18 20 14 | 64 44 52 | 20.0 | 3.0 | 2.0 | .100 | 10,000 | N | N | N | 70 | 1,000 | 3 |
| 84SJ207 | 18 19 38 | 64 44 56 | 15.0 | 5.0 | 1.5 | .100 | 10,000 | N | N | N | 150 | 300 | N |
| 84SJ601 | 18 19 43 | 64 46 23 | 15.0 | 2.0 | 2.0 | .100 | >10,000 | N | N | N | 100 | 1,500 | <2 |
| 84SJ605 | 18 19 47 | 64 45 55 | 15.0 | 3.0 | .5 | .100 | 10,000 | N | N | N | 150 | 300 | 3 |
| 84SJ606 | 18 21 14 | 64 45 13 | 15.0 | 7.0 | .7 | .100 | 3,000 | N | N | N | 30 | 200 | N |
| 84SJ608 | 18 21 27 | 64 44 54 | 7.0 | 1.5 | 2.0 | .100 | 3,000 | N | N | N | 70 | 500 | N |
| 84SJ613 | 18 21 57 | 64 43 12 | 10.0 | 5.0 | .7 | .070 | 2,000 | 1.0 | N | N | 300 | 1,500 | <2 |
| 84SJ614 | 18 21 35 | 64 44 16 | 10.0 | 5.0 | 2.0 | .200 | 10,000 | 3.0 | N | N | 70 | 1,000 | <2 |
| 84SJ622 | 18 20 19 | 64 47 36 | 20.0 | 5.0 | 1.0 | .070 | 10,000 | N | N | N | 50 | 300 | <2 |
| 84SJ625 | 18 20 3 | 64 47 1 | 20.0 | 5.0 | 1.0 | .050 | 7,000 | <1.0 | N | N | 50 | 300 | 2 |
| 84SJ629 | 18 19 38 | 64 47 39 | 20.0 | 5.0 | 1.0 | .050 | 10,000 | N | N | N | 20 | 700 | N |
| 84SJ631 | 18 19 10 | 64 47 23 | 50.0 | .7 | .7 | .150 | 2,000 | <1.0 | N | N | 70 | 5,000 | <2 |
| 84SJ639 | 18 20 44 | 64 45 57 | 15.0 | 5.0 | .5 | .150 | 5,000 | 3.0 | N | N | 70 | 500 | N |
| 84SJ641 | 18 19 12 | 64 45 33 | 20.0 | 5.0 | .3 | .030 | 7,000 | <1.0 | N | N | 30 | 500 | <2 |
| 84SJ646 | 18 20 18 | 64 40 29 | 15.0 | 5.0 | .7 | .100 | 7,000 | 20.0 | N | N | 100 | 700 | 5 |
| 84SJ649 | 18 21 17 | 64 41 13 | 15.0 | 3.0 | 1.0 | .070 | 5,000 | 15.0 | N | N | 70 | 700 | 5 |
| 84SJ653 | 18 21 14 | 64 42 22 | 15.0 | 7.0 | 1.0 | .200 | 5,000 | 3.0 | N | N | 30 | 700 | N |
| 84SJ655 | 18 19 44 | 64 46 55 | 15.0 | 7.0 | 1.0 | .100 | 5,000 | N | N | N | 50 | <50 | N |
| 84SJ657 | 18 19 50 | 64 47 47 | 15.0 | 7.0 | 1.0 | .100 | 3,000 | 20.0 | N | N | 50 | 200 | N |
| 84SJ658 | 18 19 44 | 64 46 51 | 15.0 | 7.0 | 1.0 | .100 | 3,000 | 15.0 | N | N | 20 | <50 | N |
| 84SJ659 | 18 19 40 | 64 46 37 | 20.0 | 10.0 | .7 | .100 | 2,000 | 7.0 | N | N | <20 | 70 | <2 |
| 84SJ660 | 18 19 47 | 64 46 37 | 15.0 | 5.0 | 1.0 | .100 | 3,000 | 3.0 | N | N | 30 | 70 | N |
| 84SJ665 | 18 21 25 | 64 43 27 | 15.0 | 1.5 | 1.5 | .100 | >10,000 | N | N | N | 100 | 3,000 | <2 |
| 84SJ668 | 18 20 59 | 64 44 35 | 10.0 | 3.0 | 2.0 | .070 | >10,000 | 1.5 | N | N | 100 | 1,000 | <2 |
| 84SJ670 | 18 20 49 | 64 44 21 | 15.0 | 5.0 | .7 | .050 | 2,000 | N | N | N | 20 | 150 | 3 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ096 | N | N | 500 | 70 | 500 | N | N | N | 200 | 20 | N | N | N | 500 |
| 84SJ097 | N | N | 200 | 70 | 300 | N | N | N | 150 | 70 | N | <10 | N | 300 |
| 84SJ098 | N | N | 200 | 50 | 700 | N | N | N | 150 | 70 | N | <10 | N | 500 |
| 84SJ099 | N | N | 700 | 200 | 500 | N | 10 | N | 300 | 200 | N | 10 | 50 | 500 |
| 84SJ100 | N | N | 700 | 150 | 500 | N | 10 | N | 200 | 200 | N | 10 | <20 | 500 |
| 84SJ101 | N | N | 150 | 500 | 300 | N | N | N | 200 | 70 | N | 10 | N | 300 |
| 84SJ102 | N | N | 150 | 300 | 500 | N | N | N | 200 | 500 | N | 10 | N | 300 |
| 84SJ103 | N | N | 150 | 200 | 500 | N | 15 | N | 200 | 70 | N | <10 | N | 300 |
| 84SJ104 | N | N | 150 | 200 | 700 | N | 10 | N | 200 | 70 | N | <10 | N | 300 |
| 84SJ105 | N | N | 500 | 100 | 500 | N | N | N | 200 | 100 | N | <10 | N | 500 |
| 84SJ106 | N | N | 500 | 100 | 500 | N | N | N | 200 | 20 | N | <10 | N | 1,500 |
| 84SJ107 | N | N | 150 | 150 | 200 | N | N | N | 150 | 50 | N | 10 | N | 300 |
| 84SJ108 | N | N | 700 | 150 | 300 | N | N | N | 200 | 50 | N | 10 | N | 500 |
| 84SJ109 | N | N | 20 | 50 | 70 | N | N | N | 150 | 50 | N | 15 | N | 200 |
| 84SJ110 | N | N | 30 | 70 | 100 | N | N | N | 100 | 200 | N | 10 | N | N |
| 84SJ200 | N | N | 500 | 100 | 500 | N | N | N | 150 | 300 | N | <10 | N | 200 |
| 84SJ201 | N | N | 100 | 70 | 200 | N | N | N | 150 | 200 | N | <10 | N | N |
| 84SJ202 | N | N | 200 | 50 | 200 | N | N | N | 150 | 500 | N | <10 | N | 200 |
| 84SJ203 | N | N | 300 | 150 | 500 | N | N | N | 150 | 150 | N | <10 | N | 200 |
| 84SJ205 | N | N | 200 | 150 | 500 | <50 | N | N | 200 | 300 | N | <10 | N | 300 |
| 84SJ206 | N | N | 200 | 150 | 300 | N | N | N | 200 | 100 | N | 10 | N | 200 |
| 84SJ207 | N | N | 150 | 200 | 300 | N | N | N | 200 | 70 | N | <10 | N | N |
| 84SJ601 | N | N | 700 | 500 | 500 | N | N | N | 200 | 200 | N | 15 | N | 500 |
| 84SJ605 | N | N | 200 | 300 | 200 | N | <10 | N | 200 | 100 | N | 20 | 150 | N |
| 84SJ606 | N | N | 150 | 20 | 300 | N | N | N | 70 | 70 | N | 15 | N | N |
| 84SJ608 | N | N | 150 | 100 | 300 | N | N | N | 70 | N | N | <10 | N | 1,000 |
| 84SJ613 | N | N | 100 | 150 | 500 | N | N | N | 300 | 20 | N | N | N | 2,000 |
| 84SJ614 | N | N | 300 | 150 | 1,000 | N | N | N | 150 | 70 | N | 20 | N | 700 |
| 84SJ622 | N | N | 200 | 150 | 500 | N | N | N | 200 | 150 | N | <10 | N | N |
| 84SJ625 | N | N | 200 | 500 | 300 | N | N | N | 200 | 150 | N | 10 | N | <200 |
| 84SJ629 | N | N | 300 | 200 | 300 | N | N | N | 100 | 70 | N | 15 | N | N |
| 84SJ631 | 100 | N | 150 | 700 | 1,000 | N | 300 | N | 200 | 1,500 | N | 50 | N | <200 |
| 84SJ639 | N | N | 200 | 200 | 500 | N | N | N | 200 | N | N | <10 | N | N |
| 84SJ641 | N | N | 200 | 200 | 700 | N | 15 | N | 200 | 70 | N | 15 | N | N |
| 84SJ646 | N | N | 150 | 150 | 150 | N | N | N | 150 | 50 | N | 20 | N | 1,000 |
| 84SJ649 | N | N | 150 | 100 | 200 | N | N | N | 100 | 50 | N | 50 | N | 500 |
| 84SJ653 | N | N | 150 | 300 | 500 | N | N | N | 200 | <20 | N | 50 | N | N |
| 84SJ655 | N | N | 150 | 200 | 100 | N | N | N | 70 | 30 | N | 15 | N | N |
| 84SJ657 | N | N | 200 | 300 | 500 | N | N | N | 200 | 20 | N | 10 | N | N |
| 84SJ658 | N | N | 150 | 200 | 300 | N | N | N | 100 | 50 | N | 10 | N | N |
| 84SJ659 | N | N | 200 | 300 | 500 | N | N | N | 200 | <20 | N | 20 | N | N |
| 84SJ660 | N | N | 150 | 200 | 300 | N | N | N | 100 | 70 | N | 10 | N | N |
| 84SJ665 | N | N | 1,000 | 100 | 700 | N | N | N | 200 | 70 | N | 15 | N | 300 |
| 84SJ668 | N | N | 300 | 150 | 700 | N | N | N | 200 | 100 | N | 20 | N | 300 |
| 84SJ670 | N | N | 150 | 100 | 100 | N | N | N | 100 | <20 | N | 70 | N | <200 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ096 | 700 | N | N | 500 | N | N |
| 84SJ097 | 700 | N | 30 | 500 | 20 | N |
| 84SJ098 | 1,000 | N | 50 | 500 | N | N |
| 84SJ099 | 1,000 | N | 50 | 700 | N | N |
| 84SJ100 | 1,500 | N | 50 | 700 | 70 | N |
| 84SJ101 | 2,000 | N | 50 | 1,000 | N | N |
| 84SJ102 | 1,500 | N | 50 | 700 | N | N |
| 84SJ103 | 1,000 | N | 50 | 1,000 | N | N |
| 84SJ104 | 1,000 | N | 50 | 1,000 | N | N |
| 84SJ105 | 1,500 | N | 20 | 1,000 | N | N |
| 84SJ106 | 1,000 | N | N | <500 | N | N |
| 84SJ107 | 1,500 | N | 70 | 700 | <20 | N |
| 84SJ108 | 1,500 | N | 30 | 700 | 20 | N |
| 84SJ109 | 300 | N | 20 | 1,000 | N | N |
| 84SJ110 | 1,500 | N | 50 | 1,000 | N | N |
| 84SJ200 | 2,000 | N | 20 | 1,000 | N | N |
| 84SJ201 | 2,000 | N | 50 | 1,500 | N | N |
| 84SJ202 | 1,500 | N | 70 | 1,500 | N | N |
| 84SJ203 | 2,000 | N | N | 1,000 | <20 | N |
| 84SJ205 | 1,500 | N | 150 | 2,000 | <20 | N |
| 84SJ206 | 1,500 | N | 70 | 1,500 | <20 | N |
| 84SJ207 | 1,500 | N | 50 | 700 | 20 | N |
| 84SJ601 | 1,000 | N | 30 | 1,000 | 20 | N |
| 84SJ605 | 700 | N | 150 | 1,500 | 50 | N |
| 84SJ606 | 1,500 | N | N | <500 | N | N |
| 84SJ608 | 700 | N | N | N | N | N |
| 84SJ613 | 200 | N | N | 700 | N | N |
| 84SJ614 | 1,000 | N | N | <500 | N | N |
| 84SJ622 | 1,000 | N | 20 | 500 | N | N |
| 84SJ625 | 1,000 | N | <20 | 500 | <20 | N |
| 84SJ629 | 1,000 | N | <20 | 700 | N | N |
| 84SJ631 | 700 | N | 30 | 1,500 | 70 | N |
| 84SJ639 | 700 | N | N | <500 | <20 | N |
| 84SJ641 | 700 | N | <20 | 5,000 | N | N |
| 84SJ646 | 500 | N | N | 1,000 | N | N |
| 84SJ649 | 300 | N | N | 1,000 | N | N |
| 84SJ653 | 700 | N | <20 | <500 | N | N |
| 84SJ655 | 500 | N | N | N | <20 | N |
| 84SJ657 | 1,000 | N | N | <500 | <20 | N |
| 84SJ658 | 1,000 | N | N | <500 | N | N |
| 84SJ659 | 700 | N | <20 | <500 | 20 | N |
| 84SJ660 | 700 | N | N | <500 | <20 | N |
| 84SJ665 | 1,000 | N | 50 | 500 | 20 | N |
| 84SJ668 | 700 | N | 50 | 1,000 | N | N |
| 84SJ670 | 700 | N | 70 | 1,000 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ673 | 18 20 29 | 64 44 2 | 15.0 | 7.0 | .7 | .100 | 3,000 | N | N | N | 70 | 50 | <2 |
