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Analytical results of insoluble-residue samples from the Paducah 1° x 2° quadrangle, Missouri, Illinois, and Kentucky: Drill hole nos. I18 - I29 (excluding I23).

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INTRODUCTION

Geochemical studies of the Paducah 1° x 2° quadrangle, Missouri, Illinois, and Kentucky, were begun in 1986 as part of a multidisciplinary study by the U.S. Geological Survey, the Missouri Division of Geology and Land Survey, the State Geological Survey Division of the Illinois Department of Energy and Natural Resources, and the Kentucky Geological Survey. The purpose of the study was to assess the mineral resource potential of the area by integrated geologic, geochemical, and geophysical studies.

The geochemical studies have been directed at the characterization of the sedimentary rocks in the quadrangle through spectrographic analyses and ion-selective analyses of dilute-hydrochloric-acid insoluble-residue samples of whole rock from widely-spaced drill holes. Drill holes have been selected for study from the sample libraries of the Missouri Division of Geology and Land Survey (MGLS), the Illinois State Geological Survey Division (ISGS), and the Kentucky Geological Survey (KGS). None of the holes are company confidential and none intersect economically significant mineralized ground.

The analytical results for drill holes I18 - I29 (excluding I23) are listed in tables 3-13, respectively. Well name, well number, and county allow for identification and location of drill hole files at the ISGS (fig.1, table 1).

SAMPLE PREPARATION

Insoluble residues were prepared by dissolving approximately 80 grams of crushed carbonate rock with repeated applications of 1:5 (~2.4N) hydrochloric acid until the carbonate was removed. The samples were then washed repeatedly with tap water and dried overnight at 50 °C.

The insoluble-residues were pulverized to minus 140 mesh (0.105 mm) in a vertical grinder equipped with ceramic plates. Some insoluble-residue samples contained only a few milligrams of material, and these were hand ground with an agate mortar and pestle. A hand magnet was passed over the insoluble-residue samples before grinding to remove filings or chips of drill bit that might have been present.

SAMPLE ANALYSIS

Spectrographic Method

The insoluble-residue samples were analyzed for 35 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination (LLD's) are listed in table 2. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given

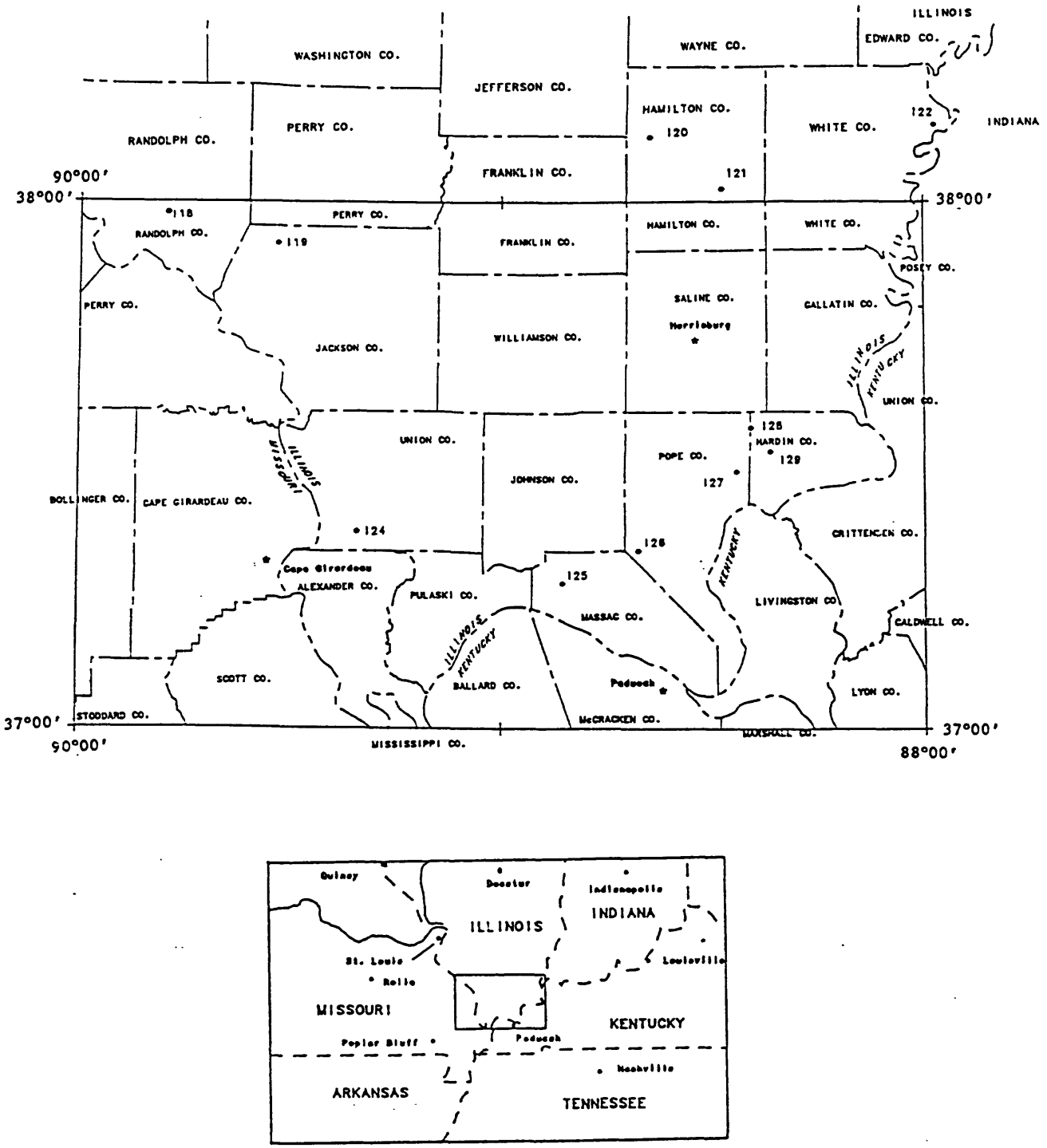

Figure 1. Location of drill holes I18-I29 (excluding I23), Paducah 1°x 2° quadrangle, Missouri, Illinois, and Kentucky.

order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (Ca, Fe, Mg, Na, P, and Ti) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data for the drill holes are listed in tables 3-13.

Ion-selective electrode method

The insoluble-residue samples were analyzed for fluorine (F) using an ion-selective electrode (ISE) method (Hopkins, 1977; O'Leary and Meier, 1986). Samples are fused with a sodium carbonate-potassium carbonate-potassium nitrate flux and the fused sample is dissolved with citric acid. Sodium citrate buffer, which also serves as an ionic strength adjustor, is then added to this solution prior to determining the fluorine concentration by standard-additions technique. The LLD for this method is 100 ppm (.01%). Drill holes analyzed by this method after 1989 had a LLD of 500 ppm (.05%) on request, by the submitter, to quicken the analytical procedure. Analytical results using this method are listed in tables 3-13.

DATA STORAGE SYSTEM

Upon completion of all analytical work, the results were entered into a computer data base called PLUTO. This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (Van Trump and Miesch, 1977).

DESCRIPTIONS OF DATA TABLES

Tables 3-13 list the results of analyses for the insoluble-residue samples. For these tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. For these sample numbers, the letter "I" indicates Illinois; the next two digits indicate the drill hole number; the letter "R", if present, indicates an insoluble-residue sample; the final digits identify the depth from the bottom of the sample interval to the drill hole collar.

The stratigraphic unit of the sample is identified by a coded number in the last column of tables 3-13. The codes and corresponding formation names are listed in table 14.

Columns in which the element headings show the letter "s" below the element symbol indicates emission spectrographic analyses; "ise" indicates fluorine analyses by an ion-selective

electrode method. A letter "N" in the tables indicates that a given element was looked for but not detected at the LLD shown in table 2. A "less than" symbol (<) entered in the tables in front of the LLD indicates that an element was observed but was below the lowest reporting value. If an element was observed above the highest reporting value, a "greater than" symbol (>) was entered in the tables in front of the upper limit of determination. If an element was not looked for in a sample, two dashes (--) are entered in the tables in place of an analytical value. Because of the formatting used in the computer program that produced the data tables, some of the elements listed in these tables (Fe, Mg, Ca, P, Ti, Ag, and Be) may carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeros.

ACKNOWLEDGEMENTS

The authors wish to thank Greg Bennett and F.W. Tippitt for their assistance in the preparation of the insoluble-residue samples.

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Table 1.--Drill hole information

DRILL HOLE NO.	ISGS WELL NAME	ISGS WELL LOG NO.	COUNTY	SECTION, TOWNSHIP, AND RANGE
I18	Schroeder #1	SS2995	Randolph	27-6S-6W
I19	Lange #4	SS206	Jackson	15-7S-4W
I20	Leslie #1	C2488	Hamilton	22-5S-5E
I21	Cuppy Well	SS52094	Hamilton	6-6S-7E
I22	Ford C-17	C2740	White	27-4S-14W
I24	Pickel #1	SS55458	Union	21-13S-2W
I25	Harvick #1	SS1396	Massac	23-14S-3E
I26	Okerson #1	SS21246	Pope	32-13S-5E
I27	Horace Bell #1	C3201	Pope	9-12S-7E
I28	Knox and Yingling Proj. 2037 #K-4	C2522	Hardin	11-11S-7E
I29	Fricker #1	SS1670	Hardin	30-11S-8E

Table 2.—Limits of determination for the spectrographic analysis of insoluble-residue samples, based on a 10-mg sample.

Elements	Lower determination limit	Upper determination limit
	Weight percent	
Calcium (Ca)	0.05	20
Iron (Fe)	.05	20
Magnesium (Mg)	.02	10
Sodium (Na)	.2	5
Phosphorus (P)	.2	10
Titanium (Ti)	.002	1
	Parts per million	
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)	10	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Gallium (Ga)	5	500
Germanium (Ge)	10	100
Lanthanum (La)	50	1,000
Manganese (Mn)	10	5,000
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
Thorium (Th)	100	2,000
Vanadium (V)	10	10,000
Tungsten (W)	20	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Palladium (Pd)*	5	1,000
Platinum (Pt)*	20	1,000

*Determined in heavy-mineral-concentrate samples only. Limits are for heavy-mineral-concentrate samples.

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I18R0145	37 57 45	89 44 0	.05	1.5	.2	.5	N	N	N	100	700
I18R0165	37 57 45	89 44 0	.05	2	.2	1	N	N	N	100	200
I18R0195	37 57 45	89 44 0	<.05	1	.15	.3	N	N	N	50	100
I18R0245	37 57 45	89 44 0	.05	2	.3	.7	N	N	N	100	100
I18R0260	37 57 45	89 44 0	.07	2	.2	.3	N	N	N	100	200
I18R0275	37 57 45	89 44 0	.05	1.5	.1	.1	N	N	N	100	150
I18R0290	37 57 45	89 44 0	.05	1	.3	.2	N	<200	N	100	200
I18R0315	37 57 45	89 44 0	.1	2	.5	.5	N	N	N	100	300
I18R0335	37 57 45	89 44 0	.07	5	1	.5	N	N	N	150	150
I18R0355	37 57 45	89 44 0	.1	5	1	.7	N	N	N	150	100
I18R0370	37 57 45	89 44 0	.1	5	1	.7	N	N	N	200	100
I18R0390	37 57 45	89 44 0	.1	7	1	.7	N	N	N	200	500
I18R0410	37 57 45	89 44 0	.1	2	.7	.5	N	N	N	200	200
I18R0430	37 57 45	89 44 0	<.05	2	1	.5	N	N	N	200	100
I18R0440	37 57 45	89 44 0	.05	2	1	.7	N	N	N	200	100
I18R0455	37 57 45	89 44 0	<.05	1	.3	1	N	N	N	150	200
I18R0470	37 57 45	89 44 0	<.05	2	.3	1	N	N	N	200	100
I18R0485	37 57 45	89 44 0	.07	2	.7	1	N	N	N	200	200
I18R0500	37 57 45	89 44 0	1	7	.5	.5	N	N	N	200	100
I18R0520	37 57 45	89 44 0	.1	2	.7	1	N	N	N	150	2,000
I18R0535	37 57 45	89 44 0	<.05	7	1	1	N	N	N	200	200
I18R0550	37 57 45	89 44 0	.05	5	1	1	N	N	N	200	200
I18R0570	37 57 45	89 44 0	<.05	1.5	.2	1	N	N	N	100	100
I18R0590	37 57 45	89 44 0	<.05	1.5	.2	.7	N	N	N	150	150
I18R0710	37 57 45	89 44 0	<.05	.5	.02	.07	N	N	N	10	50
I18R0720	37 57 45	89 44 0	<.05	3	.05	.05	N	N	N	30	500
I18R0745	37 57 45	89 44 0	.05	7	.05	.07	N	N	N	70	500
I18R0770	37 57 45	89 44 0	.07	7	.07	.3	N	N	N	100	150
I18R0780	37 57 45	89 44 0	.05	1	.02	.05	N	<200	N	100	50
I18R0800	37 57 45	89 44 0	.05	1.5	.03	.15	N	N	N	50	150
I18R0810	37 57 45	89 44 0	.15	.3	.02	.03	N	N	N	100	20
I18R0820	37 57 45	89 44 0	.15	.5	.02	.05	N	N	N	100	20
I18R0835	37 57 45	89 44 0	.2	1.5	.1	.3	N	N	N	100	150
I18R0845	37 57 45	89 44 0	.2	.2	.02	.01	N	N	N	70	20
I18R0855	37 57 45	89 44 0	.2	.2	.02	.005	N	N	N	100	20
I18R0870	37 57 45	89 44 0	.2	.2	.02	.01	N	N	N	100	20
I18R0890	37 57 45	89 44 0	.2	2	.05	.05	N	N	N	100	150
I18R0910	37 57 45	89 44 0	.1	.2	.02	.007	N	N	N	150	20
I18R0945	37 57 45	89 44 0	.1	.7	.02	.02	N	N	N	100	150
I18R0965	37 57 45	89 44 0	.15	1.5	.1	.1	1	N	N	100	200
I18R0980	37 57 45	89 44 0	.2	10	.3	.3	2	N	N	200	100
I18R1005	37 57 45	89 44 0	.3	3	.5	.3	5	N	N	200	150
I18R1045	37 57 45	89 44 0	.5	5	.07	.1	1.5	N	N	200	50
I18R1070	37 57 45	89 44 0	2	3	.5	.15	1	N	N	150	50
I18R1095	37 57 45	89 44 0	.3	5	.3	.2	1	N	N	150	150
I18R1120	37 57 45	89 44 0	2	2	.1	.1	.7	N	N	150	50
I18R1140	37 57 45	89 44 0	.7	3	.1	.05	N	N	N	100	100
I18R1160	37 57 45	89 44 0	.5	5	.15	.3	.7	N	N	150	200
I18R1170	37 57 45	89 44 0	2	1	.15	.2	N	N	N	100	150
I18R1190	37 57 45	89 44 0	1	1	.05	.07	N	N	N	150	200
I18R1205	37 57 45	89 44 0	1	.7	.03	.03	N	N	N	100	150
I18R1220	37 57 45	89 44 0	.5	1.5	.1	.2	N	N	N	100	150
I18R1230	37 57 45	89 44 0	.2	.5	.05	.1	N	N	N	100	70
I18R1265	37 57 45	89 44 0	.3	1.5	.1	.3	N	N	N	150	150
I18R1290	37 57 45	89 44 0	1	1	.05	.05	N	N	N	100	100
I18R1320	37 57 45	89 44 0	.7	1.5	.2	.3	N	N	N	150	150
I18R1330	37 57 45	89 44 0	1	.5	.05	.03	N	N	N	50	50
I18R1340	37 57 45	89 44 0	.2	.5	.07	.05	N	N	N	70	50
I18R1350	37 57 45	89 44 0	.2	.5	.02	.02	N	N	N	50	<20
I18R1360	37 57 45	89 44 0	.7	.5	.02	.02	N	N	N	50	50

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I18R0145	1	N	N	5	100	20	N	30	7	<20	30	30
I18R0165	1	N	N	7	100	20	30	20	N	<20	50	10
I18R0195	1	N	N	<5	100	10	N	20	N	N	10	<10
I18R0245	1	N	N	<5	100	15	<20	300	N	N	20	15
I18R0260	1	N	N	5	100	70	N	20	N	N	50	20
I18R0275	<1	N	N	<5	50	7	N	15	5	N	10	<10
I18R0290	1	N	N	5	20	15	N	15	N	N	30	10
I18R0315	1	N	N	7	50	15	30	50	N	N	50	<10
I18R0335	1.5	N	N	20	70	15	N	70	N	<20	70	30
I18R0355	1.5	N	N	15	100	20	N	70	N	<20	70	30
I18R0370	1	N	N	15	100	50	N	70	N	N	100	20
I18R0390	1.5	N	N	15	100	20	N	100	N	N	100	30
I18R0410	2	N	N	10	100	10	N	100	N	N	70	50
I18R0430	2	N	N	10	100	15	N	70	5	<20	70	20
I18R0440	2	N	N	15	100	20	N	70	N	N	100	30
I18R0455	1	N	N	5	100	15	<20	50	N	N	30	<10
I18R0470	1	N	N	5	100	200	<20	50	N	<20	50	<10
I18R0485	1	N	N	7	100	50	30	50	N	<20	70	20
I18R0500	1	N	N	7	100	30	N	50	7	N	100	300
I18R0520	1	N	N	15	100	100	<20	50	<5	N	70	150
I18R0535	1	N	N	10	100	10	30	70	N	N	100	30
I18R0550	1	N	N	10	70	15	N	50	N	N	70	10
I18R0570	<1	N	N	5	100	7	N	20	N	<20	10	<10
I18R0590	<1	N	N	<5	150	7	<20	10	N	<20	20	10
I18R0710	N	N	N	N	20	5	N	<10	N	<20	5	10
I18R0720	<1	N	N	<5	20	15	N	10	N	<20	10	10
I18R0745	N	N	N	5	30	50	N	50	N	<20	50	30
I18R0770	<1	N	N	<5	100	30	N	100	N	<20	70	20
I18R0780	N	N	N	N	15	7	N	<10	N	<20	10	<10
I18R0800	N	N	N	N	15	10	N	10	N	<20	10	15
I18R0810	N	N	N	N	10	<5	N	<10	N	<20	7	<10
I18R0820	N	N	N	N	10	<5	N	<10	<5	<20	10	<10
I18R0835	<1	N	N	N	20	20	N	20	<5	<20	15	100
I18R0845	1	N	N	N	15	<5	N	<10	<5	<20	7	<10
I18R0855	N	N	N	N	15	<5	N	<10	N	<20	5	<10
I18R0870	N	N	N	N	15	<5	N	<10	N	<20	5	<10
I18R0890	N	N	N	N	15	20	N	50	<5	<20	70	150
I18R0910	N	N	N	N	10	<5	N	<10	N	<20	5	<10
I18R0945	N	N	N	N	10	10	N	<10	N	<20	20	10
I18R0965	1.5	N	50	N	10	20	N	20	5	<20	50	10
I18R0980	1	N	70	7	50	70	N	70	20	<20	150	100
I18R1005	1	N	200	5	50	70	N	50	15	<20	150	50
I18R1045	N	N	70	<5	20	50	N	100	15	<20	100	50
I18R1070	N	N	100	<5	50	50	N	70	15	<20	70	2,000
I18R1095	<1	N	150	N	70	70	N	70	15	<20	150	70
I18R1120	N	N	100	N	20	50	N	50	10	<20	100	20
I18R1140	N	N	50	<5	20	20	N	50	5	N	50	20
I18R1160	<1	N	50	5	50	50	N	50	15	N	100	50
I18R1170	<1	N	150	N	50	50	N	20	20	N	70	15
I18R1190	N	N	N	N	20	7	N	10	5	N	10	10
I18R1205	N	N	N	N	20	7	N	10	<5	N	7	<10
I18R1220	N	N	N	<5	50	15	N	15	20	N	70	50
I18R1230	N	N	N	N	30	10	N	10	15	N	30	<10
I18R1265	N	N	50	5	50	50	N	50	30	N	100	20
I18R1290	N	N	20	N	20	15	N	20	15	N	20	<10
I18R1320	<1	N	50	5	50	70	N	50	20	N	100	100
I18R1330	N	N	N	N	15	7	N	10	10	N	15	10
I18R1340	N	N	N	N	15	5	N	10	5	N	10	<10
I18R1350	N	N	N	N	15	<5	N	10	<5	N	10	<10
I18R1360	N	N	N	N	15	5	N	10	<5	N	10	<10

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I18R0145	N	5	N	<100	N	100	<50	15	200	200	.04	3
I18R0165	N	<5	N	100	N	50	<50	30	<200	300	.02	3
I18R0195	N	<5	N	300	N	50	<50	10	<200	200	.03	3
I18R0245	N	5	N	100	N	70	<50	10	<200	500	.05	4
I18R0260	N	5	N	200	N	100	<50	<10	200	150	.08	4
I18R0275	N	<5	N	<100	N	50	<50	N	1,000	50	.03	4
I18R0290	N	5	N	100	N	50	<50	10	500	50	.07	4
I18R0315	N	7	N	<100	N	100	<50	20	<200	300	.07	4
I18R0335	N	10	N	<100	N	100	<50	20	200	100	.08	4
I18R0355	N	10	N	<100	N	100	<50	20	300	100	.07	4
I18R0370	N	10	N	<100	N	100	<50	15	200	100	.07	4
I18R0390	N	10	N	<100	N	100	<50	20	300	100	.05	4
I18R0410	N	10	N	<100	N	100	<50	15	<200	70	.03	4
I18R0430	N	15	N	<100	N	100	<50	15	1,000	70	.06	4
I18R0440	N	10	N	100	N	100	<50	15	<200	100	.06	4
I18R0455	N	7	N	100	N	100	<50	30	N	500	.02	5
I18R0470	N	10	N	<100	N	100	<50	20	N	500	.03	5
I18R0485	N	10	N	150	N	100	<50	20	<200	100	.06	5
I18R0500	N	10	15	200	N	100	<50	20	1,000	200	.04	5
I18R0520	N	10	<10	300	N	100	<50	20	N	300	.09	5
I18R0535	N	15	<10	200	N	100	<50	30	N	150	.07	5
I18R0550	N	15	N	150	N	100	<50	20	N	150	.06	5
I18R0570	N	5	<10	150	N	50	<50	20	N	500	.02	5
I18R0590	N	7	N	100	N	50	<50	10	N	500	.03	6
I18R0710	N	N	N	<100	N	10	<50	10	N	200	.01	6
I18R0720	N	<5	N	<100	N	15	<50	<10	N	200	.01	6
I18R0745	N	<5	N	<100	N	30	<50	<10	<200	300	.01	6
I18R0770	N	5	N	<100	N	50	<50	10	200	700	.02	6
I18R0780	N	N	N	<100	N	15	<50	<10	<200	200	.01	6
I18R0800	N	N	N	<100	N	10	<50	<10	500	500	.01	6
I18R0810	N	N	N	<100	N	10	<50	N	<200	30	.01	6
I18R0820	N	N	N	<100	N	15	<50	<10	300	20	.01	6
I18R0835	N	5	50	<100	N	50	<50	20	500	500	.01	6
I18R0845	N	N	N	<100	N	20	<50	N	N	N	.01	6
I18R0855	N	N	N	<100	N	15	<50	N	N	N	<.01	6
I18R0870	N	N	N	<100	N	10	<50	N	<200	<10	<.01	6
I18R0890	N	N	N	<100	N	10	<50	N	200	100	.01	6
I18R0910	N	N	N	<100	N	10	<50	N	N	20	<.01	6
I18R0945	N	N	N	<100	N	10	<50	N	300	20	.06	6
I18R0965	N	N	N	<100	N	20	<50	N	10,000	200	.07	6
I18R0980	N	5	N	<100	N	100	<50	10	7,000	300	--	7
I18R1005	N	5	N	<100	N	100	<50	N	>10,000	150	--	7
I18R1045	N	N	N	<100	N	30	<50	N	10,000	100	--	7
I18R1070	N	<5	<10	<100	N	50	<50	N	>10,000	150	.04	7
I18R1095	N	5	50	<100	N	100	<50	<10	>10,000	200	.12	7
I18R1120	N	<5	N	<100	N	50	<50	N	10,000	100	.09	7
I18R1140	N	N	N	<100	N	20	<50	N	2,000	70	.07	7
I18R1160	N	5	N	<100	N	50	<50	N	3,000	100	.24	7
I18R1170	N	<5	10	<100	N	30	<50	N	5,000	100	1.68	7
I18R1190	N	N	N	<100	N	20	<50	N	700	50	--	7
I18R1205	N	N	N	<100	N	10	<50	N	500	10	--	7
I18R1220	N	<5	N	<100	N	30	<50	N	700	50	--	7
I18R1230	N	N	N	<100	N	20	<50	N	200	50	.04	7
I18R1265	N	5	N	<100	N	50	<50	N	2,000	150	--	7
I18R1290	N	N	N	<100	N	15	<50	N	1,500	10	.04	7
I18R1320	N	5	50	<100	N	70	<50	N	2,000	150	--	7
I18R1330	N	<5	N	<100	N	10	<50	N	700	10	.24	7
I18R1340	N	N	N	<100	N	15	<50	N	200	10	.02	7
I18R1350	N	N	N	<100	N	<10	<50	N	200	<10	.01	7
I18R1360	N	N	N	<100	N	20	<50	N	500	N	.01	7