| 84SJ676 | 18 20 11 | 64 43 39 | 30.0 | 1.5 | 2.0 | .070 | 700 | 1.5 | N | N | 100 | 2,000 | N |
| 84SJ684 | 18 20 8 | 64 43 33 | 15.0 | 2.0 | .7 | .070 | 5,000 | 7.0 | N | N | 70 | 1,500 | 3 |
| 84SJ690 | 18 20 7 | 64 43 50 | 15.0 | 5.0 | 1.5 | .150 | 7,000 | 1.5 | N | N | 100 | 300 | <2 |
| 84SJ696 | 18 20 14 | 64 42 43 | 15.0 | 2.0 | .7 | .150 | 10,000 | 20.0 | N | N | 100 | 700 | 3 |
| 84SJ699 | 18 19 20 | 64 42 3 | 15.0 | 5.0 | .7 | .050 | 5,000 | 3.0 | N | N | 70 | <50 | <2 |
| 84SJ716 | 18 20 33 | 64 44 45 | 10.0 | 5.0 | 1.0 | .150 | 5,000 | 1.5 | N | N | 70 | 150 | N |
| 84SJ723 | 18 20 42 | 64 45 15 | 10.0 | 5.0 | .7 | .100 | 3,000 | 3.0 | N | N | 30 | 100 | N |
| 84SJ725 | 18 20 40 | 64 45 35 | 20.0 | 5.0 | .7 | .100 | 7,000 | 15.0 | N | N | 50 | 300 | <2 |
| 84SJ729 | 18 20 34 | 64 45 33 | 20.0 | 7.0 | 1.0 | .500 | 5,000 | 15.0 | N | N | 50 | 300 | N |
| 84SJ733 | 18 20 40 | 64 45 25 | 15.0 | 5.0 | 1.0 | .200 | 7,000 | 1.0 | N | N | 70 | 500 | <2 |
| 84SJ735 | 18 22 14 | 64 44 55 | 30.0 | 2.0 | 2.0 | .500 | 10,000 | 300.0 | N | N | 70 | 1,000 | <2 |
| 84SJ736 | 18 20 50 | 64 44 35 | 10.0 | 5.0 | .7 | .100 | 10,000 | 10.0 | N | N | 70 | 700 | <2 |
| 84SJ738 | 18 21 31 | 64 44 0 | 20.0 | 1.5 | 1.5 | .150 | >10,000 | N | N | N | 70 | 3,000 | <2 |
| 84SJ739 | 18 21 38 | 64 44 7 | 20.0 | 2.0 | .7 | .070 | 3,000 | N | N | N | 70 | 700 | <2 |
| 84SJ739 | 18 21 38 | 64 44 9 | 20.0 | 2.0 | .7 | .070 | 3,000 | N | N | N | 70 | 700 | <2 |
| 84SJ741 | 18 21 13 | 64 44 15 | 15.0 | 3.0 | .7 | .200 | 10,000 | 3.0 | N | N | 70 | 1,000 | 2 |
| 84SJ742 | 18 21 21 | 64 44 15 | 15.0 | 3.0 | 1.5 | .100 | >10,000 | N | N | N | 100 | 1,000 | <2 |
| 84SJ743 | 18 21 22 | 64 44 8 | 15.0 | 5.0 | 1.0 | .100 | 10,000 | 3.0 | N | N | 100 | 500 | 2 |
| 84SC001 | 17 46 1 | 64 49 21 | 15.0 | 5.0 | 1.5 | .700 | 2,000 | 1.5 | N | N | 50 | 700 | N |
| 84SC002 | 17 46 17 | 64 48 37 | 15.0 | 5.0 | 1.5 | .100 | 7,000 | 5.0 | N | N | 50 | 200 | <2 |
| 84SC003 | 17 46 8 | 64 49 7 | 15.0 | 5.0 | 1.5 | .150 | 7,000 | 10.0 | N | N | 70 | 300 | <2 |
| 84SC004 | 17 45 54 | 64 49 44 | 15.0 | 5.0 | 1.5 | .070 | 7,000 | 15.0 | N | N | 50 | 300 | N |
| 84SC006 | 17 45 11 | 64 49 47 | 15.0 | 5.0 | 2.0 | .150 | >10,000 | N | N | N | 100 | 700 | <2 |
| 84SC007 | 17 45 18 | 64 49 39 | 15.0 | 5.0 | 2.0 | .300 | 7,000 | N | N | N | 100 | 500 | <2 |
| 84SC008 | 17 45 1 | 64 49 19 | 10.0 | 5.0 | 1.5 | .150 | 3,000 | N | N | N | 100 | 300 | N |
| 84SC009 | 17 46 2 | 64 45 49 | 15.0 | 7.0 | 1.5 | .500 | 5,000 | N | N | N | 150 | 300 | N |
| 84SC010 | 17 46 17 | 64 45 40 | 15.0 | 7.0 | 1.5 | .200 | 10,000 | N | N | N | 100 | 500 | <2 |
| 84SC011S | 17 46 47 | 64 45 43 | 15.0 | 7.0 | 3.0 | .300 | >10,000 | N | N | N | 150 | 700 | <2 |
| 84SC012 | 17 46 39 | 64 46 10 | 15.0 | 5.0 | 3.0 | .200 | 10,000 | 3.0 | N | N | 70 | 500 | <2 |
| 84SC013 | 17 46 51 | 64 46 35 | 15.0 | 7.0 | 3.0 | .200 | >10,000 | <1.0 | N | N | 100 | 500 | <2 |
| 84SC014 | 17 46 23 | 64 47 30 | 15.0 | 7.0 | 1.5 | .500 | 5,000 | N | N | N | 100 | 200 | <2 |
| 84SC015 | 17 46 27 | 64 47 22 | 15.0 | 7.0 | 2.0 | .150 | 10,000 | 1.5 | N | N | 70 | 500 | <2 |
| 84SC016 | 17 46 33 | 64 47 20 | 15.0 | 5.0 | 2.0 | .150 | 7,000 | N | N | N | 100 | 300 | <2 |
| 84SC017 | 17 46 34 | 64 48 7 | 15.0 | 7.0 | 1.5 | .200 | 10,000 | 10.0 | N | N | 50 | 300 | <2 |
| 84SC018 | 17 46 39 | 64 47 39 | 15.0 | 7.0 | 1.5 | .200 | 7,000 | 5.0 | N | N | 70 | 500 | <2 |
| 84SC019 | 17 45 39 | 64 46 22 | 15.0 | 7.0 | 2.0 | .200 | 5,000 | N | N | N | 70 | 300 | <2 |
| 84SC020 | 17 45 40 | 64 46 55 | 15.0 | 7.0 | 2.0 | .200 | 7,000 | 15.0 | N | N | 70 | 300 | <2 |
| 84SC021 | 17 45 38 | 64 46 59 | 15.0 | 7.0 | 1.5 | .150 | 3,000 | 20.0 | N | N | 100 | 1,000 | <2 |
| 84SC022 | 17 45 37 | 64 47 42 | 15.0 | 5.0 | 1.5 | .500 | 5,000 | <1.0 | N | N | 70 | 200 | <2 |
| 84SC023 | 17 45 50 | 64 47 57 | 15.0 | 7.0 | 1.5 | .500 | 5,000 | N | N | N | 70 | 200 | <2 |
| 84SC024 | 17 44 48 | 64 48 54 | 10.0 | 5.0 | 2.0 | .300 | 3,000 | N | N | N | 70 | 500 | N |
| 84SC025 | 17 45 54 | 64 46 7 | 20.0 | 7.0 | 3.0 | .200 | 7,000 | 7.0 | N | N | 70 | 300 | <2 |
| 84SC026 | 17 44 1 | 64 48 55 | 15.0 | 5.0 | 3.0 | .500 | 3,000 | N | N | N | 200 | 700 | <2 |
| 84SC028 | 17 44 59 | 64 47 37 | 15.0 | 5.0 | 1.5 | .150 | 5,000 | N | N | N | 150 | 300 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SJ673 | N | N | 150 | 300 | 200 | N | N | N | 200 | 50 | N | 20 | N | <200 |
| 84SJ676 | 20 | N | 10 | 300 | 1,000 | N | 150 | N | 300 | 300 | N | 15 | N | 700 |
| 84SJ684 | N | N | 150 | 200 | 1,500 | N | 70 | N | 150 | 300 | N | 20 | N | N |
| 84SJ690 | N | N | 150 | 70 | 100 | N | N | N | 100 | 100 | N | 10 | N | 200 |
| 84SJ696 | N | N | 200 | 300 | 2,000 | N | 20 | N | 150 | 300 | N | 20 | N | N |
| 84SJ699 | N | N | 150 | 100 | 200 | N | N | N | 150 | 150 | N | 15 | N | N |
| 84SJ716 | N | N | 150 | 150 | 300 | N | N | N | 100 | 50 | N | <10 | N | N |
| 84SJ723 | N | N | 150 | 100 | 300 | N | N | N | 100 | 50 | N | <10 | N | N |
| 84SJ725 | N | N | 300 | 300 | 300 | N | N | N | 100 | 150 | N | <10 | N | N |
| 84SJ729 | N | N | 200 | 300 | 300 | N | N | N | 150 | 100 | N | <10 | N | N |
| 84SJ733 | N | N | 200 | 200 | 300 | N | N | N | 100 | 100 | N | <10 | N | <200 |
| 84SJ735 | N | N | 300 | 150 | 700 | N | N | N | 200 | 200 | N | 50 | N | 300 |
| 84SJ736 | N | N | 150 | 150 | 200 | N | N | N | 150 | 150 | N | 20 | N | N |
| 84SJ738 | N | N | 1,000 | 300 | 700 | N | N | N | 200 | 100 | N | 20 | N | 300 |
| 84SJ739 | N | N | 150 | 150 | 1,000 | N | 100 | N | 100 | 300 | N | 15 | N | N |
| 84SJ739 | N | N | 150 | 150 | 1,000 | N | 100 | N | 100 | 300 | N | 15 | N | N |
| 84SJ741 | N | N | 200 | 200 | 300 | N | N | N | 100 | 150 | N | 20 | N | <200 |
| 84SJ742 | N | N | 300 | 150 | 300 | N | N | N | 100 | 200 | N | 15 | N | 300 |
| 84SJ743 | N | N | 150 | 200 | 300 | N | N | N | 150 | 200 | N | 20 | N | 500 |
| 84SC001 | N | N | 150 | 150 | 1,500 | N | N | N | 150 | 30 | N | 10 | N | 500 |
| 84SC002 | N | N | 200 | 150 | 300 | N | N | N | 150 | 50 | N | 10 | N | N |
| 84SC003 | N | N | 200 | 200 | 500 | N | N | N | 150 | 100 | N | 10 | N | <200 |
| 84SC004 | N | N | 150 | 70 | 500 | N | N | N | 70 | 50 | N | 10 | N | <200 |
| 84SC006 | N | N | 200 | 150 | 500 | N | N | N | 150 | 150 | N | 15 | N | N |
| 84SC007 | N | N | 150 | 100 | 1,000 | N | N | N | 150 | 100 | N | 30 | N | <200 |
| 84SC008 | N | N | 150 | 200 | 700 | N | N | N | 200 | 30 | N | 10 | N | 200 |
| 84SC009 | N | N | 150 | 300 | 500 | N | N | N | 200 | 70 | N | 20 | N | N |
| 84SC010 | N | N | 200 | 100 | 500 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC011S | N | N | 300 | 200 | 300 | N | N | <50 | 300 | 100 | N | 20 | N | N |
| 84SC012 | N | N | 200 | 150 | 300 | N | N | N | 150 | 100 | N | 20 | N | N |
| 84SC013 | N | N | 200 | 150 | 300 | N | N | N | 100 | 50 | N | 20 | N | N |
| 84SC014 | N | N | 150 | 150 | 300 | N | N | N | 150 | 50 | N | 15 | N | N |
| 84SC015 | N | N | 150 | 150 | 300 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC016 | N | N | 150 | 150 | 500 | N | N | N | 150 | 70 | N | 20 | N | N |
| 84SC017 | N | N | 200 | 300 | 500 | N | N | N | 200 | 70 | N | 15 | N | N |
| 84SC018 | N | N | 200 | 200 | 500 | N | N | N | 200 | 50 | N | 15 | N | N |
| 84SC019 | N | N | 150 | 200 | 500 | N | N | N | 150 | 70 | N | 15 | N | <200 |
| 84SC020 | N | N | 200 | 200 | 500 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC021 | N | N | 200 | 200 | 700 | N | N | N | 200 | 30 | N | N | N | 300 |
| 84SC022 | N | N | 150 | 150 | 700 | N | N | N | 150 | 70 | N | 15 | N | <200 |
| 84SC023 | N | N | 150 | 200 | 300 | N | N | N | 200 | 70 | N | 15 | N | N |
| 84SC024 | N | N | 150 | 200 | 700 | N | N | N | 200 | 50 | N | 15 | N | 500 |
| 84SC025 | N | N | 200 | 150 | 500 | N | N | N | 150 | 70 | N | 20 | N | N |
| 84SC026 | N | N | 200 | 300 | 700 | N | N | N | 300 | 100 | N | 15 | N | 300 |
| 84SC028 | N | N | 200 | 200 | 300 | N | N | N | 200 | 100 | N | 10 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SJ673 | 500 | N | 70 | 1,000 | N | N |
| 84SJ676 | 1,500 | N | N | 1,500 | 30 | N |
| 84SJ684 | 700 | N | 70 | 2,000 | 20 | N |
| 84SJ690 | 500 | N | <20 | 1,500 | 20 | N |
| 84SJ696 | 700 | N | 50 | 3,000 | <20 | N |
| 84SJ699 | 150 | N | 50 | 700 | N | N |
| 84SJ716 | 500 | N | N | 500 | N | N |