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I18R1370	37 57 45	89 44 0	.2	.7	.2	.05	N	N	N	70	150
I18R1380	37 57 45	89 44 0	.5	.7	.3	.2	N	N	N	100	150
I18R1390	37 57 45	89 44 0	.15	.7	.1	.1	N	N	N	100	100
I18R1400	37 57 45	89 44 0	.15	.7	.1	.1	N	N	N	100	100
I18R1410	37 57 45	89 44 0	.2	1	.2	.15	N	N	N	100	100
I18R1420	37 57 45	89 44 0	.2	.3	.05	.05	N	N	N	150	20
I18R1425	37 57 45	89 44 0	7	1	.1	.02	N	N	N	50	<20
I18R1435	37 57 45	89 44 0	.2	.2	.02	.01	N	N	N	100	20
I18R1455	37 57 45	89 44 0	.3	.2	<.02	.002	N	N	N	50	<20
I18R1465	37 57 45	89 44 0	.2	.2	<.02	.01	N	N	N	150	<20
I18R1475	37 57 45	89 44 0	.2	.15	.02	.005	N	N	N	150	20
I18R1485	37 57 45	89 44 0	.3	.1	.02	.003	N	N	N	150	20
I18R1500	37 57 45	89 44 0	.2	.15	<.02	.01	N	N	N	100	20
I18R1510	37 57 45	89 44 0	.5	.15	.02	.005	N	N	N	100	20
I18R1525	37 57 45	89 44 0	.3	.2	.02	.01	N	N	N	100	20
I18R1530	37 57 45	89 44 0	10	2	.2	.01	N	N	N	100	100
I18R1535	37 57 45	89 44 0	1	.3	.05	.005	N	N	N	100	20
I18R1540	37 57 45	89 44 0	.7	.5	.2	.2	N	N	N	150	150
I18R1550	37 57 45	89 44 0	.2	.7	.2	.15	N	N	N	200	100
I18R1555	37 57 45	89 44 0	7	1	.3	.1	N	N	N	100	20
I18R1565	37 57 45	89 44 0	.3	.2	.15	.07	N	N	N	150	50
I18R1575	37 57 45	89 44 0	.15	.15	.03	.03	N	N	N	150	50
I18R1585	37 57 45	89 44 0	.1	.15	.05	.03	N	N	N	100	50
I18R1595	37 57 45	89 44 0	.15	.2	.15	.1	N	N	N	150	100
I18R1605	37 57 45	89 44 0	.1	.2	.15	.05	N	N	N	100	100
I18R1615	37 57 45	89 44 0	.15	1	.3	.15	N	N	N	150	100
I18R1625	37 57 45	89 44 0	.2	1	.7	.5	N	N	N	150	200
I18R1635	37 57 45	89 44 0	.2	1	.5	.3	N	N	N	150	150
I18R1650	37 57 45	89 44 0	20	5	1	.2	N	N	N	150	300
I18R1660	37 57 45	89 44 0	.15	5	2	1	N	N	N	200	500
I18R1670	37 57 45	89 44 0	20	7	.7	.15	N	N	N	150	300
I18R1680	37 57 45	89 44 0	.5	.3	.15	.1	N	N	N	100	100
I18R1705	37 57 45	89 44 0	.07	1	.05	.05	N	N	N	100	30
I18R1730	37 57 45	89 44 0	.1	.7	.2	.15	N	N	N	100	100
I18R1750	37 57 45	89 44 0	.2	.5	.2	.1	N	N	N	100	100
I18R1775	37 57 45	89 44 0	.2	.5	.2	.1	N	N	N	100	70
I18R1800	37 57 45	89 44 0	.1	1	.5	.2	N	N	N	100	150
I18R1825	37 57 45	89 44 0	.05	1	1	.2	N	N	N	100	200
I18R1850	37 57 45	89 44 0	<.05	1.5	1.5	.5	N	N	N	100	200
I18R1875	37 57 45	89 44 0	<.05	1.5	2	.5	N	N	N	100	200
I18R1900	37 57 45	89 44 0	<.05	1.5	2	.7	N	N	N	100	300
I18R1925	37 57 45	89 44 0	<.05	1	2	.5	N	N	N	100	500
I18R1950	37 57 45	89 44 0	<.05	2	2	.7	N	N	N	150	500
I18R1975	37 57 45	89 44 0	<.05	2	2	.7	N	N	N	150	300
I18R2005	37 57 45	89 44 0	<.05	1.5	1	.7	N	N	N	150	300
I18R2035	37 57 45	89 44 0	<.05	2	1	1	N	N	N	100	300
I18R2065	37 57 45	89 44 0	<.05	2	1.5	1	N	N	N	100	500
I18R2095	37 57 45	89 44 0	<.05	2	.7	1	N	N	N	100	500
I18R2130	37 57 45	89 44 0	.05	.5	.05	.05	N	N	N	50	<20
I18R2165	37 57 45	89 44 0	<.05	2	.5	1	N	N	N	100	200
I18R2260	37 57 45	89 44 0	.05	2	.7	1	N	N	N	100	200
I18R2280	37 57 45	89 44 0	.05	5	.5	.3	N	N	N	100	150
I18R2300	37 57 45	89 44 0	<.05	2	1	1	N	N	N	100	200

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I18R1370	N	N	N	N	20	10	N	15	<5	N	15	<10
I18R1380	<1	N	N	N	20	15	N	20	<5	N	20	<10
I18R1390	<1	N	N	N	20	7	N	15	<5	N	15	<10
I18R1400	N	N	N	N	15	10	N	20	<5	N	20	<10
I18R1410	N	N	N	N	15	7	N	20	<5	N	20	<10
I18R1420	N	N	N	5	15	<5	N	10	<5	N	20	<10
I18R1425	N	N	N	N	15	10	N	100	<5	N	15	<10
I18R1435	N	N	N	N	15	<5	N	<10	<5	N	10	<10
I18R1455	N	N	N	N	15	<5	N	<10	<5	N	10	<10
I18R1465	N	N	N	N	<10	<5	N	<10	N	N	7	<10
I18R1475	N	N	N	N	<10	5	N	<10	N	N	50	<10
I18R1485	N	N	N	N	<10	<5	N	<10	N	N	20	<10
I18R1500	N	N	N	N	<10	<5	N	<10	N	N	15	<10
I18R1510	N	N	N	N	<10	<5	N	10	N	N	20	<10
I18R1525	N	N	N	N	<10	<5	N	10	N	N	15	<10
I18R1530	N	N	N	N	<10	5	N	200	N	N	15	<10
I18R1535	N	N	N	N	<10	<5	N	30	N	N	10	<10
I18R1540	1	N	N	7	<10	10	N	30	N	N	70	10
I18R1550	N	N	N	5	<10	7	N	20	N	N	100	<10
I18R1555	N	N	N	5	<10	7	N	200	N	N	50	<10
I18R1565	N	N	N	5	<10	<5	N	20	N	N	30	<10
I18R1575	N	N	N	5	<10	<5	N	<10	N	N	50	<10
I18R1585	N	N	N	70	<10	7	N	<10	N	N	300	<10
I18R1595	N	N	N	20	<10	15	N	20	N	N	150	10
I18R1605	N	N	N	5	<10	15	N	15	N	N	50	<10
I18R1615	<1	N	N	7	15	30	N	30	N	N	100	<10
I18R1625	1	N	N	7	20	10	N	70	N	N	100	<10
I18R1635	1	N	N	50	20	20	N	50	N	N	200	<10
I18R1650	<1	N	N	30	50	30	N	5,000	N	N	100	20
I18R1660	1	N	N	500	50	100	N	100	N	N	700	20
I18R1670	N	N	N	100	50	70	N	2,000	N	N	200	20
I18R1680	N	N	N	10	10	7	N	20	N	N	10	<10
I18R1705	<1	N	N	N	10	<5	N	50	N	N	7	<10
I18R1730	<1	N	N	N	20	7	N	20	N	N	10	<10
I18R1750	<1	N	N	N	20	<5	N	15	N	N	10	50
I18R1775	<1	N	N	<5	20	5	N	15	N	N	10	<10
I18R1800	1	N	N	5	30	10	N	30	N	N	15	10
I18R1825	1	N	N	7	50	10	<20	50	N	N	20	30
I18R1850	1	N	N	10	70	20	N	50	N	N	30	20
I18R1875	1	N	N	10	70	15	N	50	N	N	50	15
I18R1900	1	N	N	7	70	15	<20	50	N	N	50	50
I18R1925	1	N	N	15	50	70	N	50	N	N	20	20
I18R1950	1	N	N	15	70	10	N	100	N	<20	70	15
I18R1975	1	N	N	10	70	50	N	70	N	N	70	70
I18R2005	1	N	N	20	50	20	N	50	N	<20	50	20
I18R2035	1	N	N	20	70	15	N	70	N	N	50	10
I18R2065	1	N	N	7	70	10	N	70	N	<20	50	50
I18R2095	1	N	N	N	50	300	N	70	N	<20	30	30
I18R2130	N	N	N	5	10	<5	N	<10	N	N	5	<10
I18R2165	1.5	N	N	10	50	15	N	100	N	<20	20	20
I18R2260	2	N	N	15	100	10	50	100	N	20	30	20
I18R2280	1.5	N	N	20	50	20	N	100	10	N	70	50
I18R2300	2	N	N	10	100	10	50	100	N	N	20	50

TABLE 3--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I18, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I18R1370	N	<5	N	<100	N	50	<50	N	<200	10	.03	7
I18R1380	N	5	N	<100	N	50	<50	N	N	30	.04	7
I18R1390	N	<5	N	<100	N	50	<50	N	N	30	.03	7
I18R1400	N	<5	N	<100	N	50	<50	N	<200	30	.03	7
I18R1410	N	<5	N	<100	N	15	<50	N	200	50	.03	7
I18R1420	N	N	N	<100	N	15	<50	N	N	10	.01	7
I18R1425	N	N	N	<100	N	10	<50	N	N	N	.01	7
I18R1435	N	N	N	<100	N	10	<50	N	<200	<10	.01	7
I18R1455	N	N	N	<100	N	15	<50	N	N	N	<.01	7
I18R1465	N	N	N	<100	N	10	<50	N	<200	N	.01	7
I18R1475	N	N	N	<100	N	10	<50	N	1,000	N	<.01	7
I18R1485	N	N	N	<100	N	10	<50	N	N	N	<.01	7
I18R1500	N	N	N	<100	N	10	<50	N	N	N	.01	7
I18R1510	N	N	N	<100	N	10	<50	N	N	N	.01	7
I18R1525	N	N	N	<100	N	10	<50	N	N	N	.01	7
I18R1530	N	N	N	<100	N	15	<50	N	N	N	.01	7
I18R1535	N	N	N	<100	N	10	<50	N	N	N	<.01	7
I18R1540	N	<5	N	<100	N	50	<50	N	200	50	.03	7
I18R1550	N	N	N	<100	N	50	<50	N	200	20	.03	7
I18R1555	N	N	N	<100	N	20	<50	N	<200	15	.02	7
I18R1565	N	N	N	<100	N	15	<50	N	N	10	.01	7
I18R1575	N	N	N	<100	N	20	<50	N	<200	<10	<.01	7
I18R1585	N	N	N	<100	N	15	<50	N	300	<10	.01	7
I18R1595	N	N	N	<100	N	50	<50	N	N	10	.02	7
I18R1605	N	N	N	<100	N	20	<50	N	N	10	.01	7
I18R1615	N	5	N	<100	N	50	<50	<10	N	20	.03	7
I18R1625	N	7	N	<100	N	100	<50	15	N	100	.04	7
I18R1635	N	7	N	<100	N	100	<50	10	N	50	.04	7
I18R1650	N	10	15	<100	N	100	<50	20	N	50	.08	7
I18R1660	N	15	<10	<100	N	200	<50	15	N	100	.07	7
I18R1670	N	7	15	150	N	100	<50	20	N	50	.07	7
I18R1680	N	<5	N	<100	N	20	<50	<10	N	50	.02	7
I18R1705	N	N	N	<100	N	20	<50	N	<200	30	.01	10
I18R1730	N	N	N	<100	N	30	<50	N	N	100	.03	10
I18R1750	N	N	50	<100	N	20	<50	N	N	70	.03	10
I18R1775	N	N	N	<100	N	20	<50	N	<200	50	.02	10
I18R1800	N	5	N	<100	N	50	<50	<10	N	100	.05	10
I18R1825	N	7	N	<100	N	50	<50	10	N	150	.07	10
I18R1850	N	7	N	<100	N	50	<50	15	N	200	.1	10
I18R1875	N	10	<10	<100	N	50	<50	15	N	200	.1	10
I18R1900	N	10	50	<100	N	70	<50	15	N	200	.1	15
I18R1925	N	10	<10	<100	N	50	<50	15	N	100	.09	15
I18R1950	N	10	<10	<100	N	70	<50	20	N	200	.08	15
I18R1975	N	10	50	<100	N	70	<50	10	N	200	.09	15
I18R2005	N	10	<10	<100	N	50	<50	15	N	200	.09	15
I18R2035	N	10	N	<100	N	50	<50	15	N	150	.08	15
I18R2065	N	10	30	<100	N	50	<50	20	N	150	.07	15
I18R2095	N	7	50	<100	N	50	<50	15	N	500	.03	15
I18R2130	N	N	N	<100	N	50	<50	N	<200	10	.01	15
I18R2165	N	10	N	<100	N	15	<50	30	N	500	.03	15
I18R2260	N	15	N	<100	N	100	<50	20	N	200	.07	21
I18R2280	N	10	<10	<100	N	100	<50	15	700	100	.05	21
I18R2300	N	15	N	<100	N	150	<50	20	N	150	.06	23

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I19R0907	37 53 0	89 30 0	<.05	1.5	.5	.3	N	N	N	70	100
I19R0922	37 53 0	89 30 0	<.05	1	.3	.3	N	N	N	50	150
I19R0977	37 53 0	89 30 0	.15	2	.7	.3	N	N	N	100	300
I19R0982	37 53 0	89 30 0	.2	3	1	.5	N	N	N	100	100
I19R1022	37 53 0	89 30 0	<.05	2	1	.7	N	N	N	150	200
I19R1032	37 53 0	89 30 0	<.05	2	.5	.5	N	N	N	150	200
I19R1042	37 53 0	89 30 0	<.05	5	1	.7	N	N	N	200	100
I19R1052	37 53 0	89 30 0	<.05	3	.3	.2	N	N	N	100	100
I19R1062	37 53 0	89 30 0	<.05	1.5	.1	.1	N	N	N	50	70
I19R1070	37 53 0	89 30 0	<.05	2	.3	.2	N	N	N	70	100
I19R1080	37 53 0	89 30 0	<.05	1	.1	.15	N	N	N	50	100
I19R1100	37 53 0	89 30 0	<.05	.5	.1	.07	N	N	N	30	50
I19R1120	37 53 0	89 30 0	<.05	1	.2	.2	N	N	N	70	200
I19R1140	37 53 0	89 30 0	<.05	3	.7	.5	N	N	N	150	200
I19R1160	37 53 0	89 30 0	<.05	5	1	.5	N	N	N	150	100
I19R1180	37 53 0	89 30 0	<.05	5	1	.5	N	N	N	200	150
I19R1200	37 53 0	89 30 0	<.05	.5	.03	.07	N	N	N	30	100
I19R1220	37 53 0	89 30 0	<.05	.15	.02	.02	N	N	N	30	70
I19R1235	37 53 0	89 30 0	<.05	.3	.02	.1	N	N	N	20	100
I19R1250	37 53 0	89 30 0	.05	2	.03	.1	N	N	N	50	1,000
I19R1260	37 53 0	89 30 0	.05	3	.05	.15	N	N	N	70	50
I19R1275	37 53 0	89 30 0	.07	10	.15	.2	.7	N	N	100	70
I19R1300	37 53 0	89 30 0	.07	5	.3	.2	N	N	N	70	30
I19R1320	37 53 0	89 30 0	.07	5	.5	.3	N	N	N	50	50
I19R1335	37 53 0	89 30 0	.07	1.5	.02	.05	N	N	N	50	<20
I19R1340	37 53 0	89 30 0	.1	2	.5	.3	N	N	N	100	20
I19R1350	37 53 0	89 30 0	.15	2	.5	.3	N	N	N	70	50
I19R1365	37 53 0	89 30 0	.2	1.5	.3	.15	N	N	N	70	<20
I19R1375	37 53 0	89 30 0	.2	1	.05	.2	N	N	N	70	20
I19R1385	37 53 0	89 30 0	.2	.3	.03	.07	N	N	N	100	20
I19R1400	37 53 0	89 30 0	.15	.3	.02	.03	N	N	N	70	20
I19R1410	37 53 0	89 30 0	.1	.15	<.02	.01	N	N	N	100	50
I19R1420	37 53 0	89 30 0	.5	.5	.2	.07	N	N	N	100	70
I19R1430	37 53 0	89 30 0	.15	.15	<.02	.01	N	N	N	50	<20
I19R1440	37 53 0	89 30 0	.2	.2	.02	.01	N	N	N	70	<20
I19R1455	37 53 0	89 30 0	.3	.5	<.02	.01	N	N	N	50	150
I19R1465	37 53 0	89 30 0	.3	1	.1	.15	<.5	N	N	70	200
I19R1480	37 53 0	89 30 0	.2	1.5	.3	.2	N	N	N	70	50
I19R1500	37 53 0	89 30 0	.05	.05	<.02	.005	N	N	N	70	<20
I19R1510	37 53 0	89 30 0	.05	.5	.02	.015	N	N	N	50	20
I19R1530	37 53 0	89 30 0	.2	.5	.02	.015	N	N	N	100	70
I19R1545	37 53 0	89 30 0	.3	2	.5	.3	<.5	<200	N	150	500
I19R1555	37 53 0	89 30 0	.2	.5	.1	.07	N	N	N	100	150
I19R1565	37 53 0	89 30 0	.7	2	.5	.5	2	N	N	150	100
I19R1575	37 53 0	89 30 0	1	1.5	.3	.2	N	N	N	200	200
I19R1585	37 53 0	89 30 0	1.5	2	.5	.2	N	N	N	150	200
I19R1595	37 53 0	89 30 0	5	3	.5	.2	N	<200	N	200	300
I19R1610	37 53 0	89 30 0	3	1.5	.3	.3	N	200	N	200	150
I19R1630	37 53 0	89 30 0	3	2	.3	.2	N	N	N	150	300
I19R1650	37 53 0	89 30 0	1.5	2	.3	.15	<.5	N	N	200	500
I19R1665	37 53 0	89 30 0	1	5	.5	.2	.5	N	N	200	100
I19R1690	37 53 0	89 30 0	.7	5	.5	.3	.5	N	N	200	100
I19R1715	37 53 0	89 30 0	2	1	.07	.02	N	N	N	100	30
I19R1750	37 53 0	89 30 0	2	5	.2	.15	N	N	N	100	100
I19R1775	37 53 0	89 30 0	5	2	.2	.1	N	N	N	150	>5,000
I19R1800	37 53 0	89 30 0	.3	2	.3	.2	N	N	N	150	500
I19R1815	37 53 0	89 30 0	.5	1.5	.2	.2	N	N	N	150	300
I19R1835	37 53 0	89 30 0	.3	1	.07	.07	N	N	N	100	100
I19R1845	37 53 0	89 30 0	.5	3	.3	.3	N	N	N	100	150
I19R1855	37 53 0	89 30 0	.5	2	.2	.2	N	N	N	100	100

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I19R0907	<1	N	N	<5	50	5	N	20	N	N	15	N
I19R0922	<1	N	N	N	150	<5	N	10	N	N	10	N
I19R0977	1	N	N	10	100	10	30	50	N	N	30	<10
I19R0982	1.5	N	N	20	150	20	30	70	N	N	50	20
I19R1022	1.5	N	N	15	100	7	30	70	N	<20	30	<10
I19R1032	1.5	N	N	10	100	7	30	50	N	<20	30	10
I19R1042	1.5	N	N	20	100	20	30	70	N	<20	50	<10
I19R1052	<1	N	N	7	50	7	N	15	N	N	20	N
I19R1062	N	N	N	N	20	5	N	10	N	N	7	N
I19R1070	<1	N	N	<5	20	10	N	15	N	N	15	N
I19R1080	N	N	N	N	100	5	N	15	N	N	7	N
I19R1100	N	N	N	N	20	5	N	10	N	<20	7	N
I19R1120	<1	N	N	N	70	5	N	15	N	<20	7	N
I19R1140	1.5	N	N	15	100	20	30	70	N	<20	50	N
I19R1160	1	N	N	15	100	15	<20	50	N	N	50	N
I19R1180	1.5	N	N	10	100	10	50	70	N	N	50	N
I19R1200	N	N	N	N	30	<5	N	10	N	N	5	N
I19R1220	N	N	N	N	100	<5	N	10	N	N	5	N
I19R1235	N	N	N	N	20	5	N	10	N	N	5	N
I19R1250	N	N	N	N	20	10	N	10	N	N	10	N
I19R1260	<1	N	N	7	20	10	N	20	N	N	30	N
I19R1275	1	N	N	15	30	20	N	50	N	N	30	<10
I19R1300	1	N	N	15	50	20	N	50	5	N	50	<10
I19R1320	1	N	N	20	50	20	N	50	N	N	50	N
I19R1335	N	N	N	N	<10	5	N	20	N	N	10	N
I19R1340	1	N	N	10	20	7	N	20	5	N	30	N
I19R1350	<1	N	N	N	50	10	N	30	7	<20	30	N
I19R1365	N	N	N	N	20	7	N	20	7	N	20	N
I19R1375	N	N	N	N	10	5	N	10	5	N	10	N
I19R1385	N	N	N	N	10	<5	N	<10	N	N	10	N
I19R1400	N	N	N	N	10	<5	N	<10	<5	N	7	N
I19R1410	N	N	N	N	10	<5	N	<10	<5	N	10	N
I19R1420	N	N	N	N	10	<5	N	<10	N	N	7	N
I19R1430	N	N	N	N	10	<5	N	<10	N	N	7	N
I19R1440	N	N	N	N	10	<5	N	<10	<5	N	10	N
I19R1455	N	N	N	N	10	5	N	<10	5	N	15	N
I19R1465	N	N	N	N	20	7	N	10	5	N	50	N
I19R1480	<1	N	N	<5	50	10	N	20	5	N	70	30
I19R1500	N	N	N	N	10	<5	N	<10	<5	N	5	N
I19R1510	N	N	N	N	15	5	N	10	7	N	15	N
I19R1530	N	N	N	N	20	<5	N	15	<5	N	10	<10
I19R1545	N	N	N	N	50	20	N	70	7	N	50	10
I19R1555	N	N	N	N	20	5	N	20	7	N	10	<10
I19R1565	<1	N	20	5	50	20	N	50	50	N	30	20
I19R1575	1	N	<20	<5	50	15	N	50	30	N	20	10
I19R1585	1	N	20	<5	50	15	N	70	30	N	20	20
I19R1595	<1	N	30	<5	100	30	N	100	70	N	30	70
I19R1610	1	N	<20	<5	100	20	N	50	50	N	30	10
I19R1630	<1	N	50	<5	50	10	N	50	20	N	15	15
I19R1650	1	N	500	<5	50	15	N	100	20	N	20	20
I19R1665	1	N	150	10	100	50	N	300	50	N	100	70
I19R1690	1	N	N	5	100	30	N	200	20	N	50	50
I19R1715	N	N	100	N	20	10	N	70	5	N	7	150
I19R1750	<1	N	70	<5	30	20	N	200	5	N	30	20
I19R1775	N	N	50	N	30	10	N	150	10	N	30	50
I19R1800	<1	N	N	<5	30	10	N	70	10	N	30	<10
I19R1815	<1	N	N	N	330	10	N	70	7	N	15	10
I19R1835	N	N	N	N	20	7	N	20	7	N	15	<10
I19R1845	N	N	N	<5	30	15	N	200	7	N	10	<10
I19R1855	N	N	N	<5	20	15	N	200	5	N	20	5,000

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I19R0907	N	<5	N	N	N	20	<50	10	N	200	<.05	5
I19R0922	N	<5	N	N	N	20	<50	<10	N	200	<.05	5
I19R0977	N	7	N	<100	N	50	<50	10	<200	150	.05	5
I19R0982	N	10	N	N	N	100	<50	15	<200	150	.07	5
I19R1022	N	10	N	<100	N	70	<50	10	<200	200	.07	5
I19R1032	N	7	N	<100	N	70	<50	15	N	200	<.05	5
I19R1042	N	15	N	<100	N	100	<50	20	<200	100	.08	5
I19R1052	N	<5	N	N	N	20	<50	N	N	100	<.05	5
I19R1062	N	<5	N	N	N	15	<50	N	N	100	<.05	5
I19R1070	N	<5	N	N	N	20	<50	N	N	100	<.05	5
I19R1080	N	N	N	N	N	15	<50	N	N	300	<.05	5
I19R1100	N	N	N	N	N	15	<50	N	N	200	<.05	5
I19R1120	N	<5	N	N	N	20	<50	15	N	300	<.05	5
I19R1140	N	10	N	N	N	70	<50	10	N	300	.05	5
I19R1160	N	10	N	N	N	100	<50	10	N	200	.08	5
I19R1180	N	10	N	N	N	100	<50	10	<200	150	.1	6
I19R1200	N	N	N	N	N	15	<50	N	N	200	<.05	6
I19R1220	N	N	N	N	N	10	<50	N	N	200	<.05	6
I19R1235	N	N	N	N	N	10	<50	N	N	500	<.05	6
I19R1250	N	N	N	N	N	15	<50	N	N	300	<.05	6
I19R1260	N	N	N	N	N	20	N	<10	N	300	<.05	6
I19R1275	N	5	N	N	N	50	N	10	200	300	<.05	6
I19R1300	N	5	N	N	N	50	N	<10	500	200	.06	6
I19R1320	N	5	N	N	N	70	N	10	<200	300	.06	6
I19R1335	N	N	N	N	N	10	N	N	N	200	.05	6
I19R1340	N	5	N	N	N	50	N	10	<200	200	.08	6
I19R1350	N	<5	N	N	N	50	N	<10	200	300	.12	6
I19R1365	N	N	N	N	N	30	N	N	<200	300	.1	6
I19R1375	N	N	N	N	N	30	<50	N	500	50	<.05	6
I19R1385	N	N	N	N	N	15	<50	N	<200	20	<.05	6
I19R1400	N	N	N	N	N	15	<50	N	<200	10	<.05	6
I19R1410	N	N	N	>5,000	N	10	<50	N	<200	N	<.05	6
I19R1420	N	N	N	1,500	N	20	<50	N	N	150	.08	6
I19R1430	N	N	N	N	N	15	<50	N	<200	N	.06	6
I19R1440	N	N	N	N	N	10	<50	N	<200	N	.05	6
I19R1455	N	N	N	N	N	15	<50	N	<200	N	.15	6
I19R1465	N	N	N	N	N	30	<50	N	<200	100	.16	6
I19R1480	N	5	N	N	N	70	<50	N	300	100	.12	6
I19R1500	N	N	N	N	N	15	<50	N	<200	N	<.05	6
I19R1510	N	N	N	N	N	20	<50	N	200	50	<.05	6
I19R1530	N	N	N	100	N	15	<50	N	700	N	.15	6
I19R1545	N	<5	N	150	N	50	<50	N	700	200	.08	6
I19R1555	N	N	N	200	N	20	<50	N	300	20	.11	6
I19R1565	N	<5	N	200	N	70	<50	N	<200	300	--	6
I19R1575	N	<5	N	700	N	50	<50	N	300	200	.6	6
I19R1585	N	<5	N	700	N	70	<50	N	500	100	.64	6
I19R1595	N	<5	N	1,000	N	100	<50	N	700	100	1.92	6
I19R1610	N	<5	N	100	N	100	<50	N	1,000	200	.48	6
I19R1630	N	<5	N	<100	N	50	<50	N	1,000	50	.9	7
I19R1650	N	<5	10	<100	N	50	<50	N	>10,000	100	.56	7
I19R1665	100	5	N	N	N	100	<50	N	5,000	70	--	7
I19R1690	N	5	N	N	N	100	<50	N	700	150	--	7
I19R1715	N	N	N	N	N	20	<50	N	10,000	20	.32	7
I19R1750	N	N	N	N	N	30	<50	N	3,000	100	1.6	7
I19R1775	N	N	20	2,000	N	20	<50	N	1,500	150	1.6	7
I19R1800	N	N	N	100	N	50	<50	N	<200	100	.26	7
I19R1815	N	N	N	100	N	50	<50	N	300	100	.26	7
I19R1835	N	N	N	<100	N	30	<50	N	500	70	.15	7
I19R1845	N	N	N	<100	N	30	<50	N	<200	200	.09	7
I19R1855	1,000	N	10	N	N	30	<50	N	200	200	<.05	7