| 84SJ723 | 300 | N | N | 500 | N | N |
| 84SJ725 | 1,000 | N | <20 | 700 | <20 | N |
| 84SJ729 | 1,000 | N | <20 | 500 | <20 | N |
| 84SJ733 | 1,000 | N | 20 | 500 | N | N |
| 84SJ735 | 1,000 | N | 50 | 500 | <20 | N |
| 84SJ736 | 500 | N | 30 | 1,000 | N | N |
| 84SJ738 | 1,500 | N | 50 | 500 | <20 | N |
| 84SJ739 | 500 | N | 50 | 2,000 | N | N |
| 84SJ739 | 500 | N | 50 | 2,000 | N | N |
| 84SJ741 | 700 | N | 50 | 700 | N | N |
| 84SJ742 | 700 | N | 50 | 1,000 | <20 | N |
| 84SJ743 | 700 | N | 30 | 1,000 | N | N |
| 84SC001 | 700 | N | N | <500 | N | N |
| 84SC002 | 700 | N | N | 700 | 20 | N |
| 84SC003 | 1,000 | N | N | 700 | <20 | N |
| 84SC004 | 700 | N | N | 1,000 | N | N |
| 84SC006 | 700 | N | 20 | 700 | 20 | N |
| 84SC007 | 700 | N | 50 | 700 | <20 | N |
| 84SC008 | 700 | N | N | 700 | <20 | N |
| 84SC009 | 700 | N | <20 | 700 | 70 | N |
| 84SC010 | 700 | N | N | 700 | 70 | N |
| 84SC011S | 1,000 | N | 50 | 700 | 100 | N |
| 84SC012 | 1,000 | N | 30 | 700 | 70 | N |
| 84SC013 | 700 | N | 20 | 1,000 | 70 | N |
| 84SC014 | 700 | N | 20 | 1,000 | 50 | N |
| 84SC015 | 700 | N | 30 | 1,000 | 70 | N |
| 84SC016 | 700 | N | 30 | 700 | 50 | N |
| 84SC017 | 700 | N | 30 | 1,000 | 70 | N |
| 84SC018 | 700 | N | N | 700 | 30 | N |
| 84SC019 | 1,000 | N | N | 700 | 70 | N |
| 84SC020 | 700 | N | <20 | 700 | 50 | N |
| 84SC021 | 1,000 | N | N | 700 | 50 | N |
| 84SC022 | 700 | N | <20 | 1,000 | 50 | N |
| 84SC023 | 700 | N | 20 | 1,000 | 50 | N |
| 84SC024 | 500 | N | N | 1,000 | 30 | N |
| 84SC025 | 700 | N | <20 | 700 | 70 | N |
| 84SC026 | 1,000 | N | 30 | 1,500 | 20 | N |
| 84SC028 | 700 | N | N | 1,000 | 30 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC029 | 17 45 16 | 64 47 16 | 15.0 | 7.0 | 1.5 | .150 | 5,000 | N | N | N | 70 | 300 | <2 |
| 84SC029 | 17 44 17 | 64 48 26 | 15.0 | 7.0 | 1.5 | .150 | 5,000 | N | N | N | 70 | 300 | <2 |
| 84SC030 | 17 44 23 | 64 49 0 | 15.0 | 5.0 | 2.0 | .150 | 10,000 | N | N | N | 70 | 700 | <2 |
| 84SC031 | 17 44 50 | 64 48 35 | 15.0 | 5.0 | 3.0 | .150 | 10,000 | 3.0 | N | N | 100 | 1,000 | N |
| 84SC033 | 17 45 10 | 64 48 37 | 15.0 | 5.0 | 3.0 | .200 | 5,000 | N | N | N | 100 | 700 | <2 |
| 84SC034S | 17 45 10 | 64 51 13 | 15.0 | 7.0 | 1.5 | .150 | 7,000 | 5.0 | N | N | 70 | 300 | N |
| 84SC035S | 17 45 18 | 64 50 46 | 10.0 | 7.0 | 1.5 | .070 | 10,000 | N | N | N | 70 | 300 | N |
| 84SC036S | 17 45 8 | 64 50 24 | 15.0 | 5.0 | 2.0 | .070 | 7,000 | <1.0 | N | N | 100 | 150 | <2 |
| 84SC037S | 17 44 47 | 64 50 5 | 10.0 | 5.0 | 2.0 | .070 | >10,000 | <1.0 | N | N | 150 | 2,000 | <2 |
| 84SC038S | 17 45 36 | 64 50 21 | 20.0 | 7.0 | 2.0 | .070 | 5,000 | <1.0 | N | N | 150 | 300 | <2 |
| 84SC040 | 17 45 47 | 64 52 20 | 20.0 | 7.0 | 1.0 | .150 | 5,000 | 7.0 | N | N | 70 | 300 | <2 |
| 84SC041 | 17 45 46 | 64 52 23 | 20.0 | 7.0 | 1.5 | .150 | 7,000 | N | N | N | 50 | 700 | N |
| 84SC042 | 17 46 14 | 64 52 28 | 30.0 | 7.0 | 1.0 | .300 | 10,000 | N | N | N | 100 | 700 | <2 |
| 84SC043 | 17 45 50 | 64 53 4 | 15.0 | 7.0 | 1.5 | .150 | 7,000 | 30.0 | N | N | 70 | 700 | <2 |
| 84SC044 | 17 45 2 | 64 53 28 | 20.0 | 7.0 | 2.0 | .200 | 10,000 | N | N | N | 70 | 1,000 | <2 |
| 84SC045 | 17 44 28 | 64 53 2 | 20.0 | 7.0 | 3.0 | .200 | >10,000 | N | N | N | 100 | 2,000 | <2 |
| 84SC046 | 17 44 49 | 64 52 36 | 10.0 | 3.0 | 1.0 | .150 | 10,000 | N | N | N | 70 | 700 | <2 |
| 84SC047 | 17 44 53 | 64 52 6 | 10.0 | 3.0 | 1.5 | .150 | 7,000 | N | N | N | 70 | 500 | <2 |
| 84SC048 | 17 45 0 | 64 52 8 | 15.0 | 3.0 | 2.0 | .150 | 7,000 | <1.0 | N | N | 100 | 1,500 | 2 |
| 84SC049 | 17 45 3 | 64 51 42 | 20.0 | 5.0 | 2.0 | .150 | 7,000 | N | N | N | 100 | 300 | <2 |
| 84SC050 | 17 45 0 | 64 51 43 | 10.0 | 5.0 | 1.5 | .100 | 10,000 | N | N | N | 50 | 500 | <2 |
| 84SC051 | 17 43 47 | 64 52 38 | 15.0 | 5.0 | 1.5 | .150 | >10,000 | N | N | N | 100 | 1,000 | <2 |
| 84SC052 | 17 43 50 | 64 51 59 | 15.0 | 5.0 | 2.0 | .150 | 7,000 | 7.0 | N | N | 70 | 700 | <2 |
| 84SC053 | 17 43 53 | 64 51 51 | 15.0 | 7.0 | 1.0 | .200 | 5,000 | N | N | N | 70 | 300 | <2 |
| 84SC054 | 17 44 21 | 64 51 41 | 15.0 | 5.0 | 1.5 | .200 | 10,000 | <1.0 | N | N | 70 | 1,000 | <2 |
| 84SC055 | 17 44 24 | 64 51 38 | 15.0 | 5.0 | 1.0 | .150 | 10,000 | N | N | N | 70 | 500 | <2 |
| 84SC056 | 17 44 29 | 64 51 40 | 15.0 | 7.0 | 1.5 | .150 | 7,000 | N | N | N | 30 | 200 | <2 |
| 84SC057 | 17 44 5 | 64 51 24 | 15.0 | 5.0 | 1.5 | .150 | >10,000 | 5.0 | N | N | 50 | 1,500 | <2 |
| 84SC058 | 17 44 26 | 64 51 12 | 15.0 | 7.0 | 1.0 | .200 | 5,000 | 5.0 | N | N | 50 | 150 | <2 |
| 84SC059 | 17 44 32 | 64 50 53 | 20.0 | 7.0 | 1.5 | .200 | 7,000 | N | N | N | 30 | 200 | <2 |
| 84SC060 | 17 44 21 | 64 50 19 | 15.0 | 5.0 | 1.5 | .150 | 10,000 | N | N | N | 50 | 300 | <2 |
| 84SC061 | 17 44 7 | 64 50 2 | 15.0 | 5.0 | 1.5 | .150 | >10,000 | N | N | N | 50 | 700 | <2 |
| 84SC062 | 17 44 3 | 64 49 38 | 15.0 | 5.0 | 1.5 | .200 | 7,000 | N | N | N | 70 | 500 | <2 |
| 84SC063 | 17 43 26 | 64 52 0 | 15.0 | 7.0 | 2.0 | .150 | 10,000 | N | N | N | 30 | 700 | <2 |
| 84SC064 | 17 42 43 | 64 52 0 | 15.0 | 5.0 | 2.0 | .150 | >10,000 | 10.0 | N | N | 50 | 1,500 | <2 |
| 84SC065 | 17 42 55 | 64 51 38 | 15.0 | 7.0 | 2.0 | .150 | 5,000 | 10.0 | N | N | 70 | 500 | <2 |
| 84SC066 | 17 42 51 | 64 51 4 | 10.0 | 3.0 | 2.0 | .100 | 7,000 | N | N | N | 70 | 500 | <2 |
| 84SC067 | 17 43 4 | 64 51 12 | 15.0 | 5.0 | 1.5 | .100 | 5,000 | N | N | N | 70 | 300 | <2 |
| 84SC068 | 17 43 4 | 64 50 40 | 15.0 | 5.0 | 1.0 | .150 | 5,000 | N | N | N | 70 | 500 | N |
| 84SC069 | 17 43 6 | 64 49 58 | 20.0 | 5.0 | 1.5 | .150 | 5,000 | N | N | N | 70 | 500 | N |
| 84SC070 | 17 43 55 | 64 49 21 | 15.0 | 5.0 | .7 | .150 | 3,000 | N | N | N | 70 | 300 | <2 |
| 84SC071 | 17 45 34 | 64 45 50 | 15.0 | 3.0 | .7 | .100 | 3,000 | 7.0 | N | N | 100 | 300 | <2 |
| 84SC072 | 17 46 6 | 64 45 24 | 15.0 | 5.0 | 1.0 | .150 | 3,000 | 10.0 | N | N | 150 | 300 | <2 |
| 84SC074S | 17 45 17 | 64 46 9 | 10.0 | 7.0 | .7 | .100 | 3,000 | 30.0 | N | N | 200 | 700 | <2 |
| 84SC075S | 17 44 54 | 64 46 26 | 7.0 | 3.0 | .5 | .150 | 3,000 | 15.0 | N | N | 100 | 700 | <2 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC029 | N | N | 150 | 200 | 500 | N | N | N | 150 | 70 | N | 10 | N | N |
| 84SC029 | N | N | 150 | 200 | 500 | N | N | N | 150 | 70 | N | 10 | N | N |
| 84SC030 | N | N | 200 | 150 | 700 | N | N | N | 150 | 100 | N | 10 | N | 200 |
| 84SC031 | N | N | 200 | 200 | 700 | N | N | N | 200 | 100 | N | 15 | N | 700 |
| 84SC033 | N | N | 150 | 300 | 1,000 | N | N | N | 300 | 70 | N | 15 | N | 300 |
| 84SC034S | N | N | 150 | 70 | 300 | N | N | N | 100 | 70 | N | 10 | N | N |
| 84SC035S | N | N | 200 | 70 | 200 | N | N | N | 70 | 50 | N | <10 | N | N |
| 84SC036S | N | N | 150 | 300 | 300 | N | N | N | 200 | 50 | N | <10 | N | N |
| 84SC037S | N | N | 300 | 150 | 500 | N | N | N | 150 | 50 | N | N | N | 700 |
| 84SC038S | N | N | 150 | 100 | 200 | N | N | N | 70 | 70 | N | 30 | N | N |
| 84SC040 | N | N | 150 | 200 | 500 | N | N | N | 150 | 100 | N | 10 | N | N |
| 84SC041 | N | N | 200 | 300 | 500 | N | N | N | 300 | 100 | N | <10 | N | N |
| 84SC042 | N | N | 200 | 700 | 700 | <50 | N | N | 500 | 150 | N | 20 | N | N |
| 84SC043 | N | N | 300 | 1,000 | 700 | N | N | N | 2,000 | 70 | N | 15 | N | N |
| 84SC044 | N | N | 300 | 1,000 | 700 | N | N | N | 700 | 200 | N | 15 | N | N |
| 84SC045 | N | N | 300 | 700 | 1,000 | N | N | N | 1,000 | 500 | N | 15 | 30 | 300 |
| 84SC046 | N | N | 200 | 300 | 500 | N | N | N | 200 | 150 | N | 20 | N | N |
| 84SC047 | N | N | 150 | 200 | 500 | N | N | N | 200 | 200 | N | 20 | N | N |
| 84SC048 | N | N | 300 | 300 | 700 | N | N | N | 500 | 200 | N | 20 | N | 500 |
| 84SC049 | N | N | 200 | 150 | 500 | N | N | N | 150 | 100 | N | 15 | N | <200 |
| 84SC050 | N | N | 150 | 150 | 300 | N | N | N | 150 | 150 | N | 10 | N | N |
| 84SC051 | N | N | 150 | 200 | 500 | N | N | N | 200 | 150 | N | 15 | N | N |
| 84SC052 | N | N | 150 | 500 | 500 | N | N | N | 300 | 70 | N | 15 | N | N |
| 84SC053 | N | N | 150 | 150 | 300 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC054 | N | N | 300 | 500 | 500 | N | N | N | 300 | 150 | N | 20 | N | N |
| 84SC055 | N | N | 300 | 150 | 500 | N | N | N | 200 | 200 | N | 15 | N | N |