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I19R1865	37 53 0	89 30 0	.7	2	.2	.3	N	N	N	100	100
I19R1900	37 53 0	89 30 0	1	5	.3	.5	N	N	N	150	>5,000
I19R1950	37 53 0	89 30 0	3	5	.15	.1	.7	<200	N	100	300
I19R1980	37 53 0	89 30 0	.5	3	.1	.07	.7	<200	N	70	70
I19R1995	37 53 0	89 30 0	.05	.3	.05	.015	N	N	N	150	20
I19R2010	37 53 0	89 30 0	.5	.7	.05	.015	N	N	N	200	1,500
I19R2020	37 53 0	89 30 0	.05	1	.1	.05	N	N	N	200	50
I19R2025	37 53 0	89 30 0	.1	2	.3	.3	N	N	N	200	200
I19R2040	37 53 0	89 30 0	.07	1.5	.3	.2	N	N	N	200	150
I19R2050	37 53 0	89 30 0	.1	1.5	.3	.2	N	N	N	200	200
I19R2060	37 53 0	89 30 0	.1	3	.7	.5	N	N	N	200	500
I19R2070	37 53 0	89 30 0	.05	2	.5	.3	N	N	N	200	200
I19R2080	37 53 0	89 30 0	.05	5	1	.7	N	N	N	200	300
I19R2090	37 53 0	89 30 0	.07	2	.7	.3	N	N	N	150	300
I19R2100	37 53 0	89 30 0	.1	2	.5	.2	N	N	N	200	200
I19R2110	37 53 0	89 30 0	<.05	2	.7	.5	N	N	N	200	300
I19R2120	37 53 0	89 30 0	.05	2	.7	.7	N	N	N	200	200
I19R2130	37 53 0	89 30 0	<.05	2	.7	.7	N	N	N	200	300
I19R2140	37 53 0	89 30 0	.05	3	.7	1	N	N	N	200	300
I19R2150	37 53 0	89 30 0	<.05	3	.7	.7	N	N	N	150	300
I19R2160	37 53 0	89 30 0	<.05	2	.7	.7	N	N	N	200	300
I19R2170	37 53 0	89 30 0	<.05	2	.7	1	N	N	N	150	300
I19R2180	37 53 0	89 30 0	<.05	2	.5	.7	N	N	N	150	300
I19R2190	37 53 0	89 30 0	.05	2	.7	1	N	N	N	200	500
I19R2200	37 53 0	89 30 0	<.05	2	.5	.7	N	N	N	150	300
I19R2210	37 53 0	89 30 0	<.05	7	.7	1	.7	<200	N	200	500
I19R2220	37 53 0	89 30 0	<.05	5	.7	1	N	N	N	200	500
I19R2230	37 53 0	89 30 0	.05	3	1	1	N	N	N	200	700
I19R2240	37 53 0	89 30 0	.05	3	.7	1	N	N	N	200	500
I19R2250	37 53 0	89 30 0	.07	3	.7	1	N	N	N	300	500
I19R2260	37 53 0	89 30 0	.05	3	.7	1	N	N	N	300	500
I19R2270	37 53 0	89 30 0	.05	3	.7	1	N	N	N	300	700
I19R2280	37 53 0	89 30 0	.1	2	.7	.7	N	N	N	200	700
I19R2290	37 53 0	89 30 0	.1	3	1	1	N	N	N	200	700
I19R2300	37 53 0	89 30 0	.15	2	1	1	N	N	N	300	700
I19R2310	37 53 0	89 30 0	.15	3	1	>1	N	N	N	300	700
I19R2320	37 53 0	89 30 0	.07	3	1	>1	N	N	N	500	700
I19R2330	37 53 0	89 30 0	.15	2	1	>1	<.5	N	N	500	700
I19R2340	37 53 0	89 30 0	.07	3	1	>1	N	N	N	500	500
I19R2350	37 53 0	89 30 0	.05	2	1	1	N	N	N	500	700
I19R2360	37 53 0	89 30 0	.07	5	1	>1	.5	N	N	500	700
I19R2370	37 53 0	89 30 0	<.05	3	.7	1	N	N	N	200	500
I19R2380	37 53 0	89 30 0	<.05	3	.5	.5	.5	N	N	200	300
I19R2390	37 53 0	89 30 0	<.05	2	.7	.7	N	N	N	300	300
I19R2395	37 53 0	89 30 0	<.05	3	.5	.7	N	N	N	300	200
I19R2400	37 53 0	89 30 0	<.05	2	.5	1	N	N	N	200	300
I19R2409	37 53 0	89 30 0	<.05	3	.7	1	N	N	N	200	300
I19R2415	37 53 0	89 30 0	<.05	1.5	.05	.07	N	N	N	70	100
I19R2423	37 53 0	89 30 0	.05	.2	.02	.02	N	N	N	70	100
I19R2430	37 53 0	89 30 0	.05	.15	.03	.01	N	N	N	100	50
I19R2438	37 53 0	89 30 0	.07	.2	.02	.015	N	N	N	100	30
I19R2447	37 53 0	89 30 0	<.05	.15	.02	.003	N	N	N	100	<20
I19R2454	37 53 0	89 30 0	<.05	.15	<.02	.003	N	N	N	150	<20
I19R2468	37 53 0	89 30 0	<.05	.2	.03	.005	N	N	N	100	<20
I19R2480	37 53 0	89 30 0	.05	.2	.05	.015	N	N	N	100	<20
I19R2492	37 53 0	89 30 0	.07	.5	.07	.02	N	N	N	100	50
I19R2497	37 53 0	89 30 0	.15	.7	.07	.03	N	N	N	150	50
I19R2503	37 53 0	89 30 0	1.5	2	.7	.2	N	N	N	100	100
I19R2510	37 53 0	89 30 0	1	1	.5	.1	N	N	N	100	70
I19R2519	37 53 0	89 30 0	.2	1	.3	.15	N	N	N	100	50

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I19R1865	<1	N	N	<5	30	200	N	150	7	N	30	300
I19R1900	1	N	N	7	50	100	N	200	5	N	50	100
I19R1950	<1	N	150	7	20	30	N	200	5	N	30	50
I19R1980	N	N	100	10	20	20	N	100	20	N	100	30
I19R1995	N	N	N	N	20	5	N	15	<5	N	10	N
I19R2010	N	N	N	N	20	5	N	15	5	N	7	N
I19R2020	N	N	N	N	20	<5	N	10	5	N	10	<10
I19R2025	<1	N	N	N	50	200	N	70	<5	N	20	10
I19R2040	<1	N	N	N	50	100	N	50	5	N	20	100
I19R2050	<1	N	N	N	50	200	N	50	5	N	15	500
I19R2060	1	N	N	N	70	20	N	100	7	N	20	<10
I19R2070	1	N	N	N	70	15	N	100	7	N	30	10
I19R2080	1	N	N	5	100	10	N	150	10	<20	50	15
I19R2090	1	N	N	N	50	10	N	50	7	N	30	20
I19R2100	1	N	N	N	70	200	N	50	10	N	30	200
I19R2110	1	N	N	N	70	7	N	50	10	N	30	10
I19R2120	1	N	N	N	70	7	<20	70	<5	N	20	10
I19R2130	1	N	N	<5	70	7	<20	100	<5	N	30	10
I19R2140	1	N	N	<5	100	10	<20	100	<5	<20	30	<10
I19R2150	1	N	N	5	100	10	<20	70	5	N	50	<10
I19R2160	1	N	N	<5	100	15	N	70	5	<20	30	10
I19R2170	1	N	N	<5	100	15	N	70	5	<20	20	<10
I19R2180	1.5	N	N	5	100	10	N	70	7	<20	30	10
I19R2190	1.5	N	N	5	150	15	N	70	<5	<20	30	10
I19R2200	1	N	N	<5	100	15	N	70	7	<20	30	10
I19R2210	1	N	N	10	100	20	<20	200	7	<20	50	50
I19R2220	1	N	N	10	100	30	30	200	10	<20	50	30
I19R2230	1	N	N	10	100	30	30	150	<5	<20	50	50
I19R2240	1.5	N	N	5	150	20	<20	200	<5	<20	50	10
I19R2250	1.5	N	N	10	150	30	30	200	N	<20	50	20
I19R2260	1.5	N	N	10	150	30	30	200	N	<20	50	15
I19R2270	2	N	N	10	150	30	50	200	<5	<20	50	20
I19R2280	1.5	N	N	7	100	30	30	200	N	<20	50	50
I19R2290	1.5	N	N	10	150	30	30	200	N	<20	50	50
I19R2300	2	N	N	15	150	30	50	200	7	<20	70	50
I19R2310	2	N	N	15	200	50	70	200	<5	<20	70	50
I19R2320	1.5	N	N	15	200	50	50	300	N	<20	50	30
I19R2330	1.5	N	N	15	150	50	50	200	N	<20	70	50
I19R2340	1.5	N	N	10	200	30	50	200	N	<20	70	50
I19R2350	1.5	N	N	10	150	30	30	150	N	<20	70	30
I19R2360	2	N	N	10	150	20	70	70	<5	<20	50	30
I19R2370	1.5	N	N	15	100	20	50	50	5	<20	50	20
I19R2380	1	N	N	15	100	30	30	50	7	<20	50	30
I19R2390	1.5	N	N	10	100	20	50	50	<5	<20	50	15
I19R2395	2	N	N	20	100	30	50	50	5	<20	50	20
I19R2400	1.5	N	N	15	100	20	50	30	7	<20	50	15
I19R2409	1.5	N	N	15	100	20	50	50	N	<20	50	<10
I19R2415	<1	N	N	5	20	5	N	10	<5	N	30	<10
I19R2423	N	N	N	N	10	<5	N	15	<5	N	7	<10
I19R2430	N	N	N	N	10	<5	N	10	N	N	7	<10
I19R2438	N	N	N	N	10	<5	N	10	<5	N	7	<10
I19R2447	N	N	N	N	10	<5	N	10	<5	N	7	<10
I19R2454	N	N	N	N	10	<5	N	10	N	N	5	<10
I19R2468	N	N	N	N	10	<5	N	10	N	N	7	<10
I19R2480	N	N	N	N	10	<5	N	15	N	N	7	<10
I19R2492	N	N	N	N	10	<5	N	15	N	N	7	<10
I19R2497	N	N	N	N	10	<5	N	15	N	N	7	<10
I19R2503	N	N	N	10	70	10	N	300	<5	N	30	<10
I19R2510	N	N	N	5	20	5	N	100	5	N	15	<10
I19R2519	N	N	N	<5	20	<5	N	30	<5	N	10	<10

TABLE 4--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I19, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I19R1865	200	<5	N	<100	N	70	<50	N	300	200	.25	7
I19R1900	<100	<5	N	100	N	70	<50	N	700	300	.3	7
I19R1950	N	N	N	N	N	30	<50	N	10,000	70	.78	7
I19R1980	N	N	N	N	N	15	<50	N	7,000	100	.07	7
I19R1995	N	N	N	N	N	15	50	N	700	10	<.05	7
I19R2010	N	N	N	N	N	15	50	N	500	N	<.05	7
I19R2020	N	N	N	N	N	20	50	N	N	30	<.05	7
I19R2025	N	<5	N	N	N	100	<50	N	<200	70	<.05	7
I19R2040	N	N	N	N	N	100	50	N	N	150	<.05	7
I19R2050	500	<5	N	100	N	70	50	N	<200	100	<.05	7
I19R2060	N	5	N	150	N	100	50	N	<200	150	.08	7
I19R2070	N	<5	N	N	N	100	50	N	<200	100	.06	7
I19R2080	N	10	N	N	N	150	<50	15	<200	150	.11	7
I19R2090	N	5	N	1,000	N	150	<50	<10	<200	100	.06	7
I19R2100	100	5	N	N	N	100	<50	N	<200	100	.05	7
I19R2110	N	5	N	200	N	100	50	10	<200	150	<.05	7
I19R2120	N	5	N	N	N	100	50	10	<200	100	<.05	7
I19R2130	N	5	N	N	N	150	50	15	<200	100	.06	7
I19R2140	N	7	N	N	N	200	<50	15	<200	150	.06	7
I19R2150	N	7	N	N	N	150	<50	10	<200	150	.06	7
I19R2160	N	5	N	N	N	200	<50	10	<200	150	.05	7
I19R2170	N	5	N	N	N	200	<50	10	<200	150	.05	7
I19R2180	N	5	N	N	N	200	<50	15	<200	100	.05	7
I19R2190	N	5	N	N	N	300	<50	10	<200	150	.05	7
I19R2200	N	10	N	<100	N	200	<50	10	<200	150	<.05	7
I19R2210	N	10	N	<100	N	200	<50	20	<200	200	.05	7
I19R2220	N	15	N	<100	N	200	<50	20	<200	150	.05	7
I19R2230	N	10	N	200	N	200	<50	20	<200	150	.06	7
I19R2240	N	15	N	100	N	200	<50	20	200	200	<.05	7
I19R2250	N	15	N	<100	N	300	<50	20	<200	200	.05	7
I19R2260	N	15	N	<100	N	300	<50	20	<200	200	.05	7
I19R2270	N	10	N	<100	N	200	<50	20	<200	200	.05	7
I19R2280	N	15	N	<100	N	200	<50	15	<200	200	.05	7
I19R2290	N	20	N	150	N	300	<50	20	<200	200	.05	7
I19R2300	N	20	N	100	N	200	<50	30	<200	200	.05	7
I19R2310	N	15	N	100	N	300	<50	30	<200	200	.05	7
I19R2320	N	20	N	<100	N	300	<50	20	<200	150	.05	7
I19R2330	N	15	N	100	N	300	<50	20	<200	200	.05	7
I19R2340	N	15	N	100	N	300	<50	20	<200	150	.05	7
I19R2350	N	15	N	<100	N	200	<50	20	<200	150	.05	7
I19R2360	N	15	N	150	N	200	<50	30	<200	200	.05	7
I19R2370	N	15	N	100	N	200	<50	20	<200	150	.05	7
I19R2380	N	10	N	100	N	150	<50	20	<200	100	.05	7
I19R2390	N	10	N	100	N	200	<50	20	<200	100	.07	7
I19R2395	N	10	N	150	N	200	<50	20	<200	100	.05	7
I19R2400	N	15	N	150	N	150	<50	20	<200	100	.05	7
I19R2409	N	15	N	150	N	200	<50	20	N	200	.05	7
I19R2415	N	N	N	N	N	20	<50	N	N	50	<.05	12
I19R2423	N	N	N	N	N	<10	<50	N	N	<10	<.05	12
I19R2430	N	N	N	N	N	<10	<50	N	N	N	<.05	12
I19R2438	N	N	N	N	N	<10	<50	N	N	N	<.05	12
I19R2447	N	N	N	N	N	<10	<50	N	N	N	<.05	12
I19R2454	N	N	N	N	N	<10	<50	N	N	N	<.05	12
I19R2468	N	N	N	N	N	<10	<50	N	N	N	<.05	12
I19R2480	N	N	N	N	N	<10	<50	N	<200	10	<.05	12
I19R2492	N	N	N	N	N	<10	<50	N	N	70	<.05	12
I19R2497	N	N	N	N	N	<10	<50	N	N	50	<.05	12
I19R2503	N	7	N	N	N	100	<50	N	N	70	<.05	12
I19R2510	N	<5	N	N	N	50	<50	N	N	100	<.05	12
I19R2519	N	N	N	N	N	50	<50	N	<200	150	<.05	12

TABLE 5--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I20, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I20R3309	38 7 30	88 39 0	1.5	.5	.2	.2	N	N	N	100	5,000
I20R3319	38 7 30	88 39 0	.05	3	.7	.5	N	N	N	150	700
I20R3329	38 7 30	88 39 0	.1	7	2	.7	N	N	N	200	200
I20R3339	38 7 30	88 39 0	.15	3	2	.7	N	N	N	200	700
I20R3349	38 7 30	88 39 0	.5	1	.5	.3	N	N	N	100	>5,000
I20R3359	38 7 30	88 39 0	.1	.7	.5	.3	N	N	N	70	300
I20R3369	38 7 30	88 39 0	.1	1	.7	.3	N	N	N	100	200
I20R3379	38 7 30	88 39 0	.15	.3	.15	.3	N	N	N	50	200
I20R3389	38 7 30	88 39 0	<.05	.2	.15	.2	N	N	N	70	300
I20R3399	38 7 30	88 39 0	<.05	.1	.1	.07	N	N	N	70	150
I20R3409	38 7 30	88 39 0	.3	1	.7	1	N	N	N	150	300
I20R3419	38 7 30	88 39 0	.7	.7	.5	.7	N	<200	N	150	200
I20R3429	38 7 30	88 39 0	.3	1	.7	.5	N	N	N	150	100
I20R3439	38 7 30	88 39 0	.15	5	2	.5	N	N	N	200	150
I20R3449	38 7 30	88 39 0	.05	.5	.3	.3	N	N	N	70	200
I20R3459	38 7 30	88 39 0	.5	.5		.5	N	N	N	100	200
I20R3469	38 7 30	88 39 0	.5	1.5		.5	N	N	N	100	100
I20R3477	38 7 30	88 39 0	.1	1.5		.5	N	N	N	70	150

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I20R3309	<1	N	N	<5	50	10	N	50	<5	<20	7	10
I20R3319	1	N	N	5	50	10	N	50	N	<20	50	<10
I20R3329	1	N	N	10	100	150	N	100	<5	20	70	10
I20R3339	1	N	N	15	150	30	N	70	15	20	70	15
I20R3349	<1	N	N	5	50	50	N	30	5	<20	15	15
I20R3359	<1	N	N	<5	70	5	N	20	N	N	10	15
I20R3369	<1	N	N	10	100	10	N	30	5	<20	20	30
I20R3379	<1	N	N	<5	50	5	N	10	<5	<20	7	<10
I20R3389	<1	N	N	<5	20	5	N	20	N	<20	5	10
I20R3399	N	N	N	N	15	<5	N	15	N	N	5	<10
I20R3409	<1	N	N	<5	50	100	N	30	7	20	10	20
I20R3419	N	N	N	N	30	20	N	20	N	20	10	10
I20R3429	<1	N	N	<5	70	50	N	15	N	<20	15	10
I20R3439	<1	N	N	7	100	15	N	30	N	N	20	10
I20R3449	N	N	N	N	50	5	N	15	<5	N	10	10
I20R3459	<1	N	N	N	50	20	N	10	<5	<20	7	15
I20R3469	<1	N	N	<5	20	100	N	10	<5	<20	20	15
I20R3477	<1	N	N	<5	20	150	N	10	5	<20	30	10

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I20R3309	N	N	N	1,500	N	100	50	N	N	300	<.05	6
I20R3319	N	5	N	N	N	150	<50	N	N	300	.07	6
I20R3329	N	10	N	N	N	200	<50	10	<200	200	.16	6
I20R3339	N	15	N	N	N	300	<50	N	3,000	200	.23	6
I20R3349	N	<5	N	>20,000	N	200	50	N	N	300	<.05	6
I20R3359	N	N	N	<100	N	50	<50	N	N	300	.05	6
I20R3369	N	5	N	N	N	100	50	N	N	500	.09	6
I20R3379	N	N	N	N	N	50	50	N	N	300	<.05	6
I20R3389	N	N	N	N	N	50	50	N	N	300	<.05	6
I20R3399	N	N	N	N	N	30	<50	N	N	50	<.05	6
I20R3409	N	<5	N	N	N	150	<50	N	N	700	.12	6
I20R3419	N	<5	N	N	N	50	50	N	700	700	.59	6
I20R3429	N	<5	N	N	N	100	50	N	N	300	.11	6
I20R3439	N	5	N	N	N	150	<50	N	N	200	.19	6
I20R3449	N	N	N	N	N	20	<50	N	N	300	<.05	6
I20R3459	N	N	N	N	N	30	<50	N	N	300	.16	6
I20R3469	N	N	N	N	N	50	<50	N	N	300	.43	6
I20R3477	N	N	N	N	N	30	<50	N	N	300	<.05	6

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R0200	38 2 30	88 29 30	.1	1	.5	.5	N	N	N	100	300
I21R0220	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	300
I21R0240	38 2 30	88 29 30	.05	1	.5	.7	N	N	N	150	300
I21R0250	38 2 30	88 29 30	<.05	1	.3	.7	N	N	N	100	200
I21R0390	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	300
I21R0410	38 2 30	88 29 30	<.05	1	.5	.7	N	N	N	100	300
I21R0420	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	500
I21R0430	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	500
I21R0440	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	100	500
I21R0450	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	300
I21R0460	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	100	300
I21R0470	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	100	300
I21R0480	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	100	300
I21R0490	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	150	300
I21R0500	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	300
I21R0510	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	100	500
I21R0520	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	100	500
I21R0530	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	500
I21R0540	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	300
I21R0550	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	100	300
I21R0560	38 2 30	88 29 30	<.05	1.5	.7	.7	N	N	N	150	200
I21R0570	38 2 30	88 29 30	<.05	1	.5	.7	N	N	N	150	300
I21R0580	38 2 30	88 29 30	<.05	1	.5	.7	N	N	N	100	300
I21R0590	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	300
I21R0600	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	150	300
I21R0610	38 2 30	88 29 30	<.05	1.5	.5	.5	N	N	N	100	500
I21R0690	38 2 30	88 29 30	<.05	1.5	.5	.7	N	N	N	150	500
I21R0860	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	150	500
I21R0880	38 2 30	88 29 30	<.05	1.5	.5	.5	N	N	N	150	300
I21R0960	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	100	500
I21R1250	38 2 30	88 29 30	<.05	1	.3	.5	N	N	N	100	500
I21R1300	38 2 30	88 29 30	<.05	.5	.1	.3	N	N	N	50	300
I21R1310	38 2 30	88 29 30	<.05	.5	.07	.2	N	N	N	50	500
I21R1340	38 2 30	88 29 30	<.05	.5	.1	.2	N	N	N	70	500
I21R1350	38 2 30	88 29 30	<.05	.5	.1	.3	N	N	N	70	300
I21R1550	38 2 30	88 29 30	<.05	.15	.07	.07	N	N	N	30	70
I21R1900	38 2 30	88 29 30	<.05	.7	.2	.3	N	N	N	100	200
I21R1930	38 2 30	88 29 30	.15	2	1	.5	N	N	N	200	300
I21R1970	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	150	200
I21R1990	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	300
I21R2000	38 2 30	88 29 30	<.05	1.5	.5	.5	N	N	N	150	200
I21R2010	38 2 30	88 29 30	<.05	1.5	.5	.5	N	N	N	150	500
I21R2060	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	200	300
I21R2070	38 2 30	88 29 30	<.05	1	.5	.3	N	N	N	100	300
I21R2080	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	200
I21R2150	38 2 30	88 29 30	.07	1.5	.5	.5	N	N	N	150	500
I21R2170	38 2 30	88 29 30	<.05	3	.5	.5	N	N	N	100	700
I21R2190	38 2 30	88 29 30	.07	2	1	.5	N	N	N	100	200
I21R2210	38 2 30	88 29 30	.05	2	1	.5	N	N	N	150	200
I21R2230	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	100	300
I21R2350	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	300
I21R2360	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	500
I21R2370	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	100	200
I21R2390	38 2 30	88 29 30	<.05	.7	.7	.5	N	N	N	150	300
I21R2400	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	300
I21R2410	38 2 30	88 29 30	<.05	1.5	.7	.5	N	N	N	200	300
I21R2420	38 2 30	88 29 30	<.05	1	.5	.5	N	N	N	150	200
I21R2430	38 2 30	88 29 30	<.05	1	.7	.5	N	N	N	150	200
I21R2530	38 2 30	88 29 30	.05	1.5	.7	.5	N	N	N	150	200
I21R2550	38 2 30	88 29 30	.05	1.5	1	.3	N	N	N	150	200

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R0200	1.5	N	N	7	70	50	50	150	N	N	15	<10
I21R0220	1.5	N	N	5	100	30	50	100	N	<20	10	<10
I21R0240	1.5	N	N	7	70	15	70	100	N	<20	10	<10
I21R0250	1.5	N	N	7	100	15	70	150	N	N	10	<10
I21R0390	2	N	N	5	100	10	70	100	N	N	10	15
I21R0410	1.5	N	N	7	100	15	50	150	N	N	15	<10
I21R0420	1.5	N	N	7	100	50	50	150	N	<20	15	<10
I21R0430	1.5	N	N	10	100	15	70	150	N	N	15	<10
I21R0440	1.5	N	N	7	100	15	50	150	N	<20	15	10
I21R0450	1.5	N	N	7	100	15	50	150	N	<20	10	<10
I21R0460	1.5	N	N	10	100	15	70	200	N	N	10	10
I21R0470	1.5	N	N	10	100	15	70	200	N	<20	15	<10
I21R0480	1.5	N	N	7	100	10	50	200	N	<20	15	10
I21R0490	1.5	N	N	10	100	20	70	200	N	<20	15	<10
I21R0500	1.5	N	N	7	70	10	50	200	N	N	20	<10
I21R0510	1.5	N	N	10	70	20	70	200	N	<20	20	<10
I21R0520	2	N	N	10	100	15	100	200	N	<20	30	10
I21R0530	1.5	N	N	10	100	15	70	200	N	<20	20	10
I21R0540	2	N	N	7	100	15	100	200	N	<20	30	15
I21R0550	1.5	N	N	10	100	15	70	150	N	<20	20	15
I21R0560	2	N	N	10	100	20	70	150	N	<20	30	15
I21R0570	1.5	N	N	10	100	20	70	100	N	<20	30	15
I21R0580	1.5	N	N	10	100	20	70	150	N	<20	30	10
I21R0590	1.5	N	N	7	70	30	50	150	<5	<20	20	<10
I21R0600	2	N	N	7	70	20	70	150	N	N	20	15
I21R0610	1.5	N	N	10	70	100	50	150	N	<20	50	30
I21R0690	2	N	N	15	100	20	70	150	5	20	50	20
I21R0860	2	N	N	7	70	20	50	150	5	<20	20	15
I21R0880	1.5	N	N	10	100	20	70	150	7	<20	30	15
I21R0960	2	N	N	15	100	20	100	150	<5	<20	50	50
I21R1250	2	N	N	7	70	15	50	100	5	<20	20	20
I21R1300	1	N	N	5	100	10	30	50	5	N	10	<10
I21R1310	1	N	N	N	50	7	30	50	<5	N	10	<10
I21R1340	1	N	N	<5	70	10	30	50	<5	N	10	<10
I21R1350	1	N	N	<5	50	10	N	50	5	N	10	<10
I21R1550	<1	N	N	N	15	<5	30	20	<5	N	7	<10
I21R1900	1.5	N	N	5	70	10	70	50	<5	N	15	<10
I21R1930	2	N	N	30	100	30	50	200	5	<20	50	70
I21R1970	1.5	N	N	5	70	15	50	70	N	N	20	<10
I21R1990	1.5	N	N	7	100	20	50	100	<5	<20	30	10
I21R2000	2	N	N	5	100	10	50	100	<5	N	20	15
I21R2010	2	N	N	7	100	10	50	100	5	N	20	15
I21R2060	2	N	N	7	100	10	70	100	<5	<20	30	<10
I21R2070	2	N	N	5	150	15	50	50	<5	<20	20	<10
I21R2080	1.5	N	N	7	100	10	50	100	<5	<20	15	10
I21R2150	2	N	N	10	150	20	50	100	5	<20	50	150
I21R2170	1.5	N	N	15	100	20	70	150	10	<20	70	100
I21R2190	1.5	N	N	15	150	15	70	100	<5	<20	50	20
I21R2210	2	N	N	15	100	10	70	100	N	<20	50	15
I21R2230	1.5	N	N	7	100	10	100	70	N	<20	30	15
I21R2350	1.5	N	N	7	70	7	50	50	N	<20	15	<10
I21R2360	1.5	N	N	5	100	10	70	50	N	<20	20	15
I21R2370	1.5	N	N	7	100	7	50	50	N	<20	30	10
I21R2390	1.5	N	N	5	70	7	100	50	N	<20	15	10
I21R2400	2	N	N	10	150	10	70	100	N	<20	30	15
I21R2410	2	N	N	10	100	7	70	50	N	<20	30	10
I21R2420	2	N	N	7	100	7	50	50	N	<20	30	<10
I21R2430	2	N	N	7	100	10	70	100	N	<20	50	10
I21R2530	2	N	N	10	100	10	70	100	N	<20	50	100
I21R2550	2	N	N	10	100	10	70	70	N	N	50	100

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R0200	N	10	N	100	N	70	<50	20	<200	150	<.05	1
I21R0220	N	15	N	100	N	70	<50	20	<200	200	<.05	1
I21R0240	N	15	N	100	N	70	<50	20	<200	500	<.05	1
I21R0250	N	10	N	100	N	70	<50	20	<200	300	<.05	1
I21R0390	N	10	N	100	N	100	<50	15	<200	200	<.05	1
I21R0410	N	15	N	100	N	70	<50	20	300	200	<.05	1
I21R0420	N	10	N	100	N	70	<50	20	<200	200	<.05	1
I21R0430	N	15	N	100	N	70	<50	15	<200	300	<.05	1
I21R0440	N	10	N	100	N	100	<50	15	<200	200	<.05	1
I21R0450	N	15	N	100	N	100	<50	15	200	300	<.05	1
I21R0460	N	15	N	100	N	70	<50	15	300	200	<.05	1
I21R0470	N	15	N	100	N	100	<50	15	<200	200	<.05	1
I21R0480	N	15	N	100	N	100	<50	15	<200	200	<.05	1
I21R0490	N	10	N	100	N	100	<50	20	200	200	<.05	1
I21R0500	N	10	N	200	N	100	<50	15	<200	100	<.05	1
I21R0510	N	15	N	100	N	100	<50	20	<200	100	<.05	1
I21R0520	N	15	N	150	N	100	<50	20	<200	100	<.05	1
I21R0530	N	15	N	150	N	100	<50	20	<200	100	<.05	1
I21R0540	N	15	N	200	N	100	<50	20	200	100	.05	1
I21R0550	N	10	N	150	N	100	<50	20	<200	100	.05	1
I21R0560	N	15	N	150	N	100	<50	30	<200	200	.05	1
I21R0570	N	15	N	150	N	100	<50	30	<200	200	<.05	1
I21R0580	N	15	N	150	N	100	<50	50	<200	200	<.05	1
I21R0590	N	10	N	150	N	100	<50	20	200	100	<.05	1
I21R0600	N	15	N	150	N	100	<50	30	200	150	<.05	1
I21R0610	N	15	N	150	N	100	<50	30	300	150	<.05	1
I21R0690	N	20	N	200	N	100	<50	50	<200	200	<.05	1
I21R0860	N	15	N	150	N	100	<50	20	200	150	<.05	1
I21R0880	N	20	N	150	N	100	<50	30	200	150	<.05	1
I21R0960	N	15	N	150	N	100	<50	30	<200	100	.05	1
I21R1250	N	15	N	150	N	100	<50	30	<200	200	<.05	1
I21R1300	N	5	N	150	N	50	<50	10	<200	200	<.05	1
I21R1310	N	5	N	150	N	50	<50	15	200	200	<.05	1
I21R1340	N	7	N	150	N	50	<50	15	200	200	<.05	1
I21R1350	N	5	N	150	N	50	<50	15	<200	200	<.05	1
I21R1550	N	N	N	150	N	20	50	N	<200	100	<.05	1
I21R1900	N	10	N	150	N	100	<50	10	<200	100	<.05	1
I21R1930	N	20	N	300	N	150	<50	20	300	150	.06	1
I21R1970	N	10	N	100	N	100	N	15	<200	150	.06	1
I21R1990	N	10	N	100	N	100	<50	15	<200	200	.05	1
I21R2000	N	10	N	150	N	100	<50	15	<200	500	<.05	1
I21R2010	N	10	N	150	N	100	<50	20	<200	300	<.05	3
I21R2060	N	15	N	150	N	100	<50	15	<200	200	<.05	3
I21R2070	N	10	N	150	N	100	<50	20	<200	200	<.05	3
I21R2080	N	15	N	<100	N	100	<50	20	<200	200	<.05	3
I21R2150	N	15	N	<100	N	100	70	15	<200	200	.05	3
I21R2170	N	15	N	150	N	100	100	20	700	300	<.05	3
I21R2190	N	15	N	100	N	100	50	20	200	150	.06	3
I21R2210	N	15	N	100	N	150	<50	15	<200	100	.07	3
I21R2230	N	15	N	200	N	100	N	15	200	100	.06	3
I21R2350	N	7	N	150	N	70	<50	15	200	200	<.05	3
I21R2360	N	10	N	150	N	100	<50	15	200	500	<.05	3
I21R2370	N	10	N	<100	N	100	N	20	<200	300	<.05	3
I21R2390	N	7	N	<100	N	100	N	15	<200	100	<.05	4
I21R2400	N	15	N	150	N	100	N	20	<200	150	.05	4
I21R2410	N	15	N	100	N	100	N	15	<200	150	.06	4
I21R2420	N	10	N	150	N	100	N	15	<200	100	.06	4
I21R2430	N	15	N	100	N	100	N	15	<200	150	.06	4
I21R2530	N	10	N	100	N	100	N	20	<200	150	.07	4
I21R2550	N	15	N	100	N	100	N	15	200	100	.1	4

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R2570	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	200	300
I21R2580	38 2 30	88 29 30	<.05	2	1	.7	N	N	N	200	300
I21R2590	38 2 30	88 29 30	<.05	1	1	.5	N	N	N	200	100
I21R2640	38 2 30	88 29 30	<.05	1	.5	.7	N	N	N	200	300
I21R2650	38 2 30	88 29 30	<.05	.7	.7	.3	N	N	N	150	100
I21R2900	38 2 30	88 29 30	<.05	1.5	.3	.5	N	N	N	200	300
I21R2950	38 2 30	88 29 30	.07	2	1	.5	N	N	N	200	300
I21R2990	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	100	300
I21R3010	38 2 30	88 29 30	.05	2	1	.5	N	N	N	150	300
I21R3030	38 2 30	88 29 30	.05	1.5	1.5	.3	N	N	N	150	300
I21R3060	38 2 30	88 29 30	.05	1	.7	.5	N	N	N	100	200
I21R3080	38 2 30	88 29 30	.05	2	.5	.3	N	N	N	200	200
I21R3108	38 2 30	88 29 30	.05	.5	1	.5	N	N	N	150	150
I21R3120	38 2 30	88 29 30	.07	1.5	.2	.5	N	N	N	150	200
I21R3130	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	150	200
I21R3150	38 2 30	88 29 30	.1	1	1	.5	N	N	N	150	200
I21R3180	38 2 30	88 29 30	.05	1	1	.5	N	N	N	150	300
I21R3200	38 2 30	88 29 30	.05	1	1	.3	N	N	N	150	500
I21R3220	38 2 30	88 29 30	.07	1	.7	.3	N	N	N	150	300
I21R3240	38 2 30	88 29 30	.07	1	1	.3	N	N	N	100	300
I21R3270	38 2 30	88 29 30	.2	.5	.2	.2	N	N	N	100	300
I21R3290	38 2 30	88 29 30	1	1	.5	.5	N	N	N	100	500
I21R3310	38 2 30	88 29 30	7	.5	.7	.15	N	N	N	100	100
I21R3330	38 2 30	88 29 30	5	.7	.5	.3	N	N	N	100	300
I21R3350	38 2 30	88 29 30	.2	.7	.5	.2	N	N	N	100	700
I21R3370	38 2 30	88 29 30	.2	.3	.5	.1	N	N	N	100	500
I21R3390	38 2 30	88 29 30	.2	1	.1	.3	N	N	N	150	300
I21R3410	38 2 30	88 29 30	.3	1	.3	.3	N	N	N	150	300
I21R3430	38 2 30	88 29 30	.2	1	.3	.5	N	N	N	150	300
I21R3450	38 2 30	88 29 30	.3	.15	.3	.05	N	N	N	100	100
I21R3470	38 2 30	88 29 30	.2	.2	.1	.1	N	N	N	100	100
I21R3490	38 2 30	88 29 30	.5	.5	.07	.2	<.5	N	N	100	200
I21R3510	38 2 30	88 29 30	.2	.5	.2	.2	N	N	N	100	200
I21R3530	38 2 30	88 29 30	.2	.5	.2	.1	<.5	N	N	100	200
I21R3550	38 2 30	88 29 30	.5	.7	.15	.15	N	N	N	100	300
I21R3570	38 2 30	88 29 30	.5	1	.2	.2	N	N	N	100	200
I21R3590	38 2 30	88 29 30	.3	1	.2	.3	N	N	N	150	300
I21R3600	38 2 30	88 29 30	.5	1	.3	.3	N	N	N	150	200
I21R3620	38 2 30	88 29 30	.5	1.5	.5	.5	N	N	N	200	500
I21R3630	38 2 30	88 29 30	1.5	1	.5	.3	N	N	N	150	300
I21R3640	38 2 30	88 29 30	.5	1	.2	.3	N	N	N	200	500
I21R3650	38 2 30	88 29 30	.3	1	.2	.5	N	N	N	200	300
I21R3660	38 2 30	88 29 30	1	1	.2	.5	N	N	N	200	500
I21R3670	38 2 30	88 29 30	.7	1	.1	.3	N	N	N	150	300
I21R3690	38 2 30	88 29 30	.3	1	.2	.3	.5	N	N	200	300
I21R3700	38 2 30	88 29 30	.5	1	.2	.5	.5	N	N	200	300
I21R3710	38 2 30	88 29 30	.3	1	.15	.5	<.5	N	N	200	500
I21R3730	38 2 30	88 29 30	1	1	.2	.5	.5	N	N	200	500
I21R3740	38 2 30	88 29 30	1	1	.1	.3	N	N	N	200	2,000
I21R3760	38 2 30	88 29 30	1	1.5	.1	.5	<.5	N	N	150	700
I21R3770	38 2 30	88 29 30	1.5	1	.1	.5	N	N	N	200	500
I21R3790	38 2 30	88 29 30	3	1.5	.07	.2	N	N	N	200	500
I21R3810	38 2 30	88 29 30	3	1.5	.07	.3	N	N	N	200	1,500
I21R3830	38 2 30	88 29 30	2	2	.15	.5	N	N	N	300	1,000
I21R3850	38 2 30	88 29 30	.15	1.5	.07	.3	N	N	N	150	>5,000
I21R3870	38 2 30	88 29 30	1	1.5	.05	.2	N	N	N	100	>5,000
I21R3890	38 2 30	88 29 30	3	1.5	.03	.15	N	N	N	100	>5,000
I21R3910	38 2 30	88 29 30	.7	1	.1	.3	.5	N	N	200	700
I21R3920	38 2 30	88 29 30	.5	1	.1	.3	<.5	N	N	200	300
I21R3940	38 2 30	88 29 30	1	1	.1	.3	<.5	N	N	150	300

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R2570	2	N	N	10	150	20	50	50	N	<20	50	10
I21R2580	2	N	N	10	150	20	50	70	N	<20	50	20
I21R2590	2	N	N	5	100	20	50	50	N	N	30	<10
I21R2640	1.5	N	N	10	100	30	50	50	N	N	50	20
I21R2650	1.5	N	N	<5	100	10	30	30	N	N	15	<10
I21R2900	2	N	N	15	150	20	50	70	N	<20	50	20
I21R2950	2	N	N	10	100	15	50	70	N	<20	50	20
I21R2990	2	N	N	10	100	20	50	50	N	<20	50	20
I21R3010	1.5	N	N	15	150	30	70	50	N	<20	30	20
I21R3030	2	N	N	10	100	15	50	50	N	N	30	15
I21R3060	2	N	N	N	100	7	50	30	N	N	15	<10
I21R3080	1.5	N	N	10	100	20	50	50	N	<20	30	20
I21R3108	1.5	N	N	N	70	10	30	20	N	N	10	10
I21R3120	1.5	N	N	10	100	15	70	50	5	<20	30	15
I21R3130	1.5	N	N	10	100	20	50	30	N	<20	30	20
I21R3150	1.5	N	N	10	150	20	50	50	N	N	30	20
I21R3180	1.5	N	N	10	150	20	70	50	5	<20	30	20
I21R3200	1	N	N	7	100	20	50	100	15	N	30	50
I21R3220	1	N	N	5	100	20	30	50	10	N	20	15
I21R3240	1	N	N	5	100	15	30	50	10	N	20	10
I21R3270	1	N	N	<5	30	5	N	30	5	N	15	<10
I21R3290	1.5	N	N	5	70	15	N	70	5	N	20	10
I21R3310	1	N	N	<5	20	7	N	20	<5	N	7	10
I21R3330	1	N	N	<5	70	10	N	70	7	N	20	1,000
I21R3350	1	N	N	5	70	7	N	70	7	N	20	1,000
I21R3370	<1	N	N	<5	30	7	N	20	5	N	20	<10
I21R3390	1	N	N	<5	70	7	N	20	5	N	20	<10
I21R3410	1.5	N	N	5	100	10	<20	30	5	N	20	<10
I21R3430	1.5	N	N	5	100	15	30	30	5	N	20	<10
I21R3450	N	N	N	N	20	<5	N	10	5	N	7	<10
I21R3470	<1	N	N	N	50	<5	N	10	5	N	7	<10
I21R3490	<1	N	N	<5	100	10	N	20	30	N	15	<10
I21R3510	<1	N	N	<5	100	10	N	20	20	N	30	<10
I21R3530	<1	N	N	<5	50	5	N	20	20	N	15	<10
I21R3550	1	N	N	<5	100	7	N	20	20	N	15	<10
I21R3570	1	N	N	<5	100	10	N	30	20	N	20	15
I21R3590	1	N	N	<5	100	10	N	50	20	N	30	10
I21R3600	1	N	N	<5	100	10	N	50	20	<20	30	<10
I21R3620	1.5	N	N	<5	100	10	<20	70	15	N	30	<10
I21R3630	1.5	N	N	<5	100	10	<20	70	15	N	30	10
I21R3640	1.5	N	N	<5	150	20	30	30	15	N	50	<10
I21R3650	2	N	N	5	200	20	30	30	15	N	50	<10
I21R3660	2	N	N	5	150	20	30	30	15	N	50	<10
I21R3670	1.5	N	N	5	150	20	N	30	15	N	50	<10
I21R3690	1.5	N	N	5	150	20	N	30	20	N	70	<10
I21R3700	2	N	N	15	150	150	30	70	30	N	100	150
I21R3710	2	N	N	5	150	20	N	30	20	N	70	10
I21R3730	1.5	N	N	7	150	20	N	50	15	N	70	20
I21R3740	1	N	N	<5	150	20	N	30	15	N	50	100
I21R3760	1	N	N	5	150	20	N	30	15	N	50	100
I21R3770	1.5	N	N	5	150	20	<20	50	15	N	50	100
I21R3790	1	N	N	5	100	30	<20	50	15	N	30	150
I21R3810	15	N	N	<5	100	30	N	20	15	N	30	200
I21R3830	1.5	N	N	5	150	30	<20	50	30	<20	50	50
I21R3850	2	N	N	10	100	30	50	30	5	N	50	50
I21R3870	1	N	N	7	100	30	100	30	5	N	30	100
I21R3890	1	N	N	5	30	15	N	30	10	N	20	N
I21R3910	1	N	N	<5	50	15	N	15	10	N	20	N
I21R3920	1	N	N	<5	70	15	N	15	10	N	30	N
I21R3940	1	N	N	<5	70	10	N	15	7	N	20	N

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R2570	N	10	N	200	N	150	N	10	200	100	.05	4
I21R2580	N	20	N	100	N	100	N	15	<200	100	.07	4
I21R2590	N	10	N	100	N	100	N	15	<200	100	.07	4
I21R2640	N	10	N	100	N	100	N	20	<200	100	<.05	4
I21R2650	N	5	N	<100	N	70	N	15	<200	300	.05	5
I21R2900	N	15	N	100	N	100	N	20	<200	70	.05	5
I21R2950	N	15	N	100	N	100	N	15	<200	100	.07	5
I21R2990	N	15	N	100	N	100	N	15	<200	200	.06	6
I21R3010	N	15	N	100	N	150	N	20	<200	100	.06	6
I21R3030	N	10	N	100	N	150	N	15	<200	200	.06	6
I21R3060	N	10	N	100	N	100	N	10	<200	200	.05	6
I21R3080	N	10	N	100	N	100	N	15	<200	200	.06	6
I21R3108	N	7	N	<100	N	50	N	10	<200	200	.05	6
I21R3120	N	15	N	100	N	100	<50	15	200	70	.06	6
I21R3130	N	10	N	100	N	100	N	20	200	100	.06	6
I21R3150	N	10	N	100	N	100	N	15	<200	150	.09	6
I21R3180	N	10	N	100	N	100	50	20	200	100	.05	6
I21R3200	N	7	N	100	N	100	100	10	300	100	.06	6
I21R3220	N	7	N	100	N	70	100	10	200	100	.1	6
I21R3240	N	5	N	300	N	50	150	10	200	100	.07	6
I21R3270	N	5	N	3,000	N	50	<50	N	<200	150	.09	6
I21R3290	N	7	N	>5,000	N	70	<50	10	200	300	.14	6
I21R3310	N	5	N	>5,000	N	50	<50	N	<200	150	.05	6
I21R3330	N	7	N	>5,000	N	50	150	N	<200	150	.07	6
I21R3350	N	5	N	2,000	N	70	200	N	300	150	.07	6
I21R3370	N	<5	N	200	N	50	100	N	200	100	<.05	6
I21R3390	N	5	N	700	N	100	150	10	200	100	.05	6
I21R3410	N	7	N	1,500	N	100	50	10	<200	100	.06	6
I21R3430	N	7	N	5,000	N	100	<50	10	300	200	.07	6
I21R3450	N	N	N	500	N	20	<50	N	<200	20	<.05	6
I21R3470	N	<5	N	5,000	N	30	<50	N	300	70	<.05	6
I21R3490	N	5	N	500	N	100	<50	N	500	70	.05	6
I21R3510	N	5	N	300	N	100	<50	N	200	50	<.05	6
I21R3530	N	<5	N	1,000	N	50	<50	N	500	100	<.05	6
I21R3550	N	5	N	1,500	N	50	100	N	500	100	<.05	6
I21R3570	N	5	N	2,000	N	70	70	N	500	200	.07	6
I21R3590	N	7	N	2,000	N	100	150	10	500	200	.1	6
I21R3600	N	7	N	1,500	N	100	<50	10	500	150	.12	6
I21R3620	N	7	N	>5,000	N	100	<50	10	300	150	.2	7
I21R3630	N	7	N	>5,000	N	150	N	10	200	100	.98	7
I21R3640	N	7	N	>5,000	N	150	N	10	200	150	.25	7
I21R3650	N	10	N	5,000	N	150	N	10	200	100	.24	7
I21R3660	N	10	N	>5,000	N	150	N	<10	500	100	.41	7
I21R3670	N	7	N	>5,000	N	100	<50	<10	500	100	.18	7
I21R3690	N	7	N	3,000	N	100	N	<10	300	100	.15	7
I21R3700	N	10	N	2,000	N	150	N	10	200	100	.13	7
I21R3710	N	10	N	>5,000	N	100	50	10	300	100	.13	7
I21R3730	N	10	N	2,000	N	150	50	10	200	150	.16	7
I21R3740	N	5	N	5,000	N	150	N	<10	500	100	.12	7
I21R3760	N	10	N	>5,000	N	150	N	10	300	200	.15	7
I21R3770	N	7	N	>5,000	N	100	N	<10	500	200	.15	7
I21R3790	N	7	N	5,000	N	70	N	<10	200	70	.1	7
I21R3810	N	7	N	>5,000	N	100	N	10	500	150	.51	7
I21R3830	N	10	N	2,000	N	150	N	15	200	200	.18	7
I21R3850	N	10	N	5,000	N	100	50	20	1,000	300	.05	7
I21R3870	N	7	N	>5,000	N	100	50	30	1,000	200	.26	7
I21R3890	N	5	N	>5,000	N	50	50	<10	500	200	.07	7
I21R3910	N	7	N	1,500	N	70	N	<10	200	200	.1	7
I21R3920	N	7	N	1,000	N	70	N	<10	300	200	.12	7
I21R3940	N	7	N	1,000	N	70	N	10	700	200	.1	7