| 84SC056 | N | N | 150 | 150 | 500 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC057 | N | N | 300 | 200 | 500 | N | N | N | 300 | 150 | N | 20 | N | N |
| 84SC058 | N | N | 150 | 150 | 300 | N | N | N | 150 | 150 | N | 10 | N | N |
| 84SC059 | N | N | 150 | 200 | 500 | N | N | N | 200 | 70 | N | 15 | N | N |
| 84SC060 | N | N | 150 | 150 | 300 | N | N | N | 150 | 70 | N | 15 | N | N |
| 84SC061 | N | N | 300 | 200 | 300 | N | N | N | 150 | 70 | N | 10 | N | N |
| 84SC062 | N | N | 150 | 150 | 300 | N | N | N | 150 | 150 | N | 15 | N | N |
| 84SC063 | N | N | 200 | 150 | 500 | N | N | N | 150 | 70 | N | 20 | N | N |
| 84SC064 | N | N | 300 | 150 | 300 | N | N | N | 200 | 150 | N | 15 | N | <200 |
| 84SC065 | N | N | 150 | 200 | 300 | N | N | N | 150 | 30 | N | 15 | N | 300 |
| 84SC066 | N | N | 150 | 150 | 200 | N | N | N | 70 | 100 | N | 10 | N | N |
| 84SC067 | N | N | 150 | 150 | 200 | N | N | N | 70 | 30 | N | <10 | N | N |
| 84SC068 | N | N | 100 | 200 | 500 | N | N | N | 100 | 70 | N | <10 | N | 700 |
| 84SC069 | N | N | 150 | 150 | 500 | N | N | N | 100 | 150 | N | 10 | N | N |
| 84SC070 | N | N | 150 | 150 | 300 | N | N | N | 100 | 50 | N | <10 | N | N |
| 84SC071 | N | N | 100 | 200 | 300 | N | N | N | 150 | 50 | N | N | 20 | 700 |
| 84SC072 | N | N | 150 | 200 | 700 | N | N | N | 150 | 30 | N | <10 | N | 300 |
| 84SC074S | N | N | 150 | 200 | 500 | N | N | N | 150 | 30 | N | N | N | 700 |
| 84SC075S | N | N | 100 | 200 | 300 | N | N | N | 100 | 20 | N | N | N | 500 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC029 | 700 | N | N | 700 | 20 | N |
| 84SC029 | 700 | N | N | 700 | 20 | N |
| 84SC030 | 1,000 | N | N | 1,500 | 20 | N |
| 84SC031 | 700 | N | <20 | 1,000 | 20 | N |
| 84SC033 | 1,000 | N | 20 | 1,000 | <20 | N |
| 84SC034S | 500 | N | 20 | 1,000 | <20 | N |
| 84SC035S | 500 | N | 20 | 1,000 | <20 | N |
| 84SC036S | 500 | N | N | 1,000 | <20 | N |
| 84SC037S | 700 | N | N | <500 | <20 | N |
| 84SC038S | 1,000 | N | 20 | 700 | <20 | N |
| 84SC040 | 500 | N | 20 | 1,000 | <20 | N |
| 84SC041 | 500 | N | <20 | 700 | <20 | N |
| 84SC042 | 700 | N | 50 | 1,000 | 20 | N |
| 84SC043 | 500 | N | 30 | 1,000 | <20 | N |
| 84SC044 | 500 | N | 50 | 1,000 | 20 | N |
| 84SC045 | 500 | N | 50 | 1,500 | 20 | N |
| 84SC046 | 300 | N | 50 | 1,500 | 50 | N |
| 84SC047 | 500 | N | 50 | 1,500 | 20 | N |
| 84SC048 | 500 | N | 30 | 2,000 | 20 | N |
| 84SC049 | 500 | N | 30 | 1,000 | <20 | N |
| 84SC050 | 500 | N | <20 | 1,500 | <20 | N |
| 84SC051 | 700 | N | 50 | 1,500 | 50 | N |
| 84SC052 | 500 | N | 30 | 1,000 | 50 | N |
| 84SC053 | 500 | N | 30 | 1,000 | <20 | N |
| 84SC054 | 700 | N | 50 | 1,500 | 50 | N |
| 84SC055 | 700 | N | 30 | 1,000 | 50 | N |
| 84SC056 | 700 | N | <20 | 1,000 | 30 | N |
| 84SC057 | 700 | N | 50 | 1,000 | 50 | N |
| 84SC058 | 500 | N | <20 | 1,000 | 20 | N |
| 84SC059 | 700 | N | 30 | 1,000 | 20 | N |
| 84SC060 | 700 | N | 20 | 1,000 | <20 | N |
| 84SC061 | 700 | N | 20 | 1,000 | <20 | N |
| 84SC062 | 700 | N | 20 | 1,500 | 20 | N |
| 84SC063 | 700 | N | <20 | 1,000 | 50 | N |
| 84SC064 | 700 | N | 20 | 1,000 | 100 | N |
| 84SC065 | 700 | N | N | 700 | 70 | N |
| 84SC066 | 700 | N | N | 500 | 50 | N |
| 84SC067 | 700 | N | N | 700 | 50 | N |
| 84SC068 | 500 | N | N | 700 | 20 | N |
| 84SC069 | 700 | N | <20 | 700 | 50 | N |
| 84SC070 | 500 | N | N | 700 | 20 | N |
| 84SC071 | 300 | N | N | 1,000 | 20 | N |
| 84SC072 | 500 | N | N | 1,000 | <20 | N |
| 84SC074S | 500 | N | N | 700 | N | N |
| 84SC075S | 500 | N | N | 700 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC076S | 17 44 46 | 64 46 52 | 10.0 | 2.0 | 2.0 | .070 | >10,000 | N | N | N | 50 | 2,000 | 2 |
| 84SC077S | 17 44 37 | 64 47 18 | 15.0 | 1.5 | 1.5 | .070 | >10,000 | 70.0 | N | N | 150 | 7,000 | 5 |
| 84SC078S | 17 44 29 | 64 47 46 | 10.0 | 3.0 | 3.0 | .150 | 5,000 | 70.0 | N | N | 100 | 700 | N |
| 84SC079S | 17 44 19 | 64 46 38 | 15.0 | 5.0 | 1.0 | .150 | 5,000 | 3.0 | N | N | 300 | 1,000 | <2 |
| 84SC080S | 17 44 10 | 64 47 2 | 7.0 | 7.0 | .7 | .100 | 7,000 | 20.0 | N | N | 300 | 1,500 | N |
| 84SC081S | 17 44 3 | 64 47 28 | 15.0 | 1.5 | 2.0 | .050 | >10,000 | 70.0 | N | N | 100 | 7,000 | <2 |
| 84SC082S | 17 43 59 | 64 46 1 | 10.0 | 5.0 | 1.0 | .150 | 2,000 | 2,000.0 | N | N | 500 | 300 | <2 |
| 84SC083S | 17 44 21 | 64 45 54 | 5.0 | 5.0 | .7 | .070 | 700 | 30.0 | N | N | 300 | 300 | N |
| 84SC084S | 17 44 46 | 64 46 3 | 10.0 | 5.0 | .5 | .150 | 3,000 | 70.0 | N | N | 150 | 700 | <2 |
| 84SC085S | 17 45 14 | 64 45 16 | 7.0 | 5.0 | 1.0 | .100 | 3,000 | 15.0 | N | N | 300 | 700 | N |
| 84SC086 | 17 44 52 | 64 45 14 | 5.0 | 5.0 | .7 | .070 | 3,000 | 50.0 | N | N | 300 | 300 | N |
| 84SC087 | 17 44 17 | 64 45 17 | 7.0 | 7.0 | 2.0 | .100 | 3,000 | 70.0 | N | N | 300 | 300 | <2 |
| 84SC088S | 17 43 37 | 64 45 17 | 3.0 | 5.0 | .5 | .050 | 1,500 | 30.0 | N | N | 200 | 300 | N |
| 84SC089S | 17 43 23 | 64 45 54 | 7.0 | 5.0 | 1.0 | .150 | 2,000 | 20.0 | N | N | 300 | 300 | <2 |
| 84SC090S | 17 42 35 | 64 47 13 | 7.0 | 5.0 | 1.5 | .150 | 7,000 | 20.0 | N | N | 300 | 1,000 | <2 |
| 84SC091S | 17 42 54 | 64 47 27 | 7.0 | 5.0 | 1.5 | .100 | 1,500 | 7.0 | N | N | 300 | 500 | <2 |
| 84SC093S | 17 43 35 | 64 47 16 | 7.0 | 5.0 | 1.0 | .150 | 3,000 | 2.0 | N | N | 200 | 700 | <2 |
| 84SC094S | 17 43 41 | 64 46 49 | 10.0 | 5.0 | 1.0 | .150 | 3,000 | 7.0 | N | N | 150 | 300 | <2 |
| 84SC095S | 17 43 50 | 64 46 29 | 7.0 | 3.0 | 1.0 | .150 | 3,000 | 10.0 | N | N | 300 | 700 | 2 |
| 84SC096S | 17 44 5 | 64 45 34 | 10.0 | 5.0 | 1.0 | .150 | 2,000 | 15.0 | N | N | 200 | 300 | <2 |
| 84SC098 | 17 45 9 | 64 44 30 | 5.0 | 5.0 | .5 | .070 | 1,500 | 20.0 | N | N | 200 | 300 | N |
| 84SC100S | 17 45 13 | 64 43 36 | 7.0 | 5.0 | 1.0 | .100 | 2,000 | 30.0 | N | N | 150 | 700 | <2 |
| 84SC101S | 17 45 5 | 64 44 4 | 7.0 | 5.0 | 1.0 | .100 | 5,000 | 70.0 | N | N | 500 | 700 | <2 |
| 84SC102S | 17 44 52 | 64 43 32 | 7.0 | 5.0 | 1.0 | .150 | 3,000 | 500.0 | N | N | 500 | 300 | <2 |
| 84SC103S | 17 44 15 | 64 43 15 | 10.0 | 5.0 | 1.5 | .200 | 10,000 | 50.0 | N | N | 150 | 1,000 | <2 |
| 84SC104S | 17 44 24 | 64 43 39 | 5.0 | 5.0 | .5 | .100 | 1,500 | 70.0 | N | N | 200 | 300 | <2 |
| 84SC105S | 17 44 8 | 64 43 55 | 10.0 | 5.0 | .7 | .200 | 3,000 | 7.0 | N | N | 200 | 300 | 2 |
| 84SC107S | 17 44 44 | 64 44 37 | 7.0 | 5.0 | .7 | .100 | 5,000 | 15.0 | N | N | 300 | 200 | N |
| 84SC108S | 17 44 46 | 64 44 18 | 7.0 | 3.0 | .7 | .150 | 3,000 | 15.0 | N | N | 300 | 300 | <2 |
| 84SC109S | 17 43 40 | 64 44 33 | 3.0 | 7.0 | .7 | .030 | 3,000 | 15.0 | N | N | 300 | 500 | <2 |
| 84SC110S | 17 43 22 | 64 44 27 | 7.0 | 5.0 | 1.0 | .150 | 2,000 | 3.0 | N | N | 500 | 300 | <2 |
| 84SC111S | 17 43 14 | 64 44 51 | 3.0 | 3.0 | .3 | .007 | 1,500 | 300.0 | N | N | 300 | 150 | 3 |
| 84SC112S | 17 43 8 | 64 45 18 | 5.0 | 7.0 | .7 | .070 | 1,000 | 7.0 | N | N | 500 | 300 | <2 |
| 84SC113S | 17 43 30 | 64 44 1 | 7.0 | 7.0 | 1.0 | .150 | 3,000 | 20.0 | N | N | 200 | 300 | <2 |
| 84SC114S | 17 42 49 | 64 42 45 | 15.0 | 5.0 | 1.5 | .200 | 7,000 | 15.0 | N | N | 100 | 1,500 | <2 |
| 84SC115S | 17 42 19 | 64 42 47 | 15.0 | 2.0 | 3.0 | .070 | >10,000 | N | N | N | 150 | 2,000 | 3 |
| 84SC116S | 17 42 9 | 64 43 10 | 7.0 | 7.0 | 1.0 | .150 | 2,000 | 20.0 | N | N | 300 | 700 | N |
| 84SC117S | 17 42 35 | 64 43 23 | 10.0 | 3.0 | 1.0 | .150 | 3,000 | 7.0 | N | N | 200 | 700 | 2 |
| 84SC118S | 17 42 29 | 64 43 47 | 7.0 | 7.0 | .5 | .100 | 2,000 | 100.0 | N | N | 300 | 500 | <2 |
| 84SC119S | 17 42 59 | 64 43 50 | 5.0 | 7.0 | .3 | .050 | 700 | 1.5 | N | N | 500 | 200 | <2 |
| 84SC120S | 17 42 53 | 64 44 16 | 3.0 | 20.0 | .3 | .030 | 300 | 50.0 | N | N | 300 | 100 | N |
| 84SC121S | 17 43 6 | 64 43 33 | 7.0 | 5.0 | .7 | .100 | 3,000 | 50.0 | N | N | 300 | 700 | <2 |
| 84SC122S | 17 43 16 | 64 42 54 | 10.0 | 5.0 | .7 | .150 | 5,000 | 5.0 | N | N | 100 | 700 | <2 |
| 84SC123S | 17 43 40 | 64 43 29 | 7.0 | 5.0 | .5 | .100 | 2,000 | 30.0 | N | N | 150 | 500 | <2 |
| 84SC124S | 17 43 57 | 64 42 43 | 10.0 | 5.0 | .5 | .010 | 2,000 | 20.0 | N | N | 20 | 1,500 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC076S | N | N | 300 | 200 | 300 | N | N | N | 100 | 150 | N | 15 | N | N |
| 84SC077S | N | N | 700 | 200 | 700 | N | N | N | 300 | 100 | N | <10 | N | 500 |
| 84SC078S | N | N | 150 | 300 | 500 | N | N | N | 150 | 150 | N | 10 | <20 | 700 |
| 84SC079S | N | N | 150 | 500 | 300 | N | N | N | 200 | 30 | N | <10 | N | 300 |
| 84SC080S | N | N | 150 | 300 | 300 | N | <10 | N | 200 | <20 | N | N | 70 | 1,000 |
| 84SC081S | N | N | 1,500 | 300 | 700 | 200 | N | N | 500 | 300 | N | 10 | N | 500 |
| 84SC082S | N | N | 100 | 500 | 200 | N | N | N | 200 | <20 | N | N | N | <200 |
| 84SC083S | N | N | 20 | 200 | 100 | N | N | N | 70 | <20 | N | N | N | N |
| 84SC084S | N | N | 150 | 300 | 700 | N | N | N | 150 | <20 | N | N | N | 700 |
| 84SC085S | N | N | 100 | 200 | 200 | N | <10 | N | 100 | <20 | N | N | N | 700 |
| 84SC086 | N | N | 100 | 300 | 150 | N | 10 | N | 100 | N | N | N | 70 | 500 |
| 84SC087 | N | N | 150 | 500 | 150 | N | 15 | N | 200 | 20 | N | N | 50 | 500 |
| 84SC088S | N | N | 50 | 200 | 70 | N | N | N | 50 | N | N | N | N | N |
| 84SC089S | N | N | 100 | 300 | 150 | N | 15 | N | 150 | <20 | N | N | N | 500 |
| 84SC090S | N | N | 200 | 300 | 200 | N | 15 | N | 200 | <20 | N | <10 | N | 500 |
| 84SC091S | N | N | 50 | 200 | 150 | N | 10 | N | 150 | <20 | N | N | <20 | 700 |
| 84SC093S | N | N | 150 | 200 | 300 | N | N | N | 150 | <20 | N | N | N | 500 |
| 84SC094S | N | N | 100 | 150 | 500 | N | N | N | 150 | 20 | N | N | N | <200 |
| 84SC095S | N | N | 100 | 300 | 200 | N | N | N | 200 | 30 | N | N | 70 | 500 |
| 84SC096S | N | N | 100 | 200 | 300 | N | N | N | 200 | 20 | N | N | 200 | 700 |
| 84SC098 | N | N | 30 | 200 | 70 | N | N | N | 70 | N | N | N | N | <200 |
| 84SC100S | N | N | 100 | 200 | 200 | N | N | N | 150 | 30 | N | N | 30 | 1,000 |
| 84SC101S | N | N | 200 | 300 | 200 | N | <10 | N | 150 | <20 | N | N | 30 | 700 |
| 84SC102S | N | N | 150 | 300 | 150 | N | <10 | N | 100 | <20 | N | N | <20 | 300 |
| 84SC103S | N | N | 300 | 300 | 700 | N | N | N | 300 | 300 | N | <10 | 30 | 500 |
| 84SC104S | N | N | 50 | 150 | 70 | N | N | N | 70 | 100 | N | N | N | N |
| 84SC105S | N | N | 150 | 300 | 300 | N | N | N | 150 | 30 | N | N | N | N |
| 84SC107S | N | N | 200 | 300 | 150 | N | N | N | 150 | N | N | N | <20 | N |
| 84SC108S | N | N | 100 | 500 | 150 | N | N | N | 150 | <20 | N | N | <20 | N |
| 84SC109S | N | N | 50 | 200 | 70 | N | <10 | N | 70 | N | N | N | N | N |
| 84SC110S | N | N | 70 | 300 | 200 | N | <10 | N | 100 | <20 | N | N | 30 | 700 |
| 84SC111S | N | N | 50 | 150 | 100 | <50 | <10 | N | 30 | <20 | N | N | N | N |
| 84SC112S | N | N | 50 | 300 | 100 | N | <10 | N | 70 | N | N | N | 70 | 700 |
| 84SC113S | N | N | 150 | 300 | 300 | N | N | N | 150 | <20 | N | <10 | N | N |
| 84SC114S | N | N | 150 | 300 | 500 | N | N | N | 200 | 100 | N | 10 | N | 500 |
| 84SC115S | N | N | 200 | 500 | 500 | <50 | N | N | 200 | 200 | N | <10 | N | 1,000 |
| 84SC116S | N | N | 100 | 300 | 150 | N | N | N | 100 | 70 | N | N | N | 3,000 |
| 84SC117S | N | N | 100 | 500 | 200 | N | N | N | 150 | 20 | N | N | N | 300 |
| 84SC118S | N | N | 70 | 300 | 200 | N | N | N | 100 | N | N | N | <20 | 1,000 |
| 84SC119S | N | N | 20 | 100 | 70 | N | N | N | 30 | N | N | N | N | N |
| 84SC120S | N | N | 20 | 150 | 70 | N | N | N | 70 | <20 | N | N | N | N |
| 84SC121S | N | N | 100 | 500 | 200 | N | N | N | 150 | <20 | N | N | 30 | <200 |
| 84SC122S | N | N | 150 | 200 | 300 | N | N | N | 200 | 50 | N | <10 | N | 1,000 |
| 84SC123S | N | N | 100 | 200 | 150 | N | N | N | 100 | <20 | N | N | N | <200 |
| 84SC124S | N | N | 150 | 50 | 150 | 70 | N | N | 100 | 70 | N | 15 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC076S | 1,000 | N | 30 | 700 | 50 | N |
| 84SC077S | 2,000 | N | N | 1,000 | 30 | N |
| 84SC078S | 1,000 | N | 30 | 1,000 | 30 | N |
| 84SC079S | 700 | N | N | 1,000 | 30 | N |
| 84SC080S | 300 | N | N | 1,000 | N | N |
| 84SC081S | 3,000 | N | 150 | 500 | 50 | N |
| 84SC082S | 500 | N | N | 1,000 | 20 | N |
| 84SC083S | 150 | N | N | 500 | N | N |
| 84SC084S | 500 | N | N | 700 | N | N |
| 84SC085S | 300 | N | N | 700 | N | N |
| 84SC086 | 150 | N | N | 700 | N | N |
| 84SC087 | 300 | N | N | 700 | <20 | N |
| 84SC088S | 100 | N | N | <500 | N | N |
| 84SC089S | 300 | N | N | 700 | N | N |
| 84SC090S | 500 | N | N | 700 | <20 | N |
| 84SC091S | 300 | N | N | 1,000 | N | N |
| 84SC093S | 300 | N | N | 700 | N | N |
| 84SC094S | 500 | N | N | 700 | <20 | N |
| 84SC095S | 50 | N | N | 1,000 | N | N |
| 84SC096S | 30 | N | N | 1,500 | N | N |
| 84SC098 | 100 | N | N | 500 | N | N |
| 84SC100S | 300 | N | N | 1,000 | N | N |
| 84SC101S | 300 | N | N | 700 | N | N |
| 84SC102S | 300 | N | N | 700 | N | N |
| 84SC103S | 700 | N | N | 1,500 | 20 | N |
| 84SC104S | 150 | N | N | <500 | <20 | N |
| 84SC105S | 500 | N | N | 700 | 20 | N |
| 84SC107S | 500 | N | N | <500 | N | N |
| 84SC108S | 300 | N | N | 700 | <20 | N |
| 84SC109S | 100 | N | N | <500 | <20 | N |
| 84SC110S | 300 | N | N | 1,000 | 20 | N |
| 84SC111S | 200 | N | N | N | <20 | N |
| 84SC112S | 100 | N | N | 500 | <20 | N |
| 84SC113S | 500 | N | N | 1,000 | 20 | N |
| 84SC114S | 700 | N | N | 1,000 | 50 | N |
| 84SC115S | 1,000 | N | 50 | 500 | 70 | N |
| 84SC116S | 500 | N | N | 1,500 | <20 | N |
| 84SC117S | 500 | N | N | 500 | 50 | N |
| 84SC118S | 200 | N | N | 500 | N | N |
| 84SC119S | 100 | N | N | N | N | N |
| 84SC120S | 70 | N | N | 500 | N | N |
| 84SC121S | 300 | N | N | 700 | N | N |
| 84SC122S | 700 | N | N | 1,500 | 30 | N |
| 84SC123S | 200 | N | N | 500 | N | N |
| 84SC124S | 300 | N | 70 | 1,000 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC125S | 17 42 55 | 64 46 52 | 10.0 | 7.0 | .7 | .150 | 2,000 | 10.0 | N | N | 300 | 200 | N |
| 84SC126S | 17 43 9 | 64 46 27 | 7.0 | 7.0 | 1.0 | .100 | 2,000 | 300.0 | N | N | 500 | 500 | <2 |
| 84SC127S | 17 42 5 | 64 47 17 | 20.0 | 2.0 | 2.0 | .050 | >10,000 | <1.0 | N | N | 200 | 5,000 | <2 |
| 84SC128S | 17 43 17 | 64 48 8 | 10.0 | 3.0 | .7 | .100 | 7,000 | 7.0 | N | N | 200 | 1,000 | <2 |
| 84SC129S | 17 43 48 | 64 48 20 | 20.0 | 1.5 | 2.0 | .070 | >10,000 | 15.0 | N | N | 150 | 3,000 | 2 |
| 84SC130S | 17 42 52 | 64 48 3 | 10.0 | 5.0 | 1.5 | .150 | 5,000 | 5.0 | N | N | 200 | 1,000 | <2 |
| 84SC131S | 17 43 2 | 64 48 51 | 15.0 | 2.0 | 2.0 | .050 | >10,000 | 1.0 | N | N | 200 | 5,000 | 2 |
| 84SC132S | 17 42 37 | 64 48 40 | 7.0 | 5.0 | .7 | .070 | 1,500 | 100.0 | N | N | 300 | 300 | <2 |
| 84SC133S | 17 43 0 | 64 49 18 | 15.0 | 3.0 | .7 | .100 | 10,000 | 7.0 | N | N | 150 | 1,000 | <2 |
| 84SC134S | 17 43 25 | 64 49 26 | 10.0 | 2.0 | .5 | .150 | 10,000 | 7.0 | N | N | 100 | 700 | <2 |
| 84SC135S | 17 43 34 | 64 48 59 | 15.0 | 3.0 | .7 | .150 | 7,000 | 1.5 | N | N | 150 | 700 | <2 |
| 84SC136S | 17 42 27 | 64 49 16 | 5.0 | 5.0 | 1.0 | .100 | 3,000 | 70.0 | N | N | 300 | 700 | N |
| 84SC137S | 17 41 33 | 64 48 52 | 5.0 | 7.0 | 1.0 | .100 | 1,500 | 100.0 | N | N | 300 | 700 | N |
| 84SC138S | 17 41 40 | 64 48 23 | 7.0 | 7.0 | .7 | .150 | 3,000 | 100.0 | N | N | 300 | 700 | <2 |
| 84SC139S | 17 41 55 | 64 49 7 | 7.0 | 3.0 | .5 | .150 | 10,000 | 70.0 | N | N | 300 | 2,000 | N |
| 84SC140S | 17 41 47 | 64 49 31 | 10.0 | 3.0 | .7 | .100 | 5,000 | N | N | N | 300 | 1,000 | <2 |
| 84SC141S | 17 41 21 | 64 49 25 | 7.0 | 5.0 | .7 | .100 | 3,000 | 2.0 | N | N | 500 | 500 | <2 |
| 84SC142S | 17 42 16 | 64 49 43 | 10.0 | 1.5 | 1.0 | .070 | >10,000 | N | N | N | 150 | 2,000 | 5 |
| 84SC143S | 17 42 44 | 64 49 53 | 10.0 | 1.5 | 1.5 | .070 | >10,000 | N | N | N | 150 | 2,000 | 2 |
| 84SC148 | 17 45 38 | 64 48 50 | 15.0 | 5.0 | 1.0 | .300 | 1,500 | 5.0 | N | N | 70 | 700 | N |
| 84SC150S | 17 45 34 | 64 48 13 | 10.0 | 3.0 | 1.5 | .150 | 5,000 | N | N | N | 150 | 200 | <2 |
| 84SC154 | 17 47 26 | 64 37 32 | 7.0 | 5.0 | 2.0 | .070 | >10,000 | 15.0 | N | N | 200 | 1,000 | <2 |
| 84SC156S | 17 47 12 | 64 37 10 | 10.0 | 7.0 | .7 | .100 | 5,000 | 15.0 | N | N | 150 | 700 | 2 |
| 84SC200 | 17 45 20 | 64 34 6 | 10.0 | 7.0 | .7 | .100 | 7,000 | N | N | N | 100 | 700 | <2 |
| 84SC201 | 17 45 31 | 64 34 22 | 10.0 | 5.0 | 3.0 | .100 | >10,000 | 70.0 | N | N | 150 | 1,500 | <2 |
| 84SC202 | 17 45 36 | 64 34 31 | 10.0 | 5.0 | 1.5 | .100 | 10,000 | N | N | N | 100 | 700 | <2 |
| 84SC203 | 17 45 34 | 64 34 39 | 10.0 | 5.0 | 2.0 | .070 | 10,000 | N | N | N | 100 | 700 | <2 |
| 84SC204 | 17 45 38 | 64 34 48 | 10.0 | 5.0 | 1.5 | .100 | 7,000 | 70.0 | N | N | 150 | 500 | <2 |
| 84SC205 | 17 45 18 | 64 35 1 | 10.0 | 3.0 | 1.0 | .100 | 10,000 | 5.0 | N | N | 100 | 1,000 | <2 |