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R3950	38 2 30	88 29 30	.15	1.5	.3	.5	N	N	N	200	500
I21R3980	38 2 30	88 29 30	.15	1	.3	.5	N	N	N	200	300
I21R3990	38 2 30	88 29 30	.15	1	.2	.3	N	N	N	200	200
I21R4000	38 2 30	88 29 30	.15	1	.2	.5	N	N	N	150	200
I21R4020	38 2 30	88 29 30	.2	1	.2	.3	N	N	N	150	300
I21R4040	38 2 30	88 29 30	.2	1	.2	.2	N	N	N	150	200
I21R4060	38 2 30	88 29 30	.3	1	.2	.3	N	N	N	150	300
I21R4080	38 2 30	88 29 30	.15	1	.3	.3	N	N	N	200	300
I21R4100	38 2 30	88 29 30	.15	1	.3	.3	N	N	N	200	300
I21R4110	38 2 30	88 29 30	.15	1	.3	.3	N	N	N	200	300
I21R4120	38 2 30	88 29 30	.15	1	.2	.2	N	N	N	150	150
I21R4130	38 2 30	88 29 30	.15	1.5	.2	.5	N	N	N	200	1,500
I21R4140	38 2 30	88 29 30	.15	.5	.1	.1	N	N	N	150	200
I21R4150	38 2 30	88 29 30	.15	.15	.05	.02	N	N	N	100	50
I21R4160	38 2 30	88 29 30	.1	.3	.1	.1	N	N	N	100	100
I21R4180	38 2 30	88 29 30	.1	.5	.1	.2	N	N	N	100	150
I21R4200	38 2 30	88 29 30	.07	.5	.15	.2	N	N	N	100	150
I21R4220	38 2 30	88 29 30	.07	.5	.1	.2	N	N	N	150	200
I21R4250	38 2 30	88 29 30	.7	.5	.1	.2	N	N	N	100	150
I21R4270	38 2 30	88 29 30	.7	1	.2	.3	1	N	N	100	200
I21R4290	38 2 30	88 29 30	3	1	.1	.2	1.5	N	N	150	200
I21R4310	38 2 30	88 29 30	5	1	.07	.1	.7	N	N	100	50
I21R4350	38 2 30	88 29 30	3	1	.1	.2	1	N	N	150	150
I21R4370	38 2 30	88 29 30	1	.3	.07	.05	.5	N	N	100	50
I21R4390	38 2 30	88 29 30	.5	.3	.05	.05	<.5	N	N	150	100
I21R4410	38 2 30	88 29 30	.2	.2	.05	.05	<.5	N	N	150	100
I21R4430	38 2 30	88 29 30	1	.2	.02	.05	N	N	N	150	300
I21R4450	38 2 30	88 29 30	.2	.2	.02	.07	N	N	N	150	300
I21R4470	38 2 30	88 29 30	.2	.3	.05	.1	N	N	N	150	200
I21R4490	38 2 30	88 29 30	.15	.3	.07	.07	N	N	N	150	200
I21R4510	38 2 30	88 29 30	.2	.3	.1	.15	N	N	N	150	200
I21R4530	38 2 30	88 29 30	.2	.2	.1	.1	N	N	N	150	50
I21R4550	38 2 30	88 29 30	.3	.2	.2	.1	N	N	N	150	100
I21R4570	38 2 30	88 29 30	.3	.2	.2	.1	N	N	N	150	100
I21R4580	38 2 30	88 29 30	.5	.3	.2	.1	.5	N	N	200	100
I21R4600	38 2 30	88 29 30	.3	.3	.2	.1	N	N	N	200	100
I21R4620	38 2 30	88 29 30	.5	.2	.2	.05	N	N	N	200	50
I21R4640	38 2 30	88 29 30	.5	.2	.2	.07	N	N	N	150	70
I21R4660	38 2 30	88 29 30	.5	.2	.2	.05	N	N	N	150	100
I21R4680	38 2 30	88 29 30	.7	.15	.3	.05	N	N	N	150	70
I21R4700	38 2 30	88 29 30	1	.1	.3	.05	N	N	N	200	100
I21R4720	38 2 30	88 29 30	.3	.5	.2	.2	N	N	N	150	200
I21R4740	38 2 30	88 29 30	.15	.7	.3	.3	.5	N	N	200	200
I21R4750	38 2 30	88 29 30	.1	.5	.2	.3	<.5	N	N	150	200
I21R4760	38 2 30	88 29 30	.05	.5	.2	.5	<.5	<200	N	150	200
I21R4770	38 2 30	88 29 30	<.05	.5	.2	.3	<.5	N	N	150	200
I21R4780	38 2 30	88 29 30	<.05	1	.2	.3	<.5	N	N	20	200
I21R5050	38 2 30	88 29 30	<.05	1	.7	.3	N	N	N	200	200
I21R5070	38 2 30	88 29 30	.1	1.5	.5	.5	N	N	N	200	200
I21R5080	38 2 30	88 29 30	.15	.2	.15	.1	N	N	N	100	100
I21R5100	38 2 30	88 29 30	.15	.2	.1	.1	N	N	N	100	100
I21R5120	38 2 30	88 29 30	.1	.5	.15	.15	N	N	N	100	150
I21R5140	38 2 30	88 29 30	.07	.2	.1	.1	N	N	N	100	100
I21R5160	38 2 30	88 29 30	.1	.2	.07	.1	N	N	N	100	200
I21R5170	38 2 30	88 29 30	.1	.2	.07	.07	N	N	N	100	150
I21R5180	38 2 30	88 29 30	.5	.5	.2	.07	N	N	N	100	100
I21R5190	38 2 30	88 29 30	.05	.05	.05	.015	N	N	N	50	20
I21R5200	38 2 30	88 29 30	.05	.15	.07	.03	N	N	N	50	100
I21R5210	38 2 30	88 29 30	<.05	.15	.05	.03	N	N	N	50	50
I21R5230	38 2 30	88 29 30	<.05	.2	.07	.1	N	N	N	70	100

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R3950	1.5	N	N	5	100	15	50	70	10	<20	20	<10
I21R3980	1.5	N	N	5	100	20	30	100	10	<20	20	<10
I21R3990	1	N	N	<5	50	10	N	50	7	N	20	<10
I21R4000	1	N	N	<5	50	10	N	50	7	N	20	<10
I21R4020	1	N	N	<5	70	15	N	70	5	N	15	<10
I21R4040	1	N	N	5	70	15	N	50	7	N	15	<10
I21R4060	1	N	N	5	100	15	N	100	5	N	15	<10
I21R4080	1	N	N	5	100	15	<20	100	<5	N	15	<10
I21R4100	1	N	N	5	100	15	N	100	5	N	15	<10
I21R4110	1	N	N	5	100	20	N	100	5	<20	15	<10
I21R4120	1	N	N	5	50	15	N	70	5	N	15	<10
I21R4130	1	N	N	7	100	20	30	70	5	N	20	<10
I21R4140	<1	N	N	5	20	7	N	20	<5	N	10	<10
I21R4150	N	N	N	<5	15	<5	N	10	<5	N	7	<10
I21R4160	<1	N	N	<5	20	5	N	20	5	N	10	<10
I21R4180	<1	N	N	<5	30	7	N	70	5	N	15	<10
I21R4200	<1	N	N	<5	20	5	N	50	<5	N	15	<10
I21R4220	<1	N	N	<5	30	7	N	70	5	N	15	<10
I21R4250	<1	N	N	<5	30	7	N	50	5	N	10	<10
I21R4270	1	N	N	5	50	10	N	70	7	N	15	<10
I21R4290	1	N	N	5	50	20	N	50	10	N	30	1,000
I21R4310	1	<10	N	N	20	15	N	20	10	N	15	15,000
I21R4350	1	N	N	<5	20	15	N	20	7	N	20	200
I21R4370	N	N	N	N	10	5	N	10	<5	N	7	<10
I21R4390	N	N	N	N	<10	10	N	15	5	N	7	<10
I21R4410	N	N	N	N	15	<5	N	10	<5	N	10	<10
I21R4430	<1	N	N	<5	15	7	N	10	<5	N	7	<10
I21R4450	N	N	N	N	10	<5	N	10	<5	N	7	<10
I21R4470	<1	N	N	<5	15	7	N	15	<5	N	10	<10
I21R4490	<1	N	N	<5	20	5	N	30	<5	N	10	<10
I21R4510	N	N	N	<5	15	<5	N	20	<5	N	10	<10
I21R4530	<1	N	N	<5	15	<5	N	15	<5	N	7	<10
I21R4550	N	N	N	<5	20	5	N	15	<5	N	10	<10
I21R4570	<1	N	N	<5	20	5	N	15	<5	N	10	<10
I21R4580	<1	N	N	<5	20	5	N	15	<5	N	10	<10
I21R4600	<1	N	N	N	20	7	N	20	<5	N	15	<10
I21R4620	N	N	N	N	15	<5	N	10	<5	N	10	<10
I21R4640	N	N	N	<5	15	5	N	15	<5	N	10	<10
I21R4660	N	N	N	<5	20	<5	N	15	<5	N	10	<10
I21R4680	N	N	N	<5	15	<5	N	10	<5	N	7	<10
I21R4700	<1	N	N	<5	<10	<5	N	20	<5	N	10	<10
I21R4720	1	N	N	<5	30	7	N	50	<5	N	15	<10
I21R4740	1	N	N	<5	50	10	N	50	<5	N	15	<10
I21R4750	1	N	N	<5	50	10	N	30	<5	N	15	<10
I21R4760	1.5	N	N	<5	50	15	N	50	<5	N	15	<10
I21R4770	1.5	N	N	<5	70	10	N	50	<5	N	15	<10
I21R4780	1.5	N	N	<5	70	10	N	50	<5	N	20	<10
I21R5050	2	N	N	7	100	150	30	100	10	N	50	70
I21R5070	2	N	N	10	100	100	50	100	15	N	70	30
I21R5080	<1	N	N	<5	15	5	N	20	5	N	10	<10
I21R5100	<1	N	N	<5	15	5	N	15	5	N	10	<10
I21R5120	1	N	N	<5	20	7	N	20	7	N	15	<10
I21R5140	<1	N	N	<5	15	5	N	15	5	N	10	<10
I21R5160	<1	N	N	<5	15	7	N	15	7	N	10	<10
I21R5170	<1	N	N	<5	10	5	N	15	7	N	10	<10
I21R5180	<1	N	N	<5	15	5	N	20	7	N	7	<10
I21R5190	N	N	N	<5	10	<5	N	10	<5	N	7	<10
I21R5200	N	N	N	<5	10	<5	N	10	5	N	7	<10
I21R5210	N	N	N	<5	10	<5	N	10	<5	N	7	<10
I21R5230	<1	N	N	<5	10	5	N	10	5	N	10	<10

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R3950	N	7	N	2,000	N	100	<50	10	200	500	.1	7
I21R3980	N	10	N	1,000	N	100	<50	10	300	500	.1	7
I21R3990	N	7	N	150	N	100	<50	<10	300	200	.09	7
I21R4000	N	7	N	100	N	100	<50	<10	200	150	.09	7
I21R4020	N	7	N	200	N	70	<50	<10	200	150	.12	7
I21R4040	N	7	N	200	N	70	<50	<10	200	100	.12	7
I21R4060	N	7	N	200	N	100	<50	<10	300	100	.17	7
I21R4080	N	7	N	<100	N	100	<50	<10	200	100	.11	7
I21R4100	N	7	N	200	N	100	<50	<10	200	100	.11	7
I21R4110	N	7	N	150	N	100	<50	<10	200	100	.09	7
I21R4120	N	5	N	1,500	N	50	<50	<10	300	150	.08	7
I21R4130	N	7	N	5,000	N	70	<50	10	700	200	.07	7
I21R4140	N	N	N	2,000	N	20	<50	N	500	70	<.05	7
I21R4150	N	N	N	<100	N	10	<50	N	200	10	<.05	7
I21R4160	N	<5	N	<100	N	20	<50	N	<200	50	<.05	7
I21R4180	N	5	N	<100	N	30	<50	N	<200	100	<.05	7
I21R4200	N	5	N	<100	N	30	<50	N	<200	200	.05	7
I21R4220	N	7	N	<100	N	30	<50	N	<200	150	.05	7
I21R4250	N	5	N	200	N	30	<50	N	200	100	.09	7
I21R4270	N	7	N	200	N	50	<50	N	300	100	.15	7
I21R4290	N	5	N	700	N	50	<50	N	1,500	150	.43	7
I21R4310	N	5	N	1,000	N	30	<50	N	1,000	50	.33	7
I21R4350	N	5	N	1,000	N	30	<50	N	1,000	100	.53	7
I21R4370	N	N	N	300	N	10	<50	N	200	50	.06	7
I21R4390	N	<5	N	<100	N	15	<50	N	500	30	<.05	7
I21R4410	N	<5	N	<100	N	15	<50	N	300	50	<.05	7
I21R4430	N	<5	N	1,000	N	15	<50	N	200	30	<.05	7
I21R4450	N	<5	N	5,000	N	15	<50	N	200	100	<.05	7
I21R4470	N	<5	N	2,000	N	50	<50	N	<200	50	<.05	7
I21R4490	N	<5	N	2,000	N	30	<50	N	<200	100	<.05	7
I21R4510	N	<5	N	150	N	30	<50	N	<200	50	<.05	7
I21R4530	N	<5	N	<100	N	20	<50	N	<200	50	<.05	7
I21R4550	N	<5	N	100	N	20	<50	N	<200	50	<.05	7
I21R4570	N	<5	N	300	N	30	<50	N	<200	50	<.05	7
I21R4580	N	<5	N	<100	N	20	<50	N	<200	100	<.05	7
I21R4600	N	<5	N	100	N	20	<50	N	<200	30	<.05	7
I21R4620	N	<5	N	<100	N	20	<50	N	<200	30	<.05	7
I21R4640	N	<5	N	150	N	15	50	N	<200	30	<.05	7
I21R4660	N	<5	N	500	N	20	<50	N	<200	30	<.05	7
I21R4680	N	<5	N	100	N	15	<50	N	<200	20	<.05	7
I21R4700	N	<5	N	100	N	15	<50	N	<200	20	<.05	7
I21R4720	N	5	N	150	N	50	<50	N	200	50	<.05	7
I21R4740	N	7	N	100	N	70	<50	10	300	100	<.05	7
I21R4750	N	7	N	100	N	100	<50	10	200	100	<.05	7
I21R4760	N	7	N	<100	N	100	<50	10	200	150	.05	7
I21R4770	N	10	N	<100	N	100	<50	15	200	150	.05	8
I21R4780	N	10	N	<100	N	100	<50	10	200	100	.05	8
I21R5050	N	10	N	100	N	300	<50	15	200	100	.09	12
I21R5070	N	10	N	100	N	200	<50	20	200	150	.07	12
I21R5080	N	<5	N	<100	N	50	<50	N	200	20	<.05	12
I21R5100	N	5	N	<100	N	50	<50	<10	<200	30	<.05	12
I21R5120	N	5	N	<100	N	70	<50	10	<200	50	<.05	12
I21R5140	N	5	N	<100	N	50	<50	N	<200	50	<.05	12
I21R5160	N	<5	N	<100	N	50	<50	N	<200	50	<.05	12
I21R5170	N	<5	N	<100	N	50	<50	N	<200	50	<.05	12
I21R5180	N	<5	N	<100	N	30	<50	N	<200	50	<.05	12
I21R5190	N	N	N	<100	N	15	<50	N	<200	10	<.05	12
I21R5200	N	N	N	<100	N	15	<50	N	<200	30	<.05	12
I21R5210	N	N	N	<100	N	15	<50	N	<200	20	<.05	12
I21R5230	N	<5	N	<100	N	30	<50	N	<200	50	<.05	12

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I21R5250	38 2 30	88 29 30	.05	.3	.1	.1	N	N	N	150	100
I21R5270	38 2 30	88 29 30	.05	.2	.1	.07	N	N	N	150	100
I21R5283	38 2 30	88 29 30	.05	.3	.15	.1	N	N	N	150	100
I21R5320	38 2 30	88 29 30	.05	.5	.3	.3	N	N	N	200	200
I21R5330	38 2 30	88 29 30	.05	.5	.2	.2	.5	N	N	200	150
I21R5340	38 2 30	88 29 30	.2	.5	.2	.15	N	N	N	200	150
I21R5350	38 2 30	88 29 30	.2	.5	.2	.15	N	N	N	200	50
I21R5360	38 2 30	88 29 30	.15	.5	.3	.2	N	N	N	200	150
I21R5370	38 2 30	88 29 30	.15	.5	.2	.15	N	N	N	150	150
I21R5380	38 2 30	88 29 30	.1	1	.3	.2	N	N	N	200	200
I21R5390	38 2 30	88 29 30	.1	1	.3	.3	N	N	N	200	200
I21R5400	38 2 30	88 29 30	.1	.7	.3	.2	N	N	N	200	200
I21R5410	38 2 30	88 29 30	.15	.5	.2	.2	N	N	N	200	150
I21R5420	38 2 30	88 29 30	.1	.5	.2	.2	N	N	N	200	150
I21R5430	38 2 30	88 29 30	.1	.5	.2	.2	N	N	N	200	200
I21R5435	38 2 30	88 29 30	.1	.5	.2	.15	N	N	N	200	150
I21R5445	38 2 30	88 29 30	.1	.5	.2	.2	N	N	N	200	150
I21R5455	38 2 30	88 29 30	.1	.7	.3	.3	N	N	N	200	200
I21R5465	38 2 30	88 29 30	.05	1	.7	.5	N	N	N	500	300
I21R5475	38 2 30	88 29 30	.07	1	.5	.3	N	N	N	200	200
I21R5485	38 2 30	88 29 30	.05	1	.5	.3	N	N	N	200	200
I21R5495	38 2 30	88 29 30	.05	.5	.5	.2	N	N	N	200	150
I21R5505	38 2 30	88 29 30	.05	.3	.2	.2	N	N	N	200	150
I21R5515	38 2 30	88 29 30	<.05	.2	.1	.1	N	N	N	200	150
I21R5525	38 2 30	88 29 30	<.05	.2	.1	.1	N	N	N	200	100
I21R5535	38 2 30	88 29 30	.05	.2	.1	.1	N	N	N	200	100
I21R5545	38 2 30	88 29 30	.07	.5	.2	.2	N	N	N	300	200
I21R5555	38 2 30	88 29 30	.07	.5	.2	.2	N	N	N	300	150
I21R5565	38 2 30	88 29 30	.07	1.5	.5	.5	N	N	N	500	300
I21R5575	38 2 30	88 29 30	.1	1	.5	.5	N	N	N	300	300
I21R5585	38 2 30	88 29 30	.05	1	.5	.3	N	N	N	300	200
I21R5595	38 2 30	88 29 30	.2	.7	.5	.2	N	N	N	200	200
I21R5605	38 2 30	88 29 30	.5	.3	.3	.1	N	N	N	150	100
I21R5615	38 2 30	88 29 30	.5	.2	.3	.1	N	N	N	200	100
I21R5625	38 2 30	88 29 30	.2	.5	.5	.2	N	N	N	200	150
I21R5635	38 2 30	88 29 30	.3	.5	.3	.2	N	N	N	150	150
I21R5645	38 2 30	88 29 30	.3	.5	.3	.2	N	N	N	150	150
I21R5655	38 2 30	88 29 30	.3	.3	.3	.15	N	N	N	20	150
I21R5670	38 2 30	88 29 30	.5	.5	.3	.1	N	N	N	200	150
I21R5680	38 2 30	88 29 30	.1	.3	.2	.15	N	N	N	150	150
I21R5690	38 2 30	88 29 30	.3	.3	.2	.2	N	N	N	200	200
I21R5700	38 2 30	88 29 30	.2	.3	.2	.15	N	N	N	200	150
I21R5710	38 2 30	88 29 30	.5	.3	.3	.2	N	N	N	200	200
I21R5720	38 2 30	88 29 30	.3	.5	.3	.2	N	N	N	200	200
I21R5735	38 2 30	88 29 30	.15	.5	.2	.2	N	N	N	200	200
I21R5745	38 2 30	88 29 30	.15	.5	.5	.3	N	N	N	200	200
I21R5755	38 2 30	88 29 30	.2	.5	.3	.3	N	N	N	200	200
I21R5765	38 2 30	88 29 30	.2	.5	.5	.3	N	N	N	200	200
I21R5775	38 2 30	88 29 30	.15	.5	.5	.3	N	N	N	200	300
I21R5785	38 2 30	88 29 30	.2	.5	.5	.3	N	N	N	200	200
I21R5795	38 2 30	88 29 30	.2	.5	.5	.2	N	N	N	200	150
I21R5805	38 2 30	88 29 30	.5	.2	.3	.15	N	N	N	200	150
I21R5815	38 2 30	88 29 30	.2	.3	.3	.15	N	N	N	200	200
I21R5825	38 2 30	88 29 30	.3	.5	.3	.2	N	N	N	200	150
I21R5835	38 2 30	88 29 30	.2	.5	.3	.3	N	N	N	200	200
I21R5845	38 2 30	88 29 30	.3	.3	.5	.2	N	N	N	200	200
I21R5855	38 2 30	88 29 30	.2	.5	.5	.3	N	N	N	200	200
I21R5865	38 2 30	88 29 30	.15	.5	.5	.3	N	N	N	200	200
I21R5875	38 2 30	88 29 30	.15	1	1	.5	N	N	N	300	300
I21R5885	38 2 30	88 29 30	.1	.7	.7	.3	N	N	N	200	200

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R5250	<1	N	N	<5	20	10	30	10	5	N	10	<10
I21R5270	1	N	N	<5	20	5	N	10	5	N	7	<10
I21R5283	1	N	N	5	30	10	N	10	7	N	15	<10
I21R5320	1.5	N	N	7	50	20	N	50	10	<20	20	15
I21R5330	1	N	N	5	30	15	N	30	7	N	15	<10
I21R5340	1	N	N	5	30	15	N	50	7	N	15	<10
I21R5350	1	N	N	5	50	15	N	50	7	N	15	<10
I21R5360	1	N	N	5	50	10	N	30	7	N	15	<10
I21R5370	1	N	N	5	50	15	N	30	7	N	15	<10
I21R5380	1	N	N	5	70	20	30	50	10	<20	20	<10
I21R5390	1.5	N	N	7	100	20	50	50	10	<20	20	<10
I21R5400	1.5	N	N	5	70	20	30	30	10	N	20	<10
I21R5410	1.5	N	N	<5	50	15	30	30	7	N	15	<10
I21R5420	1	N	N	<5	50	10	N	30	5	N	15	<10
I21R5430	1	N	N	<5	30	15	N	20	5	N	10	<10
I21R5435	1	N	N	<5	30	10	N	30	7	N	10	<10
I21R5445	1	N	N	5	30	10	N	20	7	N	10	<10
I21R5455	1.5	N	N	5	50	15	N	30	10	N	15	<10
I21R5465	2	N	N	10	100	30	50	70	10	<20	20	15
I21R5475	2	N	N	10	70	50	30	100	20	N	20	15
I21R5485	1.5	<10	N	15	70	30	50	50	20	<20	50	10
I21R5495	1	N	N	5	50	15	N	30	10	<20	20	<10
I21R5505	1	N	N	5	50	15	N	15	7	<20	10	<10
I21R5515	1	N	N	5	30	10	N	10	5	<20	10	<10
I21R5525	1	N	N	<5	20	7	N	10	5	<20	10	<10
I21R5535	1	N	N	<5	30	7	<20	15	<5	<20	10	<10
I21R5545	1	<10	N	<5	50	20	<20	20	5	<20	15	<10
I21R5555	1	<10	N	5	50	15	50	15	7	<20	10	<10
I21R5565	2	<10	N	20	70	50	50	70	20	<20	50	20
I21R5575	2	<10	N	15	70	30	30	20	15	<20	50	15
I21R5585	1.5	N	N	7	70	30	N	30	15	<20	30	20
I21R5595	1.5	<10	N	7	50	15	N	20	10	<20	30	10
I21R5605	1	N	N	<5	30	7	N	10	5	<20	10	<10
I21R5615	1	N	N	<5	20	7	N	15	5	<20	10	<10
I21R5625	1	<10	N	<5	30	10	N	20	7	<20	15	<10
I21R5635	1	N	N	<5	20	7	N	15	7	<20	10	<10
I21R5645	1	N	N	<5	50	10	N	20	7	<20	10	<10
I21R5655	1	N	N	<5	50	15	<20	20	7	<20	10	<10
I21R5670	1	N	N	<5	30	10	N	15	7	<20	10	<10
I21R5680	<1	N	N	<5	20	10	N	15	7	<20	10	10
I21R5690	1	N	N	<5	20	20	N	20	7	<20	20	<10
I21R5700	1	N	N	<5	30	10	N	20	7	<20	15	<10
I21R5710	1	N	N	<5	30	15	N	20	5	<20	15	<10
I21R5720	1	N	N	<5	20	15	N	20	7	<20	20	<10
I21R5735	1	N	N	<5	30	15	<20	20	7	<20	20	<10
I21R5745	1	N	N	<5	50	20	N	20	7	<20	30	<10
I21R5755	1.5	N	N	<5	50	20	<20	20	7	<20	30	<10
I21R5765	1.5	N	N	<5	50	20	N	20	10	<20	30	<10
I21R5775	1	N	N	5	70	30	N	20	10	<20	50	<10
I21R5785	1	N	N	<5	50	15	N	20	5	<20	30	<10
I21R5795	1	N	N	<5	30	15	N	20	10	<20	20	<10
I21R5805	1	N	N	<5	20	5	N	20	<5	<20	10	<10
I21R5815	1	N	N	5	50	15	N	20	<5	<20	10	<10
I21R5825	1	N	N	<5	50	10	N	20	<5	<20	10	<10
I21R5835	1	N	N	<5	50	20	N	20	5	<20	15	<10
I21R5845	1	N	N	<5	50	10	N	20	5	<20	15	<10
I21R5855	1	N	N	<5	70	15	N	20	7	<20	30	<10
I21R5865	1.5	N	N	<5	50	20	N	30	7	<20	30	<10
I21R5875	1.5	N	N	7	70	20	30	20	7	<20	30	<10
I21R5885	1.5	N	N	7	70	15	N	30	5	<20	20	<10

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R5250	N	5	N	<100	N	50	<50	N	<200	50	<.05	12
I21R5270	N	5	N	<100	N	50	<50	N	<200	50	<.05	12
I21R5283	N	7	N	<100	N	70	<50	N	200	50	<.05	12
I21R5320	N	10	N	<100	N	100	<50	15	<200	50	<.05	12
I21R5330	N	7	N	<100	N	50	<50	10	<200	100	<.05	12
I21R5340	N	7	N	<100	N	70	<50	10	<200	50	<.05	12
I21R5350	N	10	N	<100	N	70	<50	10	<200	50	<.05	12
I21R5360	N	7	N	<100	N	70	<50	10	<200	100	<.05	12
I21R5370	N	7	N	<100	N	50	<50	10	<200	50	<.05	12
I21R5380	N	10	N	<100	N	70	50	15	<200	100	<.05	12
I21R5390	N	10	N	<100	N	70	<50	15	<200	100	<.05	12
I21R5400	N	7	N	<100	N	70	<50	15	<200	100	<.05	12
I21R5410	N	7	N	<100	N	70	<50	10	<200	100	<.05	12
I21R5420	N	7	N	<100	N	70	<50	10	<200	100	<.05	12
I21R5430	N	7	N	200	N	70	<50	10	<200	50	<.05	12
I21R5435	N	5	N	<100	N	70	<50	10	<200	70	<.05	12
I21R5445	N	7	N	<100	N	70	<50	10	<200	50	<.05	12
I21R5455	N	10	N	<100	N	100	<50	15	200	100	<.05	12
I21R5465	N	10	N	<100	N	100	<50	20	200	100	.05	12
I21R5475	N	10	N	<100	N	100	<50	20	<200	100	<.05	12
I21R5485	N	10	N	100	N	150	<50	15	<200	100	<.05	12
I21R5495	N	7	N	100	N	100	<50	10	300	100	<.05	12
I21R5505	N	7	N	100	N	100	<50	10	<200	50	<.05	12
I21R5515	N	5	N	100	N	50	<50	<10	<200	100	<.05	12
I21R5525	N	5	N	100	N	50	<50	<10	<200	50	<.05	12
I21R5535	N	5	N	100	N	50	<50	10	<200	50	<.05	12
I21R5545	N	7	N	100	N	70	<50	10	200	70	<.05	12
I21R5555	N	7	N	100	N	100	<50	20	<200	70	<.05	12
I21R5565	N	15	N	100	N	150	<50	15	200	100	.05	12
I21R5575	N	10	N	100	N	150	<50	15	<200	100	<.05	12
I21R5585	N	10	N	100	N	100	<50	10	<200	100	<.05	12
I21R5595	N	7	N	100	N	100	<50	N	<200	100	<.05	12
I21R5605	N	5	N	100	N	50	<50	N	200	50	<.05	12
I21R5615	N	5	N	100	N	50	<50	10	200	50	<.05	12
I21R5625	N	7	N	100	N	70	<50	10	<200	50	<.05	12
I21R5635	N	5	N	100	N	70	<50	10	<200	50	<.05	12
I21R5645	N	7	N	100	N	50	<50	15	200	50	<.05	12
I21R5655	N	7	N	100	N	50	<50	15	<200	50	<.05	12
I21R5670	N	5	N	100	N	50	<50	10	<200	50	<.05	12
I21R5680	N	5	N	100	N	30	<50	10	<200	50	<.05	12
I21R5690	N	5	N	100	N	50	<50	10	<200	100	<.05	12
I21R5700	N	5	N	<100	N	50	<50	<10	<200	50	<.05	12
I21R5710	N	7	N	<100	N	50	<50	10	<200	100	<.05	12
I21R5720	N	7	N	<100	N	70	<50	<10	<200	100	<.05	12
I21R5735	N	7	N	150	N	70	<50	<10	<200	70	<.05	12
I21R5745	N	10	N	100	N	100	<50	10	<200	150	<.05	12
I21R5755	N	7	N	100	N	70	<50	10	<200	100	<.05	12
I21R5765	N	7	N	100	N	70	<50	10	<200	150	<.05	12
I21R5775	N	10	N	150	N	70	<50	15	200	150	<.05	12
I21R5785	N	7	N	100	N	70	<50	15	<200	100	<.05	12
I21R5795	N	5	N	100	N	50	<50	10	<200	100	<.05	12
I21R5805	N	5	N	100	N	50	<50	10	<200	100	<.05	12
I21R5815	N	5	N	100	N	50	<50	10	<200	100	<.05	12
I21R5825	N	5	N	100	N	50	<50	<10	<200	100	<.05	12
I21R5835	N	5	N	100	N	70	<50	10	<200	100	<.05	12
I21R5845	N	5	N	100	N	50	<50	<10	<200	100	<.05	12
I21R5855	N	7	N	100	N	50	<50	15	<200	150	<.05	12
I21R5865	N	7	N	100	N	50	<50	15	<200	100	.05	12
I21R5875	N	10	N	100	N	70	<50	15	<200	150	.07	12
I21R5885	N	7	N	100	N	70	<50	10	200	100	.07	12