| 84SC206 | 17 45 13 | 64 35 33 | 10.0 | 5.0 | 1.0 | .100 | 7,000 | 10.0 | N | N | 100 | 700 | <2 |
| 84SC207 | 17 44 48 | 64 36 25 | 10.0 | 5.0 | .7 | .070 | 10,000 | 30.0 | N | N | 70 | 700 | <2 |
| 84SC208 | 17 45 12 | 64 34 20 | 10.0 | 5.0 | 1.0 | .150 | 10,000 | 15.0 | N | N | 70 | 700 | <2 |
| 84SC209 | 17 45 0 | 64 34 35 | 15.0 | 5.0 | 2.0 | .150 | 10,000 | 10.0 | N | N | 100 | 1,000 | <2 |
| 84SC210 | 17 45 1 | 64 34 53 | 7.0 | 3.0 | 1.0 | .100 | 7,000 | 20.0 | N | N | 70 | 500 | <2 |
| 84SC212 | 17 44 36 | 64 36 37 | 10.0 | 5.0 | 1.5 | .070 | 10,000 | 2.0 | N | N | 100 | 1,000 | <2 |
| 84SC213 | 17 44 17 | 64 37 7 | 10.0 | 2.0 | 1.0 | .150 | 10,000 | 3.0 | N | N | 100 | 1,500 | 3 |
| 84SC214 | 17 44 6 | 64 37 24 | 10.0 | 3.0 | 1.0 | .150 | 5,000 | <1.0 | N | N | 70 | 700 | 2 |
| 84SC215 | 17 44 1 | 64 37 38 | 10.0 | 3.0 | .7 | .100 | 5,000 | N | N | N | 100 | 700 | <2 |
| 84SC216 | 17 45 41 | 64 39 12 | 10.0 | 2.0 | 1.5 | .300 | 7,000 | N | N | N | 150 | 1,000 | 5 |
| 84SC218 | 17 45 1 | 64 38 17 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | 20.0 | N | N | 100 | 1,000 | <2 |
| 84SC219 | 17 45 24 | 64 37 38 | 10.0 | 1.5 | 1.5 | .150 | >10,000 | 10.0 | N | N | 150 | 2,000 | 3 |
| 84SC220 | 17 45 5 | 64 37 40 | 10.0 | 3.0 | 1.5 | .150 | 7,000 | N | N | N | 100 | 700 | 2 |
| 84SC221 | 17 44 56 | 64 37 33 | 10.0 | 2.0 | 2.0 | .150 | 10,000 | 10.0 | N | N | 150 | 1,000 | 5 |
| 84SC222 | 17 44 57 | 64 37 15 | 15.0 | 2.0 | .7 | .100 | 7,000 | 20.0 | N | N | 150 | 1,000 | 3 |
| 84SC223 | 17 44 57 | 64 36 46 | 10.0 | 3.0 | 1.0 | .100 | 10,000 | 15.0 | N | N | 150 | 1,000 | <2 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC125S | N | N | 100 | 200 | 300 | N | N | N | 100 | 20 | N | N | N | 300 |
| 84SC126S | N | N | 100 | 300 | 150 | N | <10 | N | 150 | <20 | N | N | 100 | <200 |
| 84SC127S | N | N | 1,000 | 200 | 1,000 | N | N | N | 500 | 150 | N | 10 | N | 500 |
| 84SC128S | N | N | 150 | 200 | 300 | N | N | N | 200 | 20 | N | N | <20 | 500 |
| 84SC129S | N | N | 1,000 | 200 | 700 | 70 | N | N | 300 | 300 | N | 10 | 30 | 200 |
| 84SC130S | N | N | 150 | 300 | 500 | N | N | N | 200 | 50 | N | N | 50 | 700 |
| 84SC131S | N | N | 1,500 | 200 | 700 | N | N | N | 500 | 70 | N | N | N | 700 |
| 84SC132S | N | N | 100 | 200 | 150 | N | N | N | 100 | 20 | N | <10 | N | 300 |
| 84SC133S | N | N | 150 | 200 | 300 | N | N | N | 200 | 30 | N | N | N | 500 |
| 84SC134S | N | N | 300 | 200 | 200 | N | N | N | 100 | 200 | N | 10 | N | N |
| 84SC135S | N | N | 200 | 200 | 500 | N | N | N | 200 | 100 | N | <10 | N | 700 |
| 84SC136S | N | N | 100 | 200 | 200 | N | <10 | N | 150 | N | N | N | N | 300 |
| 84SC137S | N | N | 50 | 200 | 300 | N | 10 | N | 200 | 30 | N | N | 70 | 2,000 |
| 84SC138S | N | N | 100 | 200 | 300 | N | N | N | 200 | 30 | N | N | 100 | 1,500 |
| 84SC139S | N | N | 200 | 200 | 300 | N | N | N | 200 | <20 | N | N | 50 | 700 |
| 84SC140S | N | N | 150 | 150 | 200 | N | N | N | 100 | <20 | N | N | N | 700 |
| 84SC141S | N | N | 100 | 200 | 150 | N | N | N | 100 | <20 | N | N | N | 1,000 |
| 84SC142S | N | N | 300 | 100 | 300 | N | N | N | 150 | 70 | N | N | N | 700 |
| 84SC143S | N | N | 300 | 100 | 200 | N | N | N | 100 | 100 | N | <10 | N | 1,000 |
| 84SC148 | N | N | 150 | 150 | 1,500 | N | N | N | 200 | 20 | N | <10 | N | 300 |
| 84SC150S | N | N | 200 | 200 | 300 | N | N | N | 150 | 70 | N | <10 | N | <200 |
| 84SC154 | N | N | 300 | 500 | 500 | N | N | N | 500 | 150 | N | N | N | 1,000 |
| 84SC156S | N | N | 200 | 500 | 500 | N | N | N | 300 | 50 | N | <10 | N | 300 |
| 84SC200 | N | N | 200 | 500 | 700 | N | N | N | 300 | 30 | N | <10 | N | 500 |
| 84SC201 | N | N | 500 | 200 | 500 | N | N | N | 500 | 200 | N | 10 | N | 500 |
| 84SC202 | N | N | 200 | 300 | 500 | N | N | N | 500 | 70 | N | 15 | N | N |
| 84SC203 | N | N | 300 | 500 | 700 | N | N | N | 500 | 100 | N | <10 | N | <200 |
| 84SC204 | N | N | 150 | 300 | 300 | N | N | N | 300 | 100 | N | 15 | N | <200 |
| 84SC205 | N | N | 150 | 300 | 300 | <50 | N | N | 300 | 150 | N | 10 | N | N |
| 84SC206 | N | N | 150 | 300 | 300 | N | N | N | 300 | 100 | N | 20 | N | N |
| 84SC207 | N | N | 200 | 300 | 300 | N | N | N | 500 | 150 | N | <10 | N | N |
| 84SC208 | N | N | 150 | 300 | 300 | N | N | N | 300 | 100 | N | 15 | N | N |
| 84SC209 | N | N | 300 | 500 | 500 | N | <10 | N | 500 | 70 | N | 10 | N | 700 |
| 84SC210 | N | N | 200 | 300 | 300 | N | N | N | 300 | 150 | N | 15 | N | N |
| 84SC212 | N | N | 300 | 200 | 300 | N | N | N | 300 | 150 | N | 10 | N | 200 |
| 84SC213 | N | N | 300 | 300 | 300 | N | N | N | 300 | 150 | N | 10 | N | 300 |
| 84SC214 | N | N | 150 | 200 | 500 | N | N | N | 200 | 100 | N | 10 | N | N |
| 84SC215 | N | N | 150 | 100 | 300 | N | N | N | 100 | 100 | N | 10 | N | N |
| 84SC216 | N | N | 300 | 500 | 500 | N | N | N | 500 | 70 | N | N | N | 1,500 |
| 84SC218 | N | N | 500 | 300 | 700 | N | N | N | 300 | 100 | N | 15 | N | 200 |
| 84SC219 | N | N | 500 | 500 | 300 | 50 | N | N | 500 | 200 | N | <10 | N | 200 |
| 84SC220 | N | N | 150 | 300 | 500 | N | N | N | 300 | 100 | N | 15 | N | <200 |
| 84SC221 | N | N | 300 | 500 | 500 | N | N | N | 500 | 150 | N | 15 | N | 300 |
| 84SC222 | N | N | 150 | 500 | 300 | <50 | N | N | 500 | 150 | N | 10 | N | N |
| 84SC223 | N | N | 300 | 500 | 500 | N | N | N | 500 | 100 | N | 10 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC125S | 300 | N | N | 1,500 | N | N |
| 84SC126S | 200 | N | N | 500 | N | N |
| 84SC127S | 5,000 | N | N | 700 | 70 | N |
| 84SC128S | 500 | N | N | 1,000 | N | N |
| 84SC129S | 3,000 | N | 150 | 700 | 20 | N |
| 84SC130S | 500 | N | N | 1,000 | <20 | N |
| 84SC131S | 2,000 | N | N | 500 | 50 | N |
| 84SC132S | 200 | N | N | 700 | 20 | N |
| 84SC133S | 500 | N | N | 700 | 30 | N |
| 84SC134S | 700 | N | 30 | 700 | 50 | N |
| 84SC135S | 700 | N | N | 1,500 | 20 | N |
| 84SC136S | 200 | N | N | 700 | N | N |
| 84SC137S | 200 | N | N | 1,000 | N | N |
| 84SC138S | 500 | N | N | 2,000 | N | N |
| 84SC139S | 1,000 | N | N | 1,000 | <20 | N |
| 84SC140S | 700 | N | N | 700 | N | N |
| 84SC141S | 300 | N | N | 700 | N | N |
| 84SC142S | 1,000 | N | N | 700 | 30 | N |
| 84SC143S | 1,500 | N | N | 700 | 30 | N |
| 84SC148 | 500 | N | N | 1,000 | N | N |
| 84SC150S | 700 | N | N | 500 | 50 | N |
| 84SC154 | 300 | N | <20 | 500 | 20 | N |
| 84SC156S | 300 | N | N | 1,000 | 20 | N |
| 84SC200 | 500 | N | N | 700 | N | N |
| 84SC201 | 500 | N | 20 | 700 | 30 | N |
| 84SC202 | 500 | N | <20 | 500 | 30 | N |
| 84SC203 | 200 | N | <20 | 1,000 | 20 | N |
| 84SC204 | 500 | N | 30 | 700 | 20 | N |
| 84SC205 | 500 | N | 30 | 1,000 | 30 | N |
| 84SC206 | 500 | N | 30 | 1,000 | N | N |
| 84SC207 | 500 | N | 30 | 700 | N | N |
| 84SC208 | 500 | N | 30 | 1,000 | <20 | N |
| 84SC209 | 500 | N | <20 | 1,000 | 50 | N |
| 84SC210 | 500 | N | 50 | 700 | 50 | N |
| 84SC212 | 500 | N | 30 | 1,000 | 20 | N |
| 84SC213 | 500 | N | 50 | 700 | 30 | N |
| 84SC214 | 500 | N | <20 | 700 | N | N |
| 84SC215 | 700 | N | 30 | 700 | 30 | N |
| 84SC216 | 700 | N | N | 1,000 | 20 | N |
| 84SC218 | 700 | N | <20 | 700 | 20 | N |
| 84SC219 | 500 | N | 50 | 700 | 50 | N |
| 84SC220 | 700 | N | 30 | 700 | 50 | N |
| 84SC221 | 500 | N | 20 | 700 | 30 | N |
| 84SC222 | 700 | N | 50 | 700 | 20 | N |
| 84SC223 | 500 | N | 30 | 700 | 20 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC224 | 17 45 14 | 64 36 23 | 15.0 | 2.0 | .7 | .100 | 10,000 | <1.0 | N | N | 150 | 1,000 | <2 |
| 84SC225 | 17 44 33 | 64 38 59 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | 7.0 | N | N | 100 | 1,000 | <2 |
| 84SC226 | 17 44 13 | 64 38 39 | 10.0 | 3.0 | 1.0 | .100 | 5,000 | 10.0 | N | N | 70 | 500 | <2 |
| 84SC227 | 17 44 20 | 64 36 56 | 10.0 | 3.0 | 1.0 | .100 | 7,000 | 7.0 | N | N | 70 | 700 | 2 |
| 84SC228 | 17 44 6 | 64 36 39 | 10.0 | 3.0 | 1.0 | .150 | 7,000 | 15.0 | N | N | 70 | 150 | <2 |
| 84SC229 | 17 44 10 | 64 38 0 | 7.0 | 2.0 | 1.5 | .150 | 10,000 | 50.0 | N | N | 150 | 1,000 | 2 |
| 84SC230S | 17 43 39 | 64 38 43 | 10.0 | 2.0 | .7 | .100 | 7,000 | 15.0 | N | N | 100 | 700 | <2 |
| 84SC231 | 17 44 12 | 64 39 3 | 10.0 | 5.0 | 1.0 | .150 | 5,000 | 70.0 | N | N | 100 | 700 | <2 |
| 84SC232S | 17 44 26 | 64 39 33 | 10.0 | 3.0 | 1.0 | .200 | 10,000 | N | N | N | 150 | 1,000 | <2 |