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I21R5895	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	200	300
I21R5905	38 2 30	88 29 30	.15	1	.5	.5	N	N	N	200	200
I21R5915	38 2 30	88 29 30	.2	.5	.3	.2	N	N	N	150	200
I21R5925	38 2 30	88 29 30	.1	.5	.5	.5	N	N	N	150	200
I21R5935	38 2 30	88 29 30	.15	.5	.5	.5	N	N	N	150	200
I21R5945	38 2 30	88 29 30	.1	.7	.5	.5	N	N	N	200	300
I21R5955	38 2 30	88 29 30	.2	.5	.5	.3	N	N	N	200	200
I21R5965	38 2 30	88 29 30	.2	.5	.3	.2	N	N	N	200	200
I21R5975	38 2 30	88 29 30	.15	.5	.3	.5	N	N	N	200	300
I21R5985	38 2 30	88 29 30	.2	.5	.3	.3	N	N	N	200	300
I21R5995	38 2 30	88 29 30	.2	.5	.3	.2	N	N	N	200	200
I21R6005	38 2 30	88 29 30	.2	.5	.5	.2	N	N	N	200	200
I21R6015	38 2 30	88 29 30	.2	.7	.5	.3	N	N	N	200	300
I21R6025	38 2 30	88 29 30	.2	1	.5	.3	N	N	N	200	200
I21R6035	38 2 30	88 29 30	.2	1	.7	.3	N	N	N	200	200
I21R6045	38 2 30	88 29 30	.2	1	.7	.3	N	N	N	200	300
I21R6055	38 2 30	88 29 30	.2	1	.7	.5	N	N	N	500	300
I21R6065	38 2 30	88 29 30	.7	1	.7	1	N	N	N	200	300
I21R6075	38 2 30	88 29 30	.15	1	1	.5	N	N	N	300	300
I21R6085	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	300	300
I21R6095	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	200	300
I21R6105	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	200	300
I21R6115	38 2 30	88 29 30	.2	1	.5	.5	N	N	N	200	300
I21R6125	38 2 30	88 29 30	.2	.7	.5	.3	N	N	N	200	200
I21R6135	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	200	200
I21R6145	38 2 30	88 29 30	.1	1	.7	.5	N	N	N	200	200
I21R6155	38 2 30	88 29 30	.1	1	.7	.5	N	N	N	200	200
I21R6165	38 2 30	88 29 30	.15	1.5	1	.5	N	N	N	200	300
I21R6175	38 2 30	88 29 30	.1	2	1	.5	N	N	N	200	300
I21R6185	38 2 30	88 29 30	.05	2	1	.5	N	N	N	300	500
I21R6195	38 2 30	88 29 30	.07	1.5	1	.5	N	N	N	200	700
I21R6210	38 2 30	88 29 30	.07	1.5	1	.5	N	N	N	200	500
I21R6220	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	300	500
I21R6230	38 2 30	88 29 30	.07	1	1	.5	N	N	N	300	500
I21R6240	38 2 30	88 29 30	.07	1.5	1	.5	N	N	N	200	500
I21R6255	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	300	500
I21R6265	38 2 30	88 29 30	.05	1.5	1	.5	N	N	N	200	500
I21R6275	38 2 30	88 29 30	.07	1.5	1	.5	N	N	N	300	500
I21R6285	38 2 30	88 29 30	.05	2	1	.5	N	N	N	300	500
I21R6295	38 2 30	88 29 30	.05	1.5	.7	.5	N	N	N	300	500
I21R6305	38 2 30	88 29 30	.05	2	1	.7	N	N	N	300	500
I21R6315	38 2 30	88 29 30	.07	2	1	.5	N	N	N	300	500
I21R6325	38 2 30	88 29 30	.07	1.5	.7	.7	N	N	N	300	500
I21R6335	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	300	300
I21R6345	38 2 30	88 29 30	.1	1.5	.7	.7	N	N	N	300	500
I21R6355	38 2 30	88 29 30	.05	1.5	.7	.7	N	N	N	300	500
I21R6365	38 2 30	88 29 30	.2	1.5	.7	.7	N	N	N	500	500
I21R6375	38 2 30	88 29 30	.05	1.5	.7	.5	N	N	N	500	300
I21R6385	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	300	300
I21R6395	38 2 30	88 29 30	.15	1.5	.7	.7	N	N	N	300	500
I21R6405	38 2 30	88 29 30	.1	1	.7	.5	N	N	N	300	300
I21R6415	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	300	200
I21R6425	38 2 30	88 29 30	.2	1	.5	.3	N	N	N	200	200
I21R6435	38 2 30	88 29 30	.3	.5	.5	.15	N	N	N	200	150
I21R6445	38 2 30	88 29 30	.2	.5	.5	.3	N	N	N	500	200
I21R6455	38 2 30	88 29 30	.1	1	.5	.5	N	N	N	500	300
I21R6465	38 2 30	88 29 30	.1	1	.7	.7	N	N	N	500	500
I21R6475	38 2 30	88 29 30	.05	1	.7	.7	N	N	N	500	700
I21R6485	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	500	500
I21R6495	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	500	300

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R5895	1.5	<10	N	5	100	30	<20	70	5	N	30	<10
I21R5905	2	<10	N	5	70	30	<20	70	10	N	20	<10
I21R5915	1	<10	N	<5	50	15	<20	50	5	N	10	<10
I21R5925	1.5	N	N	5	70	20	<20	70	5	N	15	<10
I21R5935	1.5	N	N	5	70	20	<20	50	5	N	20	<10
I21R5945	1.5	N	N	15	100	50	30	100	7	N	50	15
I21R5955	1	N	N	5	50	30	<20	50	5	N	20	<10
I21R5965	1	N	N	<5	100	10	<20	50	10	N	20	<10
I21R5975	1.5	N	N	5	70	100	30	70	10	N	30	<10
I21R5985	1	N	N	5	50	20	<20	50	10	N	10	<10
I21R5995	1	N	N	5	100	10	<20	50	7	N	15	<10
I21R6005	1	N	N	5	150	20	<20	30	7	N	20	<10
I21R6015	1	N	N	7	70	20	<20	50	10	N	20	<10
I21R6025	1	N	N	5	70	15	<20	30	7	N	20	<10
I21R6035	1	N	N	5	100	20	30	30	7	N	200	<10
I21R6045	1.5	N	N	5	100	30	<20	50	5	N	30	<10
I21R6055	1.5	N	N	7	70	30	30	70	10	N	30	20
I21R6065	2	N	N	7	100	70	<20	100	10	<20	50	20
I21R6075	1.5	N	N	5	70	30	30	70	7	<20	30	30
I21R6085	1.5	N	N	7	70	30	50	70	7	<20	20	10
I21R6095	1.5	N	N	5	100	30	50	70	7	<20	30	10
I21R6105	1.5	N	N	7	70	50	<20	100	7	<20	30	20
I21R6115	2	N	N	5	70	30	<20	100	5	N	30	20
I21R6125	2	N	N	<5	70	20	<20	100	5	N	20	20
I21R6135	2	N	N	5	100	20	<20	100	7	<20	20	20
I21R6145	2	N	N	7	100	30	<20	100	5	<20	20	20
I21R6155	2	N	N	10	100	20	<20	100	7	N	30	20
I21R6165	2	N	N	10	100	50	<20	150	10	N	30	20
I21R6175	2	N	N	10	100	30	30	150	10	N	30	20
I21R6185	2	N	N	10	100	50	50	150	15	<20	30	30
I21R6195	2	N	N	7	100	30	50	150	7	N	20	30
I21R6210	2	N	N	7	100	20	50	150	5	<20	30	30
I21R6220	2	N	N	10	150	70	30	150	7	N	50	30
I21R6230	2	N	N	7	100	50	50	150	5	N	20	20
I21R6240	2	N	N	7	100	50	50	150	5	N	30	20
I21R6255	2	N	N	7	100	20	50	150	7	N	30	20
I21R6265	2	N	N	10	100	20	50	150	7	N	30	20
I21R6275	2	N	N	7	150	50	50	150	10	<20	50	30
I21R6285	2	N	N	10	150	70	70	150	10	N	50	30
I21R6295	1.5	N	N	15	100	70	50	150	7	N	30	20
I21R6305	2	N	N	10	150	70	70	200	10	<20	50	30
I21R6315	1.5	N	N	10	100	50	50	150	10	N	50	20
I21R6325	2	N	N	15	150	50	50	150	20	<20	50	30
I21R6335	2	N	N	20	100	70	50	100	15	N	70	30
I21R6345	2	N	N	20	150	70	70	150	15	<20	100	50
I21R6355	2	N	N	20	150	100	70	150	15	<20	100	50
I21R6365	2	N	N	15	100	100	50	200	15	N	100	30
I21R6375	2	N	N	15	150	100	50	150	20	<20	100	50
I21R6385	2	N	N	20	150	70	70	150	15	<20	100	30
I21R6395	2	N	N	15	150	70	70	200	15	<20	100	20
I21R6405	2	N	N	15	100	50	50	100	15	N	100	20
I21R6415	2	N	N	10	100	20	50	100	5	N	70	15
I21R6425	1.5	N	N	7	50	15	<20	100	7	N	50	<10
I21R6435	1	N	N	5	20	10	N	50	5	N	20	<10
I21R6445	1.5	N	N	5	50	15	N	100	7	N	50	<10
I21R6455	1.5	N	N	10	100	20	50	100	10	N	70	15
I21R6465	2	N	N	15	100	50	100	150	10	<20	100	30
I21R6475	2	N	N	20	150	30	70	150	15	<20	100	20
I21R6485	2	N	N	15	150	70	70	150	10	<20	100	30
I21R6495	2	N	N	20	100	50	50	150	15	N	100	30

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R5895	N	10	N	100	N	100	<50	15	<200	150	<.05	12
I21R5905	N	10	N	100	N	100	<50	15	<200	200	.05	12
I21R5915	N	7	N	100	N	70	<50	10	<200	150	<.05	12
I21R5925	N	10	N	100	N	100	<50	15	<200	150	.05	12
I21R5935	N	7	N	100	N	100	<50	15	<200	150	<.05	12
I21R5945	N	10	N	100	N	150	<50	20	<200	150	<.05	12
I21R5955	N	10	N	100	N	100	<50	10	<200	100	<.05	12
I21R5965	N	7	N	100	N	100	<50	10	200	150	<.05	12
I21R5975	N	10	N	100	N	150	<50	15	<200	100	<.05	12
I21R5985	N	7	N	100	N	100	<50	15	<200	150	<.05	12
I21R5995	N	7	N	100	N	70	<50	10	<200	100	<.05	12
I21R6005	N	7	N	100	N	70	<50	10	<200	100	<.05	12
I21R6015	N	7	N	100	N	100	<50	15	<200	150	<.05	12
I21R6025	N	5	N	100	N	70	<50	10	<200	100	<.05	12
I21R6035	N	10	N	100	N	100	<50	15	<200	100	<.05	12
I21R6045	N	10	N	100	N	100	<50	15	<200	100	<.05	12
I21R6055	N	10	N	100	N	100	<50	15	<200	100	<.05	12
I21R6065	N	15	N	200	N	150	<50	15	<200	200	<.05	12
I21R6075	N	10	N	150	N	100	<50	20	<200	100	.07	12
I21R6085	N	15	N	100	N	100	<50	20	<200	100	<.05	12
I21R6095	N	10	N	100	N	100	<50	20	<200	100	<.05	12
I21R6105	N	10	N	<100	N	150	N	20	<200	150	<.05	12
I21R6115	N	15	N	<100	N	150	N	15	<200	150	<.05	12
I21R6125	N	10	N	<100	N	150	N	15	<200	150	<.05	12
I21R6135	N	10	N	200	N	150	N	15	<200	150	<.05	12
I21R6145	N	10	N	<100	N	150	N	15	<200	150	.06	12
I21R6155	N	15	N	<100	N	150	N	10	<200	150	.07	12
I21R6165	N	15	N	<100	N	150	N	15	<200	150	.06	12
I21R6175	N	15	N	<100	N	150	N	20	<200	150	.06	12
I21R6185	N	15	N	<100	N	150	N	20	<200	150	.07	12
I21R6195	N	10	N	300	N	150	N	15	<200	150	.07	12
I21R6210	N	10	N	150	N	150	N	20	<200	150	.06	12
I21R6220	N	15	N	100	N	150	N	20	<200	150	.09	12
I21R6230	N	10	N	200	N	150	N	20	<200	200	.07	12
I21R6240	N	15	N	200	N	150	N	20	<200	200	.07	12
I21R6255	N	10	N	100	N	150	N	20	<200	200	.07	12
I21R6265	N	10	N	100	N	150	N	20	<200	200	.06	12
I21R6275	N	15	N	150	N	150	N	30	<200	150	.06	12
I21R6285	N	20	N	150	N	150	N	30	<200	150	.05	12
I21R6295	N	15	N	150	N	150	N	30	<200	200	.05	12
I21R6305	N	20	N	200	N	150	N	30	<200	200	.05	12
I21R6315	N	15	N	100	N	150	N	30	200	200	.05	12
I21R6325	N	15	N	200	N	200	N	30	<200	200	.06	12
I21R6335	N	15	N	150	N	200	N	30	300	150	.05	12
I21R6345	N	20	N	150	N	150	N	30	200	150	.06	12
I21R6355	N	20	N	150	N	150	N	30	<200	200	.05	12
I21R6365	N	20	N	200	N	200	N	20	<200	200	.06	12
I21R6375	N	20	N	200	N	200	N	30	<200	200	.06	12
I21R6385	N	20	N	150	N	150	N	30	<200	200	.05	12
I21R6395	N	20	N	150	N	150	N	30	<200	200	.05	12
I21R6405	N	15	N	100	N	150	N	20	<200	200	<.05	12
I21R6415	N	15	N	150	N	100	N	15	<200	150	<.05	12
I21R6425	N	10	N	100	N	100	N	10	<200	150	<.05	12
I21R6435	N	7	N	<100	N	100	N	10	<200	100	<.05	12
I21R6445	N	10	N	100	N	100	N	10	<200	150	<.05	12
I21R6455	N	15	N	100	N	150	N	20	<200	150	<.05	12
I21R6465	N	20	N	100	N	200	N	30	500	200	.05	12
I21R6475	N	20	N	150,	N	200	N	50	<200	200	.06	22
I21R6485	N	20	N	150	N	200	N	50	200	200	.05	22
I21R6495	N	15	N	100	N	150	N	50	<200	200	.05	22

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R6505	38 2 30	88 29 30	.05	1.5	.7	.7	N	N	N	500	500
I21R6520	38 2 30	88 29 30	.05	1	.7	.5	N	N	N	500	300
I21R6685	38 2 30	88 29 30	.05	1.5	.7	.5	N	N	N	500	300
I21R6695	38 2 30	88 29 30	.07	1.5	1	.7	N	N	N	500	300
I21R6715	38 2 30	88 29 30	.07	1	.7	.5	N	N	N	300	300
I21R6725	38 2 30	88 29 30	.1	1	.7	.5	N	N	N	300	500
I21R6735	38 2 30	88 29 30	.1	1	.7	.5	N	N	N	300	700
I21R6750	38 2 30	88 29 30	.05	1	.7	.5	N	N	N	300	500
I21R6765	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	300	500
I21R6775	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	500	500
I21R6785	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	500	500
I21R6800	38 2 30	88 29 30	.07	1.5	.5	.5	N	N	N	300	700
I21R6810	38 2 30	88 29 30	.15	1.5	.5	.5	N	N	N	300	300
I21R6820	38 2 30	88 29 30	.15	1.5	.5	.3	N	N	N	200	200
I21R6830	38 2 30	88 29 30	.1	1.5	.5	.2	N	N	N	150	700
I21R6840	38 2 30	88 29 30	.15	1	.5	.3	N	N	N	150	1,000
I21R6850	38 2 30	88 29 30	.15	1	.5	.3	N	N	N	200	1,000
I21R6860	38 2 30	88 29 30	.15	1	.5	.5	N	N	N	200	500
I21R6870	38 2 30	88 29 30	.1	1	.7	.3	N	N	N	150	500
I21R6880	38 2 30	88 29 30	.2	1	.3	.15	N	N	N	100	150
I21R6890	38 2 30	88 29 30	1	1	.5	.1	N	N	N	70	100
I21R6900	38 2 30	88 29 30	.7	1	.5	.15	N	N	N	70	100
I21R6910	38 2 30	88 29 30	.5	.3	.5	.15	N	N	N	150	200
I21R6920	38 2 30	88 29 30	.5	.5	.5	.15	N	N	N	150	150
I21R6930	38 2 30	88 29 30	.5	.5	.5	.2	N	N	N	150	150
I21R6940	38 2 30	88 29 30	.2	1	.5	.2	N	N	N	200	200
I21R6950	38 2 30	88 29 30	.2	1	.5	.3	N	N	N	200	200
I21R6960	38 2 30	88 29 30	.3	.7	.5	.3	N	N	N	150	150
I21R6970	38 2 30	88 29 30	.3	1	.5	.3	N	N	N	200	200
I21R6980	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	200	200
I21R6990	38 2 30	88 29 30	.15	1.5	.7	.7	N	N	N	300	300
I21R7000	38 2 30	88 29 30	.2	1	.5	.2	N	N	N	200	300
I21R7010	38 2 30	88 29 30	.15	1.5	.5	.5	N	N	N	200	300
I21R7020	38 2 30	88 29 30	.15	1.5	.5	.3	N	N	N	300	300
I21R7030	38 2 30	88 29 30	.2	1.5	.5	.2	N	N	N	300	200
I21R7040	38 2 30	88 29 30	.5	.5	.5	.2	N	N	N	200	200
I21R7050	38 2 30	88 29 30	.5	.3	.5	.1	N	N	N	100	100
I21R7060	38 2 30	88 29 30	.5	.5	.3	.15	N	N	N	100	200
I21R7070	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	500	300
I21R7080	38 2 30	88 29 30	.15	2	1	.5	N	N	N	500	500
I21R7090	38 2 30	88 29 30	.1	2	1	.5	N	N	N	700	300
I21R7100	38 2 30	88 29 30	.15	1.5	1	.5	N	N	N	500	300
I21R7110	38 2 30	88 29 30	.1	2	.7	.5	N	N	N	500	200
I21R7120	38 2 30	88 29 30	.1	2	.7	.5	N	N	N	500	500
I21R7130	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	700	300
I21R7140	38 2 30	88 29 30	.15	2	.7	.7	N	N	N	500	300
I21R7150	38 2 30	88 29 30	.15	2	.7	.5	N	N	N	500	500
I21R7160	38 2 30	88 29 30	.1	2	.7	.7	N	N	N	500	300
I21R7170	38 2 30	88 29 30	.1	1.5	1	.7	N	N	N	500	300
I21R7180	38 2 30	88 29 30	.1	2	1	.7	N	N	N	500	500
I21R7190	38 2 30	88 29 30	.1	2	1	.5	N	N	N	500	500
I21R7200	38 2 30	88 29 30	.1	2	1	.5	N	N	N	500	700
I21R7210	38 2 30	88 29 30	.15	3	1	.5	N	N	N	500	300
I21R7220	38 2 30	88 29 30	<.05	2	1	.5	N	N	N	500	500
I21R7230	38 2 30	88 29 30	.1	2	1	.7	N	N	N	500	300
I21R7240	38 2 30	88 29 30	.15	2	1	.7	N	N	N	700	500
I21R7250	38 2 30	88 29 30	.1	2	.7	.7	N	N	N	500	500
I21R7260	38 2 30	88 29 30	.1	1.5	.5	.5	N	N	N	300	500
I21R7270	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	300	300
I21R7280	38 2 30	88 29 30	.3	5	.7	.5	N	N	N	500	500

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R6505	2	N	N	20	100	50	70	150	20	<20	100	20
I21R6520	2	N	N	15	100	50	50	150	20	<20	100	30
I21R6685	2	N	N	15	100	30	50	200	7	<20	50	20
I21R6695	2	N	N	20	100	50	70	200	15	<20	70	20
I21R6715	2	N	N	15	100	50	70	150	15	<20	70	20
I21R6725	2	N	N	10	100	30	50	150	10	<20	70	20
I21R6735	2	N	N	15	100	20	50	150	10	<20	50	20
I21R6750	2	N	N	20	100	200	70	200	15	<20	70	50
I21R6765	2	N	N	30	100	100	70	200	20	<20	100	50
I21R6775	2	N	N	30	150	100	70	150	50	<20	150	50
I21R6785	1.5	N	N	30	150	50	70	150	30	<20	100	30
I21R6800	2	N	N	15	100	20	50	200	7	N	100	20
I21R6810	2	N	N	30	150	50	50	200	30	<20	100	20
I21R6820	1.5	N	N	5	50	15	<20	150	5	<20	30	20
I21R6830	1.5	N	N	5	70	15	N	100	5	N	20	15
I21R6840	1	N	N	5	50	15	N	100	5	N	10	15
I21R6850	1	N	N	7	50	15	<20	150	7	N	15	15
I21R6860	1.5	N	N	7	70	20	<20	150	5	N	30	20
I21R6870	1	N	N	5	50	20	<20	100	5	N	20	20
I21R6880	<1	N	N	<5	20	5	N	20	<5	N	10	<10
I21R6890	<1	N	N	<5	20	5	N	20	<5	N	10	<10
I21R6900	1	N	N	<5	20	7	N	20	<5	N	10	<10
I21R6910	1	N	N	5	20	5	N	70	<5	N	10	<10
I21R6920	1	N	N	5	30	7	N	50	5	N	15	<10
I21R6930	1	N	N	5	30	10	N	70	5	N	15	<10
I21R6940	1.5	N	N	5	50	15	N	100	<5	N	20	<10
I21R6950	1.5	N	N	5	70	15	N	100	5	N	20	<10
I21R6960	1	N	N	5	30	15	N	100	5	N	15	<10
I21R6970	1	N	N	7	50	15	N	100	5	N	15	<10
I21R6980	1.5	N	N	7	100	20	N	100	7	N	20	<10
I21R6990	2	N	N	7	100	30	30	150	7	<20	30	30
I21R7000	1.5	N	N	7	50	15	<20	100	7	<20	20	<10
I21R7010	2	N	N	7	70	20	30	150	10	<20	30	15
I21R7020	2	N	N	15	70	20	<20	150	<5	N	30	30
I21R7030	1.5	N	N	7	70	20	<20	150	<5	N	20	20
I21R7040	1	N	N	5	30	10	N	50	<5	N	10	<10
I21R7050	<1	N	N	5	20	5	N	30	<5	N	10	<10
I21R7060	<1	N	N	5	20	10	N	30	<5	N	10	10
I21R7070	2	N	N	10	100	70	50	150	20	<20	70	20
I21R7080	1.5	N	N	15	100	100	70	200	30	<20	100	30
I21R7090	2	N	N	15	100	100	50	200	30	<20	100	20
I21R7100	2	N	N	10	100	70	50	200	20	<20	70	30
I21R7110	2	N	N	7	100	50	50	150	7	N	50	10
I21R7120	2	N	N	20	100	100	70	200	15	N	70	50
I21R7130	2	N	N	10	100	50	50	200	10	N	100	150
I21R7140	2	N	N	10	100	100	50	200	50	<20	100	50
I21R7150	2	N	N	20	150	100	70	200	30	N	100	70
I21R7160	2	N	N	20	150	100	50	200	20	N	100	50
I21R7170	1.5	N	N	15	100	50	50	200	10	N	70	30
I21R7180	1.5	N	N	15	150	100	30	200	20	<20	100	50
I21R7190	2	N	N	15	150	50	30	200	20	N	100	50
I21R7200	2	N	N	15	100	100	30	200	20	N	70	50
I21R7210	2	N	N	20	150	100	<20	200	50	N	100	50
I21R7220	2	N	N	15	150	50	<20	200	10	N	70	50
I21R7230	2	N	N	15	150	70	30	200	20	<20	100	70
I21R7240	2	N	N	15	100	70	50	200	10	<20	100	20
I21R7250	2	N	N	15	100	100	50	200	20	N	100	50
I21R7260	2	N	N	10	100	50	30	200	15	N	50	50
I21R7270	2	N	N	15	100	70	50	200	30	N	70	50
I21R7280	2	N	N	30	100	100	30	300	100	N	100	70