| 84SC233 | 17 44 50 | 64 38 53 | 10.0 | 3.0 | 1.5 | .150 | >10,000 | 100.0 | N | N | 100 | 2,000 | <2 |
| 84SC234 | 17 44 48 | 64 38 51 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | 3.0 | N | N | 150 | 1,000 | 2 |
| 84SC235 | 17 45 3 | 64 39 3 | 10.0 | 3.0 | 1.5 | .100 | >10,000 | N | N | N | 70 | 1,000 | <2 |
| 84SC236 | 17 45 6 | 64 40 4 | 7.0 | 3.0 | 1.5 | .150 | 10,000 | 15.0 | N | N | 70 | 1,000 | <2 |
| 84SC239 | 17 43 59 | 64 41 30 | 10.0 | 5.0 | 1.5 | .150 | 5,000 | 15.0 | N | N | 100 | 700 | 2 |
| 84SC240 | 17 44 5 | 64 41 17 | 10.0 | 5.0 | 1.5 | .200 | >10,000 | N | N | N | 100 | 1,000 | 3 |
| 84SC240 | 17 44 5 | 64 41 19 | 10.0 | 5.0 | 1.5 | .200 | >10,000 | N | N | N | 100 | 1,000 | 3 |
| 84SC240S | 17 44 5 | 64 41 17 | 7.0 | 5.0 | 1.0 | .100 | 7,000 | 30.0 | N | N | 150 | 500 | N |
| 84SC240S | 17 44 5 | 64 41 19 | 7.0 | 5.0 | 1.0 | .100 | 7,000 | 30.0 | N | N | 150 | 500 | N |
| 84SC241 | 17 43 10 | 64 41 27 | 10.0 | 3.0 | 1.5 | .200 | 3,000 | 2.0 | N | N | 150 | 700 | 5 |
| 84SC242 | 17 43 13 | 64 40 42 | 10.0 | 5.0 | 1.5 | .200 | 5,000 | N | N | N | 70 | 700 | 3 |
| 84SC243 | 17 43 22 | 64 41 42 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | 7.0 | N | N | 70 | 1,500 | 3 |
| 84SC244 | 17 43 8 | 64 41 14 | 10.0 | 3.0 | 1.5 | .100 | 7,000 | 10.0 | N | N | 70 | 1,000 | 3 |
| 84SC245 | 17 43 46 | 64 40 10 | 10.0 | 3.0 | 1.0 | .200 | 10,000 | 20.0 | N | N | 70 | 1,000 | 5 |
| 84SC246 | 17 44 37 | 64 40 29 | 10.0 | 3.0 | 1.5 | .300 | 2,000 | <1.0 | N | N | 200 | 1,000 | 3 |
| 84SC247 | 17 44 30 | 64 40 53 | 10.0 | 3.0 | 1.0 | .200 | 5,000 | 7.0 | N | N | 50 | 1,000 | 5 |
| 84SC248 | 17 44 34 | 64 40 47 | 10.0 | 5.0 | 1.5 | .200 | 10,000 | 20.0 | N | N | 70 | 1,000 | 7 |
| 84SC249 | 17 45 31 | 64 40 19 | 10.0 | 2.0 | 1.5 | .150 | >10,000 | N | N | N | 100 | 2,000 | 5 |
| 84SC250 | 17 44 47 | 64 41 22 | 10.0 | 2.0 | .7 | .200 | 10,000 | 15.0 | N | N | 150 | 1,000 | 5 |
| 84SC251 | 17 44 26 | 64 41 39 | 7.0 | 3.0 | 1.0 | .200 | 5,000 | N | N | N | 70 | 700 | 2 |
| 84SC251S | 17 44 26 | 64 41 39 | 10.0 | 5.0 | .7 | .150 | >10,000 | N | N | N | 50 | 2,000 | 2 |
| 84SC252 | 17 44 28 | 64 41 47 | 10.0 | 5.0 | 1.5 | .200 | 10,000 | 5.0 | N | N | 70 | 1,000 | 2 |
| 84SC253 | 17 44 43 | 64 42 2 | 10.0 | 3.0 | 2.0 | .100 | 10,000 | 15.0 | N | N | 70 | 1,500 | 3 |
| 84SC254 | 17 44 27 | 64 42 4 | 10.0 | 5.0 | 2.0 | .200 | 7,000 | <1.0 | N | N | 70 | 700 | 3 |
| 84SC255 | 17 44 17 | 64 42 37 | 10.0 | 5.0 | 1.5 | .150 | 3,000 | 3.0 | N | N | 50 | 500 | <2 |
| 84SC256 | 17 43 54 | 64 42 19 | 10.0 | 5.0 | 2.0 | .150 | 10,000 | N | N | N | 100 | 1,000 | 2 |
| 84SC257 | 17 43 25 | 64 42 4 | 10.0 | 5.0 | 1.5 | .150 | 7,000 | 7.0 | N | N | 100 | 1,500 | 5 |
| 84SC258 | 17 43 30 | 64 42 13 | 15.0 | 5.0 | 1.5 | .150 | 10,000 | <1.0 | N | N | 100 | 1,500 | 5 |
| 84SC259S | 17 42 38 | 64 42 14 | 15.0 | 1.5 | .3 | .100 | 7,000 | N | N | N | 70 | 1,000 | 7 |
| 84SC260S | 17 46 58 | 64 45 0 | 10.0 | 3.0 | .5 | .005 | 5,000 | 10.0 | N | N | 50 | 300 | N |
| 84SC261S | 17 46 24 | 64 45 1 | 10.0 | 5.0 | 1.0 | .100 | 3,000 | 100.0 | N | N | 150 | 300 | <2 |
| 84SC262S | 17 46 34 | 64 45 4 | 10.0 | 5.0 | .7 | .150 | 7,000 | 20.0 | N | N | 70 | 700 | <2 |
| 84SC263 | 17 46 9 | 64 44 59 | 10.0 | 3.0 | 1.5 | .150 | 5,000 | 5.0 | N | N | 150 | 700 | <2 |
| 84SC264S | 17 46 16 | 64 44 25 | 10.0 | 5.0 | 1.0 | .100 | 10,000 | 15.0 | N | N | 50 | 500 | <2 |
| 84SC264S | 17 46 13 | 64 44 22 | 10.0 | 5.0 | 1.0 | .100 | 10,000 | 15.0 | N | N | 50 | 500 | <2 |
| 84SC267S | 17 41 19 | 64 52 49 | 7.0 | 5.0 | .5 | .070 | 10,000 | 70.0 | N | N | 150 | 700 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC224 | N | N | 500 | 500 | 500 | N | N | N | 50 | 200 | N | 10 | N | N |
| 84SC225 | N | N | 300 | 200 | 500 | N | N | N | 300 | 100 | N | 10 | N | N |
| 84SC226 | N | N | 150 | 150 | 700 | N | N | N | 300 | 100 | N | 10 | N | N |
| 84SC227 | N | N | 200 | 150 | 300 | N | N | N | 300 | 150 | N | 15 | N | 200 |
| 84SC228 | N | N | 150 | 70 | 500 | N | N | N | 50 | 70 | N | 15 | N | N |
| 84SC229 | N | N | 500 | 200 | 500 | N | N | N | 300 | 100 | N | 10 | N | <200 |
| 84SC230S | N | N | 200 | 300 | 500 | N | N | N | 300 | 100 | N | <10 | N | N |
| 84SC231 | N | N | 200 | 300 | 700 | N | N | N | 300 | 70 | N | 15 | N | N |
| 84SC232S | N | N | 500 | 1,000 | 500 | N | N | N | 500 | 150 | N | 10 | N | N |
| 84SC233 | N | N | 300 | 300 | 500 | N | N | N | 500 | 50 | N | <10 | N | 300 |
| 84SC234 | N | N | 200 | 300 | 500 | N | N | N | 300 | 100 | N | 10 | N | 200 |
| 84SC235 | N | N | 500 | 500 | 700 | N | N | N | 700 | 70 | N | <10 | N | 200 |
| 84SC236 | N | N | 500 | 700 | 500 | <50 | N | N | 700 | 300 | N | <10 | N | N |
| 84SC239 | N | N | 200 | 100 | 500 | N | N | N | 150 | 70 | N | <10 | N | <200 |
| 84SC240 | N | N | 300 | 300 | 500 | N | N | N | 500 | 150 | N | 10 | N | N |
| 84SC240 | N | N | 300 | 300 | 500 | N | N | N | 500 | 150 | N | 10 | N | N |
| 84SC240S | 30 | N | 200 | 100 | 500 | N | N | N | 100 | 50 | N | 15 | N | N |
| 84SC240S | 30 | N | 200 | 100 | 500 | N | N | N | 100 | 50 | N | 15 | N | N |
| 84SC241 | N | N | 150 | 500 | 500 | N | N | N | 300 | 70 | N | 15 | N | <200 |
| 84SC242 | N | N | 150 | 300 | 500 | <50 | N | N | 300 | 100 | N | 20 | N | N |
| 84SC243 | N | N | 200 | 300 | 500 | N | N | N | 300 | 100 | N | 10 | N | <200 |
| 84SC244 | N | N | 150 | 200 | 300 | N | N | N | 200 | 100 | N | 15 | N | N |
| 84SC245 | N | N | 200 | 500 | 500 | 50 | N | N | 500 | 100 | N | 15 | N | N |
| 84SC246 | N | N | 150 | 700 | 700 | N | N | N | 500 | 70 | N | 15 | N | N |
| 84SC247 | N | N | 150 | 200 | 500 | 50 | N | N | 300 | 70 | N | 15 | N | N |
| 84SC248 | N | N | 300 | 700 | 500 | 50 | N | N | 700 | 150 | N | 15 | N | <200 |
| 84SC249 | N | N | 1,500 | 2,000 | 200 | N | N | N | 1,000 | 300 | N | <10 | N | 300 |
| 84SC250 | N | N | 200 | 100 | 300 | 70 | N | N | 150 | 100 | N | 10 | N | N |
| 84SC251 | N | N | 150 | 150 | 500 | N | N | N | 200 | 30 | N | 10 | N | N |
| 84SC251S | N | N | 500 | 100 | 500 | <50 | N | N | 150 | 70 | N | <10 | N | <200 |
| 84SC252 | N | N | 200 | 200 | 500 | N | N | N | 200 | 70 | N | 10 | N | N |
| 84SC253 | N | N | 300 | 150 | 500 | 50 | N | N | 150 | 200 | N | 10 | N | 500 |
| 84SC254 | N | N | 200 | 100 | 500 | N | N | N | 100 | 200 | N | 10 | N | 300 |
| 84SC255 | N | N | 150 | 150 | 500 | N | N | N | 70 | <20 | N | 10 | N | N |
| 84SC256 | N | N | 200 | 150 | 500 | N | N | N | 200 | 150 | N | 15 | N | N |
| 84SC257 | N | N | 150 | 200 | 500 | 70 | N | N | 200 | 150 | N | 20 | N | N |
| 84SC258 | N | N | 200 | 200 | 500 | N | N | N | 300 | 150 | N | 20 | N | 300 |
| 84SC259S | N | N | 150 | 150 | 300 | N | N | N | 150 | 150 | N | 15 | N | N |
| 84SC260S | N | N | 100 | 70 | 300 | N | N | N | 30 | <20 | N | <10 | N | N |
| 84SC261S | N | N | 150 | 300 | 500 | N | N | N | 200 | <20 | N | N | N | 700 |
| 84SC262S | N | N | 150 | 70 | 300 | N | N | N | 50 | 70 | N | 20 | N | N |
| 84SC263 | N | N | 150 | 200 | 500 | N | N | N | 200 | 50 | N | 10 | N | N |
| 84SC264S | N | N | 150 | 150 | 500 | N | N | N | 70 | 100 | N | 15 | N | N |
| 84SC264S | N | N | 150 | 150 | 500 | N | N | N | 70 | 100 | N | 15 | N | N |
| 84SC267S | N | N | 200 | 300 | 100 | N | N | N | 200 | <20 | N | N | N | 700 |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC224 | 700 | N | 50 | 700 | 30 | N |
| 84SC225 | 700 | N | <20 | 700 | <20 | N |
| 84SC226 | 300 | N | <20 | 700 | N | N |
| 84SC227 | 500 | N | 30 | 700 | <20 | N |
| 84SC228 | 500 | N | 30 | 700 | 50 | N |
| 84SC229 | 500 | N | 30 | 700 | 50 | N |
| 84SC230S | 500 | N | 30 | 500 | <20 | N |
| 84SC231 | 700 | N | N | 500 | N | N |
| 84SC232S | 700 | N | 20 | 700 | N | N |
| 84SC233 | 500 | N | N | 700 | 50 | N |
| 84SC234 | 500 | N | N | 700 | 20 | N |
| 84SC235 | 500 | N | N | 700 | 20 | N |
| 84SC236 | 500 | N | 30 | 700 | <20 | N |
| 84SC239 | 500 | N | N | 700 | 30 | N |
| 84SC240 | 500 | N | <20 | 700 | 30 | N |
| 84SC240 | 500 | N | <20 | 700 | 30 | N |
| 84SC240S | 500 | N | <20 | 500 | 20 | N |
| 84SC240S | 500 | N | <20 | 500 | 20 | N |
| 84SC241 | 700 | N | 30 | 700 | 50 | N |
| 84SC242 | 500 | N | 70 | 1,000 | 30 | N |
| 84SC243 | 500 | N | 50 | 500 | 70 | N |
| 84SC244 | 500 | N | 50 | 700 | 50 | N |
| 84SC245 | 700 | N | 70 | 700 | 70 | N |
| 84SC246 | 700 | N | 20 | 1,000 | 30 | N |