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R6505	N	15	N	100	N	200	N	50	<200	200	.06	22
I21R6520	N	15	N	100	N	150	N	30	<200	200	.05	22
I21R6685	N	15	N	150	N	150	N	30	<200	150	.05	22
I21R6695	N	20	N	150	N	150	N	30	<200	200	.06	25
I21R6715	N	15	N	150	N	150	N	20	<200	200	.05	25
I21R6725	N	15	N	150	N	150	N	20	<200	200	.05	25
I21R6735	N	15	N	150	N	150	50	20	<200	200	.05	25
I21R6750	N	15	N	150	N	150	N	30	700	150	.07	25
I21R6765	N	20	N	150	N	200	N	30	<200	200	.07	25
I21R6775	N	20	N	150	N	200	N	30	<200	150	.07	25
I21R6785	N	20	N	150	N	200	N	30	<200	200	.07	25
I21R6800	N	15	N	150	N	100	50	20	<200	200	.07	26
I21R6810	N	20	N	150	N	150	<50	30	<200	200	.06	26
I21R6820	N	10	N	150	N	100	N	15	<200	200	<.05	26
I21R6830	N	10	N	150	N	50	70	10	<200	200	<.05	26
I21R6840	N	7	N	300	N	50	N	10	<200	150	<.05	26
I21R6850	N	7	N	100	N	70	50	10	<200	150	<.05	26
I21R6860	N	10	N	100	N	100	<50	10	300	200	<.05	26
I21R6870	N	7	N	<100	N	100	<50	10	<200	200	<.05	26
I21R6880	N	5	N	N	N	30	<50	N	<200	50	<.05	26
I21R6890	N	<5	N	<100	N	30	<50	N	<200	50	<.05	26
I21R6900	N	5	N	N	N	50	<50	N	<200	50	<.05	26
I21R6910	N	5	N	<100	N	50	<50	N	<200	150	<.05	26
I21R6920	N	7	N	<100	N	50	<50	N	<200	100	<.05	26
I21R6930	N	7	N	300	N	70	<50	N	<200	150	<.05	26
I21R6940	N	7	N	100	N	70	<50	<10	<200	100	.07	26
I21R6950	N	10	N	<100	N	100	<50	10	<200	100	.06	26
I21R6960	N	5	N	<100	N	70	<50	<10	<200	100	.07	26
I21R6970	N	5	N	200	N	70	<50	10	N	100	.05	26
I21R6980	N	7	N	<100	N	100	<50	10	200	100	.1	26
I21R6990	N	15	N	100	N	150	<50	20	<200	150	.09	26
I21R7000	N	10	N	<100	N	100	<50	10	<200	100	.07	26
I21R7010	N	15	N	100	N	150	50	20	<200	150	.05	26
I21R7020	N	10	N	<100	N	150	<50	10	<200	150	.07	26
I21R7030	N	7	N	100	N	100	<50	10	200	150	.05	26
I21R7040	N	5	N	2,000	N	50	<50	<10	<200	70	<.05	26
I21R7050	N	5	N	<100	N	30	<50	<10	<200	50	<.05	26
I21R7060	N	5	N	<100	N	30	<50	<10	N	50	<.05	26
I21R7070	N	15	N	200	N	200	<50	30	<200	150	.06	26
I21R7080	N	15	N	100	N	200	100	50	<200	200	.07	26
I21R7090	N	15	N	100	N	200	N	20	<200	200	.08	26
I21R7100	N	10	N	150	N	150	<50	20	<200	200	.07	26
I21R7110	N	10	N	<100	N	150	50	15	<200	150	.07	26
I21R7120	N	15	N	<100	N	200	N	30	<200	150	.07	26
I21R7130	N	15	N	<100	N	150	N	20	<200	150	.08	26
I21R7140	N	15	N	<100	N	150	N	20	<200	150	.08	26
I21R7150	N	15	N	<100	N	200	N	30	<200	200	.08	26
I21R7160	N	15	N	<100	N	200	N	20	<200	200	.12	26
I21R7170	N	10	N	<100	N	50	N	15	<200	150	.23	26
I21R7180	N	10	N	<100	N	200	N	15	<200	200	.17	26
I21R7190	N	15	N	<100	N	200	N	20	<200	200	.18	26
I21R7200	N	15	N	<100	N	200	N	20	<200	200	.13	26
I21R7210	N	15	N	<100	N	150	N	20	200	150	.18	26
I21R7220	N	10	N	<100	N	150	N	10	<200	150	.19	26
I21R7230	N	10	N	<100	N	150	N	15	<200	200	.19	26
I21R7240	N	15	N	<100	N	200	N	20	300	200	.19	26
I21R7250	N	15	N	<100	N	200	N	20	<200	200	.08	26
I21R7260	N	10	N	<100	N	100	N	15	<200	200	.15	26
I21R7270	N	15	N	<100	N	150	N	20	<200	150	.12	26
I21R7280	N	15	N	<100	N	200	N	30	<200	200	.12	26

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R7290	38 2 30	88 29 30	.05	2	.7	.5	N	N	N	500	500
I21R7300	38 2 30	88 29 30	.05	5	1	.7	N	N	N	500	300
I21R7310	38 2 30	88 29 30	.05	2	1	.7	N	N	N	300	300
I21R7320	38 2 30	88 29 30	.05	2	1	.7	N	N	N	300	300
I21R7330	38 2 30	88 29 30	.07	2	1	.5	N	N	N	500	300
I21R7340	38 2 30	88 29 30	.07	2	1	.5	N	N	N	500	300
I21R7350	38 2 30	88 29 30	10	1	.7	.2	N	N	N	300	500
I21R7360	38 2 30	88 29 30	>20	.5	.3	.2	N	N	N	500	150
I21R7370	38 2 30	88 29 30	20	.7	.5	.3	N	N	N	500	300
I21R7380	38 2 30	88 29 30	20	1	.5	.3	N	N	N	500	300
I21R7390	38 2 30	88 29 30	>20	.7	.3	.2	N	N	N	300	200
I21R7400	38 2 30	88 29 30	>20	1	.7	.2	N	N	N	500	300
I21R7410	38 2 30	88 29 30	20	1	.7	.5	N	N	N	500	500
I21R7420	38 2 30	88 29 30	20	1	.5	.2	N	N	N	500	300
I21R7430	38 2 30	88 29 30	20	.7	.5	.3	N	N	N	200	500
I21R7440	38 2 30	88 29 30	20	1	.7	.3	N	N	N	200	500
I21R7450	38 2 30	88 29 30	7	1	.7	.5	N	N	N	200	700
I21R7460	38 2 30	88 29 30	20	1	.7	.3	N	N	N	200	500
I21R7470	38 2 30	88 29 30	2	1.5	.7	.7	N	N	N	300	1,000
I21R7480	38 2 30	88 29 30	.7	1.5	1	.5	N	N	N	200	2,000
I21R7490	38 2 30	88 29 30	1	1.5	.7	.5	N	N	N	200	1,000
I21R7500	38 2 30	88 29 30	2	1.5	.7	.5	N	N	N	200	1,000
I21R7520	38 2 30	88 29 30	1.5	1	1	.5	N	N	N	200	700
I21R7540	38 2 30	88 29 30	.15	1	.5	.3	N	N	N	200	300
I21R7560	38 2 30	88 29 30	.1	.7	.5	.5	N	N	N	200	300
I21R7580	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	200	500
I21R7600	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	150	300
I21R7610	38 2 30	88 29 30	.15	1	.5	.5	N	N	N	150	300
I21R7650	38 2 30	88 29 30	.15	1	.7	.5	N	N	N	200	500
I21R7670	38 2 30	88 29 30	.07	.5	.3	.2	N	N	N	100	200
I21R7690	38 2 30	88 29 30	.05	.5	.2	.2	N	N	N	100	150
I21R7710	38 2 30	88 29 30	.05	.2	.15	.1	N	N	N	70	100
I21R7730	38 2 30	88 29 30	.05	.2	.1	.1	N	N	N	70	100
I21R7750	38 2 30	88 29 30	.05	.3	.07	.07	N	N	N	50	100
I21R7780	38 2 30	88 29 30	.07	.5	.3	.2	N	N	N	100	200
I21R7800	38 2 30	88 29 30	.07	.5	.2	.2	N	N	N	100	200
I21R7820	38 2 30	88 29 30	.07	.7	.5	.5	N	N	N	150	300
I21R7840	38 2 30	88 29 30	.07	.5	.3	.2	N	N	N	100	200
I21R7860	38 2 30	88 29 30	.05	.3	.15	.15	N	N	N	100	100
I21R7880	38 2 30	88 29 30	.2	.5	.3	.2	N	N	N	100	200
I21R7900	38 2 30	88 29 30	.2	.2	.1	.07	N	N	N	70	100
I21R7920	38 2 30	88 29 30	.15	.2	.1	.1	N	N	N	70	150
I21R7940	38 2 30	88 29 30	.5	.2	.3	.15	N	N	N	100	5,000
I21R7960	38 2 30	88 29 30	.15	.5	.5	.2	N	N	N	100	5,000
I21R7980	38 2 30	88 29 30	.1	.7	.5	.3	N	N	N	100	500
I21R8000	38 2 30	88 29 30	.15	.5	.5	.2	N	N	N	70	200
I21R8020	38 2 30	88 29 30	.1	.5	.3	.15	N	N	N	70	500
I21R8040	38 2 30	88 29 30	.1	.5	.3	.2	N	N	N	100	1,000
I21R8060	38 2 30	88 29 30	.1	.7	.3	.2	N	N	N	100	1,000
I21R8080	38 2 30	88 29 30	1	.7	.3	.2	N	N	N	150	700
I21R8100	38 2 30	88 29 30	10	.5	.3	.15	N	N	N	150	500
I21R8120	38 2 30	88 29 30	15	.5	.3	.1	N	N	N	100	150
I21R8140	38 2 30	88 29 30	10	.5	.3	.1	N	N	N	150	100
I21R8160	38 2 30	88 29 30	15	.3	.3	.07	N	N	N	200	150
I21R8180	38 2 30	88 29 30	10	.5	.5	.1	N	N	N	200	150
I21R8200	38 2 30	88 29 30	10	.5	.5	.1	N	N	N	150	500
I21R8220	38 2 30	88 29 30	10	.5	.5	.1	N	N	N	200	200
I21R8240	38 2 30	88 29 30	15	.5	.5	.1	N	N	N	200	300
I21R8260	38 2 30	88 29 30	15	.7	.5	.1	N	N	N	200	300
I21R8280	38 2 30	88 29 30	10	.7	.7	.2	N	N	N	200	500

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R7290	1.5	N	N	10	100	70	<20	200	20	N	50	30
I21R7300	1.5	N	N	10	100	100	<20	200	10	N	70	30
I21R7310	1.5	N	N	20	150	100	30	200	15	N	50	20
I21R7320	2	N	N	20	150	70	<20	200	15	N	70	20
I21R7330	2	N	N	20	150	100	<20	200	15	N	70	50
I21R7340	2	N	N	20	150	100	30	200	15	N	70	30
I21R7350	1	N	N	10	70	30	<20	70	15	N	50	20
I21R7360	1	N	N	5	30	15	N	50	<5	N	10	<10
I21R7370	1	N	N	7	50	20	N	100	7	N	20	20
I21R7380	1	N	N	5	50	20	N	100	7	N	20	20
I21R7390	<1	N	N	5	30	15	N	20	7	N	10	10
I21R7400	1	N	N	7	50	20	N	30	10	N	15	10
I21R7410	2	N	N	10	70	30	N	100	<5	N	20	10
I21R7420	1	N	N	5	30	20	N	50	5	N	15	10
I21R7430	1	N	N	5	30	20	N	50	7	N	15	10
I21R7440	1	N	N	5	50	30	N	100	7	N	20	30
I21R7450	1.5	N	N	10	70	30	30	150	5	N	20	30
I21R7460	1	N	N	7	50	20	N	100	5	N	15	20
I21R7470	1.5	N	N	10	100	100	<20	150	7	N	50	50
I21R7480	1.5	N	N	10	100	100	50	150	10	N	30	30
I21R7490	1.5	N	N	7	100	30	<20	100	7	N	20	30
I21R7500	1.5	N	N	7	100	20	<20	100	7	<20	30	100
I21R7520	1	N	N	10	50	50	30	100	15	N	50	150
I21R7540	1	N	N	7	50	30	<20	70	10	N	30	20
I21R7560	1	N	N	7	50	20	<20	50	7	N	20	10
I21R7580	1	N	N	10	50	20	<20	70	7	N	20	50
I21R7600	1	N	N	5	30	15	N	50	7	N	20	50
I21R7610	1	N	N	7	50	20	30	100	7	N	30	20
I21R7650	1.5	N	N	10	50	70	30	100	15	N	50	50
I21R7670	1	N	N	5	20	15	N	30	15	N	15	<10
I21R7690	1	N	N	5	20	15	N	30	10	N	10	<10
I21R7710	<1	N	N	<5	15	7	N	20	7	N	7	<10
I21R7730	<1	N	N	<5	20	5	N	20	5	N	7	<10
I21R7750	<1	N	N	<5	15	5	N	20	5	N	7	<10
I21R7780	1	N	N	5	20	20	N	50	15	N	15	<10
I21R7800	1	N	N	5	15	15	N	50	15	N	10	<10
I21R7820	1.5	N	N	7	50	50	30	70	15	N	30	<10
I21R7840	1	N	N	5	20	15	N	30	15	N	15	<10
I21R7860	1	N	N	<5	20	20	N	30	10	N	10	<10
I21R7880	1	N	N	<5	30	20	<20	50	15	N	15	<10
I21R7900	<1	N	N	<5	15	5	N	20	7	N	7	<10
I21R7920	<1	N	N	<5	15	5	N	15	7	N	7	<10
I21R7940	<1	N	N	<5	20	30	N	20	7	N	10	<10
I21R7960	1	N	N	5	30	15	N	20	10	N	20	10
I21R7980	1	N	N	7	50	20	N	50	15	N	20	10
I21R8000	1	N	N	5	20	15	N	30	15	N	15	<10
I21R8020	1	N	N	<5	20	10	N	20	15	N	10	<10
I21R8040	1	N	N	5	30	20	N	30	15	N	15	10
I21R8060	1	N	N	5	20	20	N	30	15	N	15	10
I21R8080	1	N	N	5	30	20	N	30	15	N	15	10
I21R8100	1	N	N	<5	20	10	N	20	15	N	10	10
I21R8120	<1	N	N	<5	<10	10	N	15	15	N	10	<10
I21R8140	<1	N	N	<5	<10	10	N	10	20	N	7	<10
I21R8160	<1	N	N	<5	20	5	N	10	15	N	7	<10
I21R8180	1	N	N	N	20	7	N	20	15	N	10	<10
I21R8200	<1	N	N	<5	20	10	N	10	10	N	10	<10
I21R8220	<1	N	N	<5	20	10	N	15	10	N	10	<10
I21R8240	<1	N	N	<5	20	10	N	10	10	N	7	<10
I21R8260	<1	N	N	<5	20	30	N	15	15	N	10	<10
I21R8280	<1	N	N	<5	20	10	N	20	10	N	10	<10

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R7290	N	10	N	<100	N	100	N	15	<200	150	.12	30
I21R7300	N	10	N	<100	N	100	N	10	<200	150	.16	30
I21R7310	N	10	N	100	N	150	N	10	200	100	.2	30
I21R7320	N	10	N	<100	N	150	N	10	200	100	.17	30
I21R7330	N	10	N	<100	N	150	N	15	<200	100	.19	30
I21R7340	N	10	N	150	N	150	N	10	<200	100	.18	30
I21R7350	N	7	N	>5,000	N	70	N	<10	<200	100	.29	30
I21R7360	N	5	N	>5,000	N	30	N	N	<200	50	.07	30
I21R7370	N	7	N	>5,000	N	50	N	10	<200	70	.08	30
I21R7380	N	7	N	>5,000	N	70	N	10	<200	50	.12	30
I21R7390	N	5	N	>5,000	N	50	N	<10	<200	50	.05	30
I21R7400	N	5	N	>5,000	N	50	N	10	<200	70	.07	30
I21R7410	N	7	N	>5,000	N	70	N	15	<200	100	.08	30
I21R7420	N	5	N	>5,000	N	50	N	10	<200	50	.08	30
I21R7430	N	5	N	>5,000	N	50	N	10	<200	70	.1	30
I21R7440	N	7	N	>5,000	N	70	N	10	<200	100	.12	30
I21R7450	N	10	N	>5,000	N	70	N	15	<200	150	.18	30
I21R7460	N	5	N	>5,000	N	50	N	10	<200	100	.16	31
I21R7470	N	10	N	>5,000	N	70	N	10	<200	200	.28	31
I21R7480	N	10	N	>5,000	N	70	N	15	300	200	.16	31
I21R7490	N	10	N	>5,000	N	70	N	15	<200	200	.16	31
I21R7500	N	10	100	>5,000	N	70	N	15	<200	300	.16	31
I21R7520	N	7	N	>5,000	N	150	<50	15	N	20	.26	31
I21R7540	N	7	N	3,000	N	70	<50	10	N	200	.12	31
I21R7560	N	7	N	1,000	N	70	<50	10	N	300	.12	31
I21R7580	N	7	N	300	N	70	<50	<10	N	200	.12	31
I21R7600	N	5	N	500	N	70	<50	<10	N	200	.09	31
I21R7610	N	7	N	150	N	70	<50	10	N	200	.12	31
I21R7650	N	10	N	1,000	N	100	<50	15	<200	200	.14	32
I21R7670	N	5	N	150	N	50	<50	10	N	100	.05	32
I21R7690	N	5	N	300	N	50	<50	<10	N	100	<.05	32
I21R7710	N	<5	N	200	N	20	<50	N	N	100	<.05	32
I21R7730	N	<5	N	200	N	20	<50	N	N	100	<.05	32
I21R7750	N	<5	N	150	N	20	<50	<10	N	100	<.05	32
I21R7780	N	5	N	<100	N	50	<50	10	N	100	<.05	32
I21R7800	N	5	N	200	N	50	<50	10	N	100	<.05	41
I21R7820	N	10	N	500	N	100	50	15	<200	100	<.05	41
I21R7840	N	7	N	500	N	50	<50	10	N	100	<.05	41
I21R7860	N	5	N	300	N	30	<50	<10	N	100	<.05	41
I21R7880	N	7	N	300	N	50	<50	<10	N	200	<.05	41
I21R7900	N	<5	N	200	N	20	<50	<10	N	100	<.05	41
I21R7920	N	<5	N	1,500	N	20	<50	<10	N	100	<.05	41
I21R7940	N	<5	N	500	N	50	<50	<10	N	150	<.05	41
I21R7960	N	5	N	700	N	50	<50	N	N	300	.05	41
I21R7980	N	5	N	500	N	50	<50	N	N	150	.07	41
I21R8000	N	5	N	500	N	50	<50	N	N	100	<.05	41
I21R8020	N	<5	N	>5,000	N	50	<50	N	N	100	<.05	41
I21R8040	N	5	N	>5,000	N	50	<50	N	N	100	.06	41
I21R8060	N	5	N	>5,000	N	50	<50	10	<200	100	.05	41
I21R8080	N	7	N	>5,000	N	70	<50	10	N	100	.05	41
I21R8100	N	5	N	>5,000	N	30	<50	N	N	70	.05	41
I21R8120	N	<5	N	>5,000	N	20	<50	N	N	50	<.05	41
I21R8140	N	<5	N	>5,000	N	30	<50	N	N	50	<.05	41
I21R8160	N	<5	N	5,000	N	20	<50	N	N	50	<.05	41
I21R8180	N	5	N	5,000	N	30	<50	N	N	50	<.05	41
I21R8200	N	<5	N	>5,000	N	30	<50	N	N	70	.05	41
I21R8220	N	5	N	>5,000	N	20	<50	N	N	50	.07	41
I21R8240	N	<5	N	>5,000	N	30	<50	N	N	50	.05	41
I21R8260	N	<5	N	>5,000	N	30	<50	N	N	50	.08	41
I21R8280	N	5	N	>5,000	N	30	<50	15	N	50	.1	41

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R8300	38 2 30	88 29 30	5	.7	1	.2	N	N	N	300	1,000
I21R8320	38 2 30	88 29 30	1.5	1	1	.2	N	N	N	300	500
I21R8340	38 2 30	88 29 30	.5	1	1	.2	N	N	N	500	100
I21R8370	38 2 30	88 29 30	.2	1.5	1	.2	N	N	N	300	150
I21R8390	38 2 30	88 29 30	.2	1.5	.7	.3	N	N	N	150	200
I21R8430	38 2 30	88 29 30	.2	.7	.7	.2	N	N	N	150	300
I21R8450	38 2 30	88 29 30	.2	.7	.7	.3	N	N	N	150	300
I21R8470	38 2 30	88 29 30	.15	1	.5	.2	N	N	N	100	300
I21R8490	38 2 30	88 29 30	.7	1	.7	.3	N	N	N	200	300
I21R8510	38 2 30	88 29 30	.5	1	1	.2	N	N	N	100	700
I21R8540	38 2 30	88 29 30	.2	1.5	.7	.3	N	N	N	150	700
I21R8560	38 2 30	88 29 30	1	1.5	.5	.3	N	N	N	150	1,000
I21R8580	38 2 30	88 29 30	7	1	.5	.2	N	N	N	100	500
I21R8600	38 2 30	88 29 30	7	1	.5	.2	N	N	N	150	200
I21R8620	38 2 30	88 29 30	10	1	.5	.1	N	N	N	100	150
I21R8640	38 2 30	88 29 30	10	1	.7	.1	N	N	N	150	150
I21R8660	38 2 30	88 29 30	10	1	.5	.1	N	N	N	100	200
I21R8680	38 2 30	88 29 30	10	1	.5	.2	N	N	N	150	300
I21R8700	38 2 30	88 29 30	10	1	.5	.15	N	N	N	150	200
I21R8730	38 2 30	88 29 30	10	1.5	.5	.15	N	N	N	150	1,500
I21R8750	38 2 30	88 29 30	7	.7	.5	.2	N	N	N	150	1,000
I21R8770	38 2 30	88 29 30	10	1	.5	.2	N	N	N	100	300
I21R8790	38 2 30	88 29 30	10	1	.5	.15	N	N	N	100	300
I21R8810	38 2 30	88 29 30	10	1	.5	.2	N	N	N	100	500
I21R8820	38 2 30	88 29 30	10	1	.5	.15	N	N	N	100	200
I21R8860	38 2 30	88 29 30	7	.7	.7	.2	N	N	N	200	300
I21R8880	38 2 30	88 29 30	5	1	.7	.2	N	N	N	150	300
I21R8900	38 2 30	88 29 30	5	1	.7	.3	N	N	N	200	500
I21R8920	38 2 30	88 29 30	10	.3	.3	.15	N	N	N	200	150
I21R8940	38 2 30	88 29 30	15	.5	.5	.1	N	N	N	200	300
I21R8960	38 2 30	88 29 30	15	.3	.7	.05	N	N	N	200	500
I21R8980	38 2 30	88 29 30	7	.5	.5	.3	N	N	N	200	1,000
I21R9000	38 2 30	88 29 30	10	.7	1	.15	N	N	N	200	500
I21R9020	38 2 30	88 29 30	20	.2	.5	.1	N	N	N	200	300
I21R9040	38 2 30	88 29 30	>20	.2	.2	.07	N	N	N	200	300
I21R9060	38 2 30	88 29 30	20	.3	.3	.1	N	N	N	200	300
I21R9080	38 2 30	88 29 30	7	.5	.2	.2	N	N	N	150	300
I21R9100	38 2 30	88 29 30	3	.3	.1	.1	N	N	N	100	300
I21R9120	38 2 30	88 29 30	5	.3	.1	.1	N	N	N	100	300
I21R9140	38 2 30	88 29 30	>20	.5	.3	.1	N	N	N	150	150
I21R9160	38 2 30	88 29 30	20	1	.3	.15	N	N	N	200	150
I21R9180	38 2 30	88 29 30	7	.7	.2	.15	N	N	N	200	300
I21R9200	38 2 30	88 29 30	7	1	.3	.15	N	N	N	200	500
I21R9220	38 2 30	88 29 30	20	.5	.3	.15	N	N	N	200	200
I21R9240	38 2 30	88 29 30	5	.7	.2	.15	N	N	N	150	200
I21R9260	38 2 30	88 29 30	2	1.5	.15	.2	N	N	N	150	300
I21R9280	38 2 30	88 29 30	3	.7	.07	.15	N	N	N	100	300
I21R9300	38 2 30	88 29 30	2	1	.2	.2	N	N	N	100	300
I21R9320	38 2 30	88 29 30	2	.7	.15	.2	N	N	N	150	300
I21R9340	38 2 30	88 29 30	1.5	1	.15	.2	N	N	N	150	300
I21R9360	38 2 30	88 29 30	.7	1	.2	.2	N	N	N	200	300
I21R9380	38 2 30	88 29 30	1	1	.2	.3	N	N	N	200	300
I21R9400	38 2 30	88 29 30	.5	1	.2	.3	N	N	N	150	300
I21R9420	38 2 30	88 29 30	1	1	.3	.3	N	N	N	200	500
I21R9440	38 2 30	88 29 30	.5	1	.2	.2	N	N	N	150	200
I21R9460	38 2 30	88 29 30	3	1	.2	.2	N	N	N	200	300
I21R9480	38 2 30	88 29 30	3	1.5	.5	.3	N	N	N	200	500
I21R9500	38 2 30	88 29 30	3	1	.5	.3	N	N	N	300	700
I21R9520	38 2 30	88 29 30	.2	1	.5	.3	N	N	N	200	500
I21R9540	38 2 30	88 29 30	.2	.5	.1	.2	N	N	N	100	500