| 84SC247 | 500 | N | 50 | 700 | 30 | N |
| 84SC248 | 500 | N | 50 | 700 | 30 | N |
| 84SC249 | 1,000 | N | 30 | 700 | <20 | N |
| 84SC250 | 700 | N | 50 | 700 | 50 | N |
| 84SC251 | 300 | N | N | 700 | <20 | N |
| 84SC251S | 500 | N | 30 | 700 | 30 | N |
| 84SC252 | 500 | N | N | 700 | 50 | N |
| 84SC253 | 700 | N | 50 | 1,000 | 50 | N |
| 84SC254 | 700 | N | 20 | 1,000 | 50 | N |
| 84SC255 | 500 | N | 20 | 500 | 20 | N |
| 84SC256 | 700 | N | 30 | 700 | 70 | N |
| 84SC257 | 700 | N | 70 | 500 | 70 | N |
| 84SC258 | 700 | N | 50 | 500 | 70 | N |
| 84SC259S | 1,000 | N | 20 | <500 | 70 | N |
| 84SC260S | 300 | N | N | 700 | N | N |
| 84SC261S | 500 | N | N | 700 | N | N |
| 84SC262S | 300 | N | 50 | 700 | 30 | N |
| 84SC263 | 300 | N | N | 700 | 30 | N |
| 84SC264S | 500 | N | 20 | 500 | 50 | N |
| 84SC264S | 500 | N | 20 | 500 | 50 | N |
| 84SC267S | 200 | N | N | 500 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Latitude | Longtude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | Au-ppm s | B-ppm s | Ba-ppm s | Be-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC268S | 17 41 29 | 64 52 14 | 7.0 | 5.0 | .5 | .070 | 3,000 | 100.0 | N | N | 500 | 500 | <2 |
| 84SC269S | 17 41 30 | 64 51 47 | 7.0 | 2.0 | 2.0 | .100 | >10,000 | 15.0 | N | N | 300 | 2,000 | 5 |
| 84SC270S | 17 41 33 | 64 50 53 | 15.0 | 1.0 | .7 | .030 | >10,000 | <1.0 | N | N | 70 | 3,000 | 5 |
| 84SC271S | 17 41 38 | 64 51 22 | 10.0 | 3.0 | 1.0 | .150 | >10,000 | 5.0 | N | N | 150 | 3,000 | 5 |
| 84SC272S | 17 42 6 | 64 50 37 | 10.0 | 1.5 | 1.0 | .030 | >10,000 | N | N | N | 150 | 5,000 | 5 |
| 84SC274S | 17 41 33 | 64 50 25 | 10.0 | 1.5 | 2.0 | .050 | >10,000 | N | N | N | 200 | 7,000 | 5 |
| 84SC275S | 17 42 8 | 64 51 5 | 10.0 | 3.0 | 2.0 | .150 | >10,000 | N | N | N | 150 | 3,000 | 5 |
| 84SC276S | 17 42 0 | 64 52 20 | 7.0 | 3.0 | .3 | .070 | 2,000 | 20.0 | N | N | 300 | 300 | <2 |
| 84SC277S | 17 41 52 | 64 52 43 | 7.0 | 5.0 | .7 | .100 | 3,000 | 150.0 | N | N | 300 | 700 | 2 |
| 84SC278S | 17 42 13 | 64 51 46 | 10.0 | 5.0 | 1.0 | .150 | 3,000 | 10.0 | N | N | 300 | 1,000 | 3 |
| 84SC279S | 17 42 30 | 64 51 9 | 15.0 | 2.0 | 3.0 | .100 | >10,000 | 70.0 | N | N | 100 | 7,000 | 5 |
| 84SC280S | 17 42 35 | 64 50 40 | 10.0 | 5.0 | .7 | .100 | 5,000 | 20.0 | N | N | 150 | 2,000 | <2 |
| 84SC281S | 17 41 34 | 64 49 27 | 5.0 | 7.0 | .7 | .050 | 3,000 | 15.0 | N | N | 300 | 700 | N |
| 84SC282S | 17 41 53 | 64 49 47 | 20.0 | 2.0 | 1.5 | .100 | >10,000 | 50.0 | N | N | 150 | 3,000 | 3 |
| 84SC283S | 17 42 30 | 64 49 47 | 10.0 | 2.0 | 1.5 | .100 | >10,000 | 7.0 | N | N | 150 | 5,000 | 5 |
| 84SC284S | 17 42 38 | 64 50 13 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | N | N | N | 70 | 1,500 | <2 |
| 84SC285S | 17 45 23 | 64 41 35 | 15.0 | 1.5 | .7 | .070 | 5,000 | 10.0 | N | N | 150 | 700 | 5 |
| 84SC286S | 17 44 24 | 64 40 13 | 7.0 | 3.0 | 1.5 | .070 | >10,000 | 15.0 | N | N | 100 | 1,000 | 2 |
| 84SC287S | 17 43 12 | 64 41 40 | 15.0 | 1.5 | .7 | .070 | 7,000 | 5.0 | N | N | 150 | 700 | 7 |
| 84SC288S | 17 43 26 | 64 41 44 | 7.0 | 2.0 | 1.0 | .070 | >10,000 | N | N | N | 150 | 1,500 | 5 |
| 84SC289S | 17 43 38 | 64 41 42 | 7.0 | 3.0 | 1.5 | .070 | >10,000 | <1.0 | N | N | 150 | 1,500 | 2 |
| 84SC290S | 17 43 41 | 64 41 36 | 10.0 | 3.0 | 1.5 | .150 | 10,000 | <1.0 | N | N | 70 | 1,000 | <2 |
| 84SC291S | 17 43 49 | 64 41 30 | 10.0 | 3.0 | 1.0 | .100 | 7,000 | 7.0 | N | N | 100 | 700 | <2 |
| 84SC293S | 17 44 26 | 64 41 31 | 15.0 | 2.0 | 1.5 | .150 | >10,000 | N | N | N | 100 | 2,000 | 5 |
| 84SC294S | 17 44 39 | 64 41 46 | 15.0 | 3.0 | 1.0 | .200 | >10,000 | N | N | N | 100 | 2,000 | 3 |
| 84SC295S | 17 44 32 | 64 41 47 | 10.0 | 5.0 | 1.0 | .200 | 10,000 | N | N | N | 100 | 700 | 3 |
| 84SC297S | 17 44 8 | 64 41 40 | 10.0 | 5.0 | 1.5 | .200 | >10,000 | N | N | N | 150 | 1,500 | 5 |
| 84SC298S | 17 44 10 | 64 41 52 | 10.0 | 3.0 | 1.5 | .100 | >10,000 | 15.0 | N | N | 200 | 1,500 | 5 |
| 84SC299 | 17 45 45 | 64 51 2 | 10.0 | 5.0 | 1.0 | .150 | 7,000 | N | N | N | 30 | 300 | N |
| 84SC300 | 17 45 42 | 64 50 41 | 15.0 | 5.0 | 1.5 | .150 | 5,000 | <1.0 | N | N | 50 | 500 | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | Bi-ppm s | Cd-ppm s | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84SC268S | N | N | 100 | 300 | 150 | N | N | N | 100 | <20 | N | N | N | 500 |
| 84SC269S | N | N | 300 | 700 | 300 | N | N | N | 300 | 70 | N | <10 | N | 500 |
| 84SC270S | N | N | 500 | 300 | 300 | 70 | N | N | 200 | 200 | N | 15 | N | N |
| 84SC271S | N | N | 300 | 300 | 300 | N | N | N | 150 | 50 | N | N | N | 700 |
| 84SC272S | N | N | 700 | 150 | 500 | N | N | N | 200 | 50 | N | N | N | 1,000 |
| 84SC274S | N | N | 1,000 | 100 | 700 | N | <10 | N | 300 | 150 | N | 10 | N | 500 |
| 84SC275S | N | N | 300 | 200 | 300 | N | N | N | 200 | 150 | N | 10 | N | 500 |
| 84SC276S | N | N | 50 | 150 | 100 | N | N | N | 70 | N | N | N | N | 500 |
| 84SC277S | N | N | 150 | 200 | 150 | N | N | N | 100 | N | N | N | N | 700 |
| 84SC278S | N | N | 150 | 200 | 150 | N | N | N | 100 | <20 | N | N | N | 700 |
| 84SC279S | N | N | 700 | 200 | 500 | N | N | N | 300 | 150 | N | <10 | N | 700 |
| 84SC280S | N | N | 150 | 300 | 300 | N | N | N | 100 | <20 | N | N | N | 300 |
| 84SC281S | N | N | 70 | 200 | 100 | N | N | N | 70 | <20 | N | N | N | 700 |
| 84SC282S | N | N | 500 | 200 | 500 | N | N | N | 150 | 70 | N | N | N | 1,000 |
| 84SC283S | N | N | 500 | 500 | 300 | N | N | N | 200 | 70 | N | N | N | 500 |
| 84SC284S | N | N | 200 | 200 | 500 | N | N | N | 100 | 100 | N | 10 | N | 300 |
| 84SC285S | N | N | 300 | 2,000 | 300 | N | N | N | 500 | 200 | N | 15 | N | N |
| 84SC286S | N | N | 700 | 300 | 500 | N | N | N | 700 | 150 | N | <10 | N | N |
| 84SC287S | N | N | 200 | 200 | 150 | <50 | N | N | 100 | 300 | N | 10 | N | 200 |
| 84SC288S | N | N | 500 | 300 | 300 | 70 | N | N | 300 | 200 | N | 15 | N | 200 |
| 84SC289S | N | N | 300 | 150 | 300 | N | N | N | 300 | 150 | N | <10 | N | N |
| 84SC290S | N | N | 300 | 300 | 300 | N | N | N | 200 | 100 | N | 15 | N | N |
| 84SC291S | N | N | 200 | 300 | 300 | N | N | N | 300 | 70 | N | <10 | N | N |
| 84SC293S | N | N | 500 | 100 | 300 | <50 | N | N | 150 | 200 | N | 10 | N | 200 |
| 84SC294S | N | N | 700 | 70 | 300 | N | N | N | 150 | 200 | N | 10 | N | N |
| 84SC295S | N | N | 200 | 70 | 700 | N | N | N | 100 | 100 | N | 10 | N | N |
| 84SC297S | N | N | 300 | 300 | 300 | N | N | N | 300 | 100 | N | 10 | N | <200 |
| 84SC298S | N | N | 500 | 300 | 500 | <50 | N | N | 500 | 100 | N | <10 | N | <200 |
| 84SC299 | N | N | 200 | 70 | 300 | N | N | N | 100 | 50 | N | 15 | N | N |
| 84SC300 | N | N | 150 | 100 | 500 | N | N | N | 100 | 70 | N | 10 | N | N |

Table 9. Semiquantitative Spectrographic Analyses of oxalic-acid leachates derived from the bromoform-light fraction from the U. S. Virgin Islands.--Continued

| Sample | V-ppm s | W-ppm s | Y-ppm s | Zn-ppm s | Zr-ppm s | Th-ppm s |
|---|---|---|---|---|---|---|
| 84SC268S | 200 | N | N | <500 | 20 | N |
| 84SC269S | 700 | N | <20 | 700 | 100 | N |
| 84SC270S | 1,500 | N | 150 | N | 70 | N |
| 84SC271S | 1,000 | N | N | 1,000 | N | N |
| 84SC272S | 1,500 | N | N | <500 | 20 | N |
| 84SC274S | 1,500 | N | <20 | <500 | 70 | N |
| 84SC275S | 1,000 | N | <20 | <500 | 70 | N |
| 84SC276S | 200 | N | N | N | N | N |
| 84SC277S | 200 | N | N | <500 | <20 | N |
| 84SC278S | 700 | N | N | <500 | <20 | N |
| 84SC279S | 2,000 | N | 20 | 700 | 70 | N |
| 84SC280S | 700 | N | N | <500 | N | N |
| 84SC281S | 150 | N | N | N | N | N |
| 84SC282S | 1,500 | N | N | 500 | 50 | N |
| 84SC283S | 1,500 | N | N | N | 70 | N |
| 84SC284S | 700 | N | N | 700 | 50 | N |
| 84SC285S | 700 | N | 50 | 700 | 20 | N |
| 84SC286S | 500 | N | <20 | 700 | <20 | N |
| 84SC287S | 700 | N | 100 | 700 | 70 | N |
| 84SC288S | 500 | N | 70 | 700 | 50 | N |
| 84SC289S | 300 | N | 50 | 500 | 30 | N |
| 84SC290S | 700 | N | 30 | 700 | 70 | N |
| 84SC291S | 500 | N | N | <500 | 20 | N |
| 84SC293S | 1,000 | N | 50 | 700 | 70 | N |
| 84SC294S | 700 | N | 30 | 700 | 70 | N |
| 84SC295S | 700 | N | 30 | 1,000 | 30 | N |
| 84SC297S | 500 | N | 50 | 500 | 70 | N |
| 84SC298S | 3,000 | N | 100 | 700 | 50 | N |
| 84SC299 | 500 | N | 30 | 700 | <20 | N |
| 84SC300 | 700 | N | N | 500 | <20 | N |