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R8300	1	N	N	<5	20	15	N	10	7	N	10	<10
I21R8320	1.5	N	N	<5	20	20	N	15	7	N	20	15
I21R8340	1.5	N	N	5	20	100	30	15	7	<20	20	30
I21R8370	1	N	N	<5	30	30	N	20	7	N	15	20
I21R8390	1	N	N	7	50	100	N	15	7	N	20	<10
I21R8430	1	N	N	5	50	10	N	20	7	N	15	<10
I21R8450	1	N	N	10	50	50	N	20	7	N	15	<10
I21R8470	1	N	N	7	30	50	N	20	10	N	15	<10
I21R8490	1.5	N	N	10	50	50	<20	70	20	N	20	15
I21R8510	1	N	N	5	50	30	N	50	15	N	15	15
I21R8540	1	N	N	7	50	30	<20	70	20	N	20	10
I21R8560	1	N	N	5	30	20	N	50	10	N	15	10
I21R8580	<1	N	N	5	20	20	N	50	10	N	20	15
I21R8600	<1	N	N	<5	20	15	N	20	10	N	15	15
I21R8620	<1	N	N	<5	15	10	N	15	10	N	10	<10
I21R8640	<1	N	N	<5	15	15	N	15	10	N	10	<10
I21R8660	<1	N	N	<5	15	20	N	20	10	N	10	10
I21R8680	<1	N	N	5	20	20	N	20	7	N	20	15
I21R8700	<1	N	N	<5	20	15	N	20	10	N	10	20
I21R8730	<1	N	N	5	20	15	N	30	10	N	15	10
I21R8750	1	N	N	5	50	15	N	30	7	N	10	15
I21R8770	1	N	N	7	30	100	N	20	10	N	15	15
I21R8790	1	N	N	5	15	100	N	20	10	N	15	20
I21R8810	1	N	N	5	20	200	N	20	15	N	15	<10
I21R8820	1	N	N	<5	20	70	N	15	10	N	10	10
I21R8860	<1	N	N	<5	20	15	N	20	10	N	10	20
I21R8880	1	N	N	<5	20	15	N	50	10	N	15	15
I21R8900	<1	N	N	<5	20	100	N	50	10	N	15	50
I21R8920	<1	N	N	<5	10	10	N	15	15	N	10	<10
I21R8940	<1	N	N	<5	15	10	N	15	20	N	10	<10
I21R8960	<1	N	N	<5	10	7	N	15	15	N	10	<10
I21R8980	1	N	N	<5	20	15	N	30	15	N	20	<10
I21R9000	<1	N	N	<5	20	20	N	30	15	N	20	<10
I21R9020	N	N	N	<5	<10	7	N	10	15	N	7	<10
I21R9040	N	N	N	<5	<10	10	N	<10	20	N	7	<10
I21R9060	<1	N	N	<5	<10	10	N	10	20	N	7	<10
I21R9080	<1	N	N	<5	15	30	N	15	10	N	10	100
I21R9100	<1	N	N	<5	15	10	N	15	7	N	7	<10
I21R9120	<1	N	N	<5	10	7	N	10	10	N	10	<10
I21R9140	<1	N	N	<5	<10	5	N	15	15	N	10	<10
I21R9160	<1	N	N	<5	15	10	N	15	15	N	10	<10
I21R9180	<1	N	N	<5	20	20	N	20	15	N	15	10
I21R9200	1	N	N	<5	20	15	N	20	10	N	10	10
I21R9220	<1	N	N	<5	15	50	N	15	15	N	10	<10
I21R9240	1	N	N	<5	20	15	N	20	10	N	15	<10
I21R9260	1	N	N	5	20	150	N	50	15	N	15	10
I21R9280	<1	N	N	<5	15	20	N	20	10	N	10	<10
I21R9300	<1	N	N	5	30	500	N	30	10	N	20	10
I21R9320	1	N	N	5	20	30	N	20	10	N	15	10
I21R9340	1	N	N	5	30	30	N	30	15	N	20	10
I21R9360	1	N	N	7	50	30	N	50	15	N	20	15
I21R9380	1	N	N	7	50	30	N	30	20	N	20	15
I21R9400	1	N	N	7	50	20	N	50	15	N	20	15
I21R9420	1	N	N	7	50	100	N	50	20	N	20	15
I21R9440	1	N	N	5	50	20	N	30	10	N	15	15
I21R9460	1	N	N	<5	20	20	N	50	10	N	15	10
I21R9480	1	N	N	7	30	20	N	50	15	N	30	300
I21R9500	1.5	N	N	7	50	30	<20	50	20	N	30	300
I21R9520	1	N	N	5	50	20	N	50	20	N	20	20
I21R9540	1	N	N	<5	20	10	N	15	15	N	15	<10

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R8300	N	10	N	>5,000	N	20	<50	20	N	150	.17	41
I21R8320	N	10	N	>5,000	N	30	<50	30	N	100	.23	41
I21R8340	N	15	N	1,000	N	30	<50	30	N	200	.29	41
I21R8370	N	10	N	1,000	N	30	<50	20	N	200	.24	41
I21R8390	N	7	N	1,500	N	50	N	10	N	100	.13	41
I21R8430	N	5	N	1,000	N	50	N	10	N	100	.13	41
I21R8450	N	5	N	300	N	50	N	<10	N	100	.09	41
I21R8470	N	<5	N	500	N	50	N	N	N	150	.06	41
I21R8490	N	7	N	500	N	100	N	15	N	100	.07	41
I21R8510	N	5	N	>5,000	N	50	N	10	N	100	.08	41
I21R8540	N	7	N	5,000	N	50	N	15	N	100	.12	41
I21R8560	N	5	N	>5,000	N	50	N	10	N	100	.09	41
I21R8580	N	5	N	>5,000	N	30	N	N	N	50	.39	41
I21R8600	N	<5	N	5,000	N	30	N	N	N	50	.15	41
I21R8620	N	<5	N	>5,000	N	15	N	N	N	30	.1	41
I21R8640	N	<5	N	5,000	N	20	N	N	N	30	.08	41
I21R8660	N	5	N	5,000	N	20	N	N	N	30	.09	41
I21R8680	N	<5	N	1,000	N	30	N	N	N	100	.08	41
I21R8700	N	5	N	>5,000	N	30	N	N	N	50	.08	41
I21R8730	N	5	N	>5,000	N	20	N	N	N	100	.07	41
I21R8750	N	5	N	>5,000	N	30	N	N	N	100	.1	41
I21R8770	N	5	N	5,000	N	30	N	N	N	100	.05	41
I21R8790	N	<5	N	2,000	N	20	N	N	N	70	.05	41
I21R8810	N	<5	N	>5,000	N	30	N	N	N	50	.05	41
I21R8820	N	<5	N	>5,000	N	15	N	N	N	50	.07	41
I21R8860	N	5	N	>5,000	N	30	N	<10	N	50	.2	41
I21R8880	N	7	N	5,000	N	50	N	10	<200	50	.15	41
I21R8900	N	5	N	>5,000	N	50	N	10	<200	100	.16	41
I21R8920	N	5	N	5,000	N	20	N	<10	<200	50	.08	41
I21R8940	N	<5	N	5,000	N	20	N	N	<200	50	.11	41
I21R8960	N	<5	N	5,000	N	10	N	N	<200	30	.15	41
I21R8980	N	7	N	>5,000	N	50	N	10	<200	100	.08	41
I21R9000	N	5	N	>5,000	N	50	N	<10	<200	50	.11	41
I21R9020	N	<5	N	>5,000	N	15	N	N	<200	30	.06	41
I21R9040	N	<5	N	>5,000	N	15	N	N	<200	20	<.05	41
I21R9060	N	<5	N	>5,000	N	20	N	N	<200	50	.06	41
I21R9080	N	<5	N	5,000	N	20	N	<10	N	100	.05	41
I21R9100	N	<5	N	>5,000	N	20	N	<10	<200	150	.05	41
I21R9120	N	<5	N	>5,000	N	15	N	<10	<200	100	<.05	41
I21R9140	N	<5	N	5,000	N	20	N	N	<200	100	<.05	41
I21R9160	N	<5	N	>5,000	N	20	N	N	<200	50	<.05	41
I21R9180	N	<5	N	>5,000	N	20	N	<10	N	70	<.05	41
I21R9200	N	5	N	>5,000	N	30	N	<10	<200	70	.06	41
I21R9220	N	5	N	>5,000	N	30	N	<10	<200	50	<.05	41
I21R9240	N	5	N	5,000	N	30	N	10	<200	100	<.05	41
I21R9260	N	5	N	>5,000	N	50	<50	<10	N	100	.05	41
I21R9280	N	<5	N	5,000	N	50	<50	<10	N	150	.06	41
I21R9300	N	<5	N	5,000	N	50	<50	<10	N	100	.11	41
I21R9320	N	<5	N	>5,000	N	50	<50	<10	N	100	.08	41
I21R9340	N	5	N	5,000	N	50	<50	<10	N	100	.08	41
I21R9360	N	<5	N	2,000	N	50	<50	<10	N	100	.09	41
I21R9380	N	5	N	2,000	N	50	<50	<10	N	150	.06	41
I21R9400	N	5	N	5,000	N	50	<50	<10	N	100	.08	41
I21R9420	N	7	N	5,000	N	70	<50	<10	N	100	.08	41
I21R9440	N	<5	N	500	N	50	<50	<10	N	100	.08	41
I21R9460	N	<5	N	>5,000	N	50	<50	<10	N	100	.07	41
I21R9480	N	5	N	>5,000	N	50	<50	<10	N	100	.11	41
I21R9500	N	10	N	>5,000	N	100	<50	15	N	100	.08	41
I21R9520	N	5	N	1,000	N	100	<50	10	N	100	.05	41
I21R9540	N	<5	N	2,000	N	50	<50	10	N	300	<.05	41

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I21R9560	38 2 30	88 29 30	.2	.5	.1	.1	N	N	N	100	300
I21R9580	38 2 30	88 29 30	.2	1	.15	.5	N	N	N	200	500
I21R9600	38 2 30	88 29 30	.1	.7	.2	.2	N	N	N	100	500
I21R9620	38 2 30	88 29 30	.1	.7	.2	.2	N	N	N	100	200
I21R9640	38 2 30	88 29 30	.1	1	.2	.2	N	N	N	150	300
I21R9660	38 2 30	88 29 30	.1	.5	.2	.2	N	N	N	150	300
I21R9710	38 2 30	88 29 30	.1	.5	.2	.3	N	N	N	150	700
I21R9730	38 2 30	88 29 30	.15	1	.3	.5	N	N	N	200	3,000
I21R9750	38 2 30	88 29 30	.1	.7	.2	.2	N	N	N	150	5,000
I21R9770	38 2 30	88 29 30	.07	.7	.2	.2	N	N	N	150	500
I21R9790	38 2 30	88 29 30	<.05	1	.15	.2	N	N	N	150	700
I21R9810	38 2 30	88 29 30	.05	1.5	.2	.3	N	N	N	100	300
I21R9830	38 2 30	88 29 30	.15	1	.2	.3	N	N	N	150	200
I21R9850	38 2 30	88 29 30	.15	.7	.15	.2	N	N	N	100	150
I21R9870	38 2 30	88 29 30	.3	1	.2	.2	N	N	N	150	200
I21R9890	38 2 30	88 29 30	.15	1	.2	.3	N	N	N	150	300
I21R9910	38 2 30	88 29 30	.1	.7	.2	.2	N	N	N	150	300
I21R9930	38 2 30	88 29 30	.1	.7	.3	.2	N	N	N	100	300
I21R9950	38 2 30	88 29 30	.07	.5	.2	.1	N	N	N	100	200
I21R9970	38 2 30	88 29 30	.1	.5	.2	.15	N	N	N	100	200
I21R9990	38 2 30	88 29 30	.2	.7	.2	.2	N	N	N	100	200
I2110010	38 2 30	88 29 30	.2	.7	.2	.2	N	N	N	150	300
I2110030	38 2 30	88 29 30	.15	.7	.3	.3	N	N	N	150	200
I2110050	38 2 30	88 29 30	.1	.7	.2	.2	N	N	N	15	150
I2110070	38 2 30	88 29 30	.15	.5	.2	.15	N	N	N	100	200
I2110080	38 2 30	88 29 30	.07	.5	.2	.15	N	N	N	100	150
I2110110	38 2 30	88 29 30	.1	1	.3	.3	N	N	N	200	200
I2110130	38 2 30	88 29 30	.15	.7	.1	.1	N	N	N	100	150
I2110150	38 2 30	88 29 30	.15	.2	.05	.07	N	N	N	70	100
I2110170	38 2 30	88 29 30	.15	.3	.05	.07	N	N	N	100	150
I2110190	38 2 30	88 29 30	.1	.5	.1	.1	N	N	N	70	150
I2110210	38 2 30	88 29 30	.07	.3	.1	.07	N	N	N	70	100
I2110230	38 2 30	88 29 30	.1	.5	.1	.1	N	N	N	70	100
I2110250	38 2 30	88 29 30	.5	.3	.07	.1	N	N	N	70	150
I2110270	38 2 30	88 29 30	.5	.5	.07	.07	N	N	N	50	200
I2110290	38 2 30	88 29 30	.1	.5	.07	.1	N	N	N	50	1,000
I2110310	38 2 30	88 29 30	.1	.5	.2	.15	N	N	N	100	300
I2110330	38 2 30	88 29 30	.07	.5	.15	.15	N	N	N	100	150
I2110350	38 2 30	88 29 30	.2	.5	.2	.2	N	N	N	100	150
I2110370	38 2 30	88 29 30	.05	.3	.1	.1	N	N	N	100	100
I2110390	38 2 30	88 29 30	.1	.2	.07	.07	N	N	N	70	150
I2110410	38 2 30	88 29 30	.1	.2	.05	.05	N	N	N	50	300
I2110430	38 2 30	88 29 30	.15	.2	.05	.05	N	N	N	50	150
I2110450	38 2 30	88 29 30	.15	.2	.05	.07	N	N	N	50	70
I2110470	38 2 30	88 29 30	.15	.3	.05	.07	N	N	N	100	70
I2110490	38 2 30	88 29 30	.1	.2	.05	.07	N	N	N	100	150
I2110510	38 2 30	88 29 30	.1	1	.3	.2	N	N	N	200	200
I2110530	38 2 30	88 29 30	.5	1.5	.3	.2	N	N	N	200	300
I2110550	38 2 30	88 29 30	.15	1	.5	.3	N	N	N	200	300
I2110570	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	150	200
I2110590	38 2 30	88 29 30	.1	1	.3	.2	N	N	N	150	200
I2110610	38 2 30	88 29 30	.1	1	.2	.2	N	N	N	150	200
I2110630	38 2 30	88 29 30	.1	1	.3	.2	N	N	N	150	200
I2110650	38 2 30	88 29 30	.15	1.5	.5	.3	N	N	N	200	200
I2110670	38 2 30	88 29 30	.1	1.5	.5	.2	N	N	N	200	200
I2110690	38 2 30	88 29 30	.1	1	.5	.2	N	N	N	200	200
I2110710	38 2 30	88 29 30	.05	1	.5	.3	N	<200	N	200	1,000
I2110730	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	200	200
I2110750	38 2 30	88 29 30	.1	1	.5	.3	N	N	N	200	200
I2110770	38 2 30	88 29 30	.15	1	.3	.2	N	N	N	200	200

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I21R9560	<1	N	N	<5	10	5	N	10	5	N	7	<10
I21R9580	<1	N	N	5	20	20	N	20	20	N	20	15
I21R9600	<1	N	N	<5	15	15	N	20	15	N	15	15
I21R9620	<1	N	N	<5	20	70	N	15	7	N	15	<10
I21R9640	<1	N	N	<5	15	10	N	15	7	N	15	<10
I21R9660	1	N	N	5	20	70	N	20	7	N	15	15
I21R9710	1	N	N	5	20	15	N	30	7	N	20	20
I21R9730	1.5	N	N	7	30	50	N	50	15	N	30	50
I21R9750	1	N	N	10	20	20	N	20	10	N	20	500
I21R9770	1	N	N	<5	20	30	N	20	7	N	15	100
I21R9790	1	N	N	5	20	30	N	20	7	N	15	150
I21R9810	1	N	N	7	20	700	N	30	15	N	20	30
I21R9830	1	N	N	5	50	50	N	20	15	N	20	30
I21R9850	1	N	N	<5	15	200	N	20	7	N	15	<10
I21R9870	1	N	N	5	20	20	N	20	15	N	15	20
I21R9890	1.5	N	N	7	20	50	N	50	20	N	30	30
I21R9910	1	N	N	5	20	15	N	20	15	N	20	<10
I21R9930	1	N	N	<5	20	15	N	20	10	N	15	10
I21R9950	1	N	N	<5	15	7	N	15	15	N	10	<10
I21R9970	1	N	N	<5	20	10	N	15	15	N	15	10
I21R9990	1	N	N	<5	15	10	N	15	15	N	15	100
I2110010	1	N	N	<5	15	10	N	15	10	N	10	150
I2110030	1	N	N	<5	20	15	N	20	15	N	15	20
I2110050	1	N	N	<5	15	10	N	15	10	N	10	15
I2110070	1	N	N	7	20	10	N	20	15	N	<5	15
I2110080	1	N	N	5	20	15	N	20	15	N	<5	100
I2110110	1.5	N	N	5	50	20	N	70	50	N	<5	20
I2110130	1	N	N	5	<10	7	N	20	30	N	<5	<10
I2110150	<1	N	N	5	10	5	N	15	15	N	<5	<10
I2110170	1	N	N	<5	15	7	N	15	20	N	<5	30
I2110190	1	N	N	5	15	10	N	10	30	N	<5	<10
I2110210	<1	N	N	<5	<10	7	N	10	30	N	<5	<10
I2110230	1	N	N	5	10	10	N	10	30	N	<5	15
I2110250	<1	N	N	5	10	70	N	10	70	N	<5	<10
I2110270	<1	N	N	5	<10	10	N	10	150	N	<5	20
I2110290	1	N	N	5	10	10	N	15	100	N	<5	20
I2110310	1	N	N	<5	15	15	N	15	50	N	<5	50
I2110330	1	N	N	<5	20	50	N	15	20	N	<5	10
I2110350	1	N	N	<5	20	10	N	15	15	N	<5	15
I2110370	1	N	N	5	10	100	N	10	15	N	<5	<10
I2110390	1	N	N	<5	10	10	N	10	15	N	<5	50
I2110410	1	N	N	<5	<10	150	N	<10	500	N	<5	<10
I2110430	<1	N	N	<5	<10	7	N	<10	150	N	<5	<10
I2110450	1	N	N	<5	10	10	N	15	30	N	<5	<10
I2110470	1	N	N	<5	15	20	N	15	30	N	10	30
I2110490	1	N	N	<5	15	50	N	15	20	N	10	<10
I2110510	1.5	N	N	10	30	30	N	100	20	N	30	15
I2110530	1.5	N	N	10	30	70	30	100	70	N	50	50
I2110550	2	N	N	15	50	50	50	150	50	N	70	50
I2110570	1.5	N	N	10	50	30	<20	100	30	N	50	20
I2110590	1.5	N	N	10	30	30	30	100	30	N	50	100
I2110610	1.5	N	N	7	20	20	N	50	50	N	50	100
I2110630	1.5	N	N	7	30	30	<20	70	50	N	50	50
I2110650	2	N	N	15	50	70	30	100	50	N	70	100
I2110670	2	N	N	10	70	50	<20	70	30	N	50	50
I2110690	1.5	N	N	10	50	20	N	100	20	N	30	100
I2110710	2	N	N	10	50	50	30	70	30	N	50	1,000
I2110730	2	N	N	10	50	30	30	100	20	N	50	70
I2110750	2	N	N	7	30	50	30	100	15	N	50	20
I2110770	1.5	N	N	7	20	30	<20	100	15	N	30	200

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I21R9560	N	N	N	2,000	N	20	<50	N	N	200	<.05	41
I21R9580	N	5	N	1,000	N	50	<50	<10	N	300	<.05	41
I21R9600	N	5	N	300	N	20	<50	<10	N	300	<.05	41
I21R9620	N	<5	N	150	N	20	<50	<10	N	200	<.05	41
I21R9640	N	5	N	150	N	30	<50	<10	N	200	<.05	41
I21R9660	N	5	N	300	N	50	<50	<10	<200	200	<.05	41
I21R9710	N	5	N	2,000	N	50	<50	10	N	100	<.05	41
I21R9730	N	10	N	5,000	N	100	100	10	200	100	<.05	41
I21R9750	N	5	N	5,000	N	50	150	<10	N	70	<.05	41
I21R9770	N	<5	N	300	N	50	<50	N	N	100	<.05	41
I21R9790	N	<5	N	100	N	50	100	<10	200	100	<.05	41
I21R9810	N	<5	N	200	N	70	<50	N	N	100	<.05	41
I21R9830	N	<5	N	<100	N	50	<50	N	N	100	<.05	41
I21R9850	N	<5	N	500	N	50	<50	N	N	100	<.05	41
I21R9870	N	<5	N	100	N	50	<50	N	N	70	<.05	41
I21R9890	N	5	N	100	N	100	<50	10	N	100	<.05	41
I21R9910	N	5	N	2,000	N	50	<50	10	N	150	<.05	41
I21R9930	N	<5	N	200	N	50	<50	<10	N	100	<.05	41
I21R9950	N	<5	N	100	N	30	<50	<10	N	100	<.05	41
I21R9970	N	<5	N	500	N	50	<50	<10	N	100	<.05	41
I21R9990	N	5	N	300	N	50	50	<10	N	100	<.05	41
I2110010	N	5	N	200	N	50	<50	<10	<200	100	<.05	41
I2110030	N	5	N	300	N	50	<50	<10	200	100	<.05	41
I2110050	N	<5	N	100	N	70	<50	<10	<200	70	<.05	41
I2110070	N	<5	N	100	N	50	<50	N	N	50	<.05	41
I2110080	N	5	N	100	N	50	<50	N	N	50	<.05	41
I2110110	N	7	N	150	N	70	<50	10	<200	100	<.05	41
I2110130	N	<5	N	150	N	30	<50	N	<200	50	<.05	41
I2110150	N	N	N	100	N	30	<50	N	N	100	<.05	41
I2110170	N	<5	N	200	N	30	<50	N	N	70	<.05	41
I2110190	N	<5	N	100	N	30	<50	N	N	70	<.05	41
I2110210	N	<5	N	<100	N	20	<50	N	N	70	<.05	41
I2110230	N	<5	N	100	N	30	<50	N	N	50	<.05	41
I2110250	N	N	N	500	N	20	<50	N	N	50	<.05	41
I2110270	N	N	N	500	N	15	<50	N	N	30	<.05	41
I2110290	N	<5	N	2,000	N	20	<50	N	N	50	<.05	41
I2110310	N	5	N	200	N	50	<50	10	N	70	<.05	41
I2110330	N	<5	N	100	N	50	<50	<10	N	50	<.05	41
I2110350	N	<5	N	100	N	50	<50	N	N	50	<.05	41
I2110370	N	<5	N	<100	N	50	<50	N	N	20	<.05	41
I2110390	N	<5	N	300	N	30	<50	N	N	30	<.05	41
I2110410	N	<5	N	700	N	20	<50	N	N	30	<.05	41
I2110430	N	<5	N	150	N	15	<50	N	N	20	<.05	41
I2110450	N	<5	N	<100	N	20	<50	N	N	30	<.05	41
I2110470	N	<5	N	150	N	20	<50	N	N	30	<.05	41
I2110490	N	<5	N	100	N	30	<50	N	N	30	<.05	41
I2110510	N	7	N	100	N	100	<50	15	<200	50	<.05	41
I2110530	N	10	N	150	N	100	<50	15	<200	100	<.05	41
I2110550	N	10	N	700	N	100	<50	20	<200	100	.05	41
I2110570	N	10	N	100	N	100	<50	15	<200	100	<.05	41
I2110590	N	10	N	<100	N	100	<50	10	500	100	<.05	41
I2110610	N	7	N	<100	N	50	<50	<10	<200	100	<.05	41
I2110630	N	7	N	200	N	100	<50	15	<200	100	<.05	41
I2110650	N	10	N	<100	N	100	<50	20	200	100	<.05	41
I2110670	N	10	N	<100	N	50	<50	15	300	100	<.05	41
I2110690	N	7	N	<100	N	50	<50	10	200	100	<.05	41
I2110710	N	10	N	300	N	100	70	15	200	100	<.05	41
I2110730	N	10	N	<100	N	100	<50	15	200	100	<.05	41
I2110750	N	7	N	200	N	100	<50	15	200	100	<.05	41
I2110770	N	7	N	200	N	100	70	15	200	100	<.05	41

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I2110790	38 2 30	88 29 30	.1	1.5	.5	.3	N	N	N	200	300
I2110810	38 2 30	88 29 30	.1	1	.3	.2	N	N	N	150	500
I2110830	38 2 30	88 29 30	.15	1.5	.5	.3	N	N	N	200	300
I2110850	38 2 30	88 29 30	.15	1	.5	.15	N	N	N	100	150
I2110870	38 2 30	88 29 30	.05	.7	.1	.15	N	N	N	100	200
I2110890	38 2 30	88 29 30	.1	.7	.15	.15	N	N	N	100	200
I2110910	38 2 30	88 29 30	.15	.7	.15	.15	N	N	N	100	200
I2110930	38 2 30	88 29 30	.1	.7	.1	.2	N	N	N	100	200
I2110950	38 2 30	88 29 30	.15	.5	.1	.1	N	N	N	100	200
I2110970	38 2 30	88 29 30	.1	1	.3	.3	N	N	N	200	300
I2110990	38 2 30	88 29 30	.1	.7	.5	.2	N	N	N	150	200
I2111010	38 2 30	88 29 30	.1	1	.5	.2	N	N	N	150	300
I2111030	38 2 30	88 29 30	.2	1	.3	.15	N	N	N	150	200
I2111040	38 2 30	88 29 30	.15	.7	.2	.1	N	N	N	150	200
I2111070	38 2 30	88 29 30	.15	.5	.15	.07	N	N	N	150	300
I2111090	38 2 30	88 29 30	.2	.7	.3	.15	N	N	N	200	200
I2111110	38 2 30	88 29 30	.2	.7	.3	.2	N	N	N	200	200
I2111130	38 2 30	88 29 30	.2	.7	.3	.2	N	N	N	150	200
I2111150	38 2 30	88 29 30	.2	.7	.2	.1	N	N	N	100	150
I2111170	38 2 30	88 29 30	.3	.2	.07	.07	N	N	N	150	100
I2111190	38 2 30	88 29 30	.15	.3	.1	.1	N	N	N	150	100
I2111210	38 2 30	88 29 30	.7	.3	.1	.1	10	N	N	150	150
I2111230	38 2 30	88 29 30	3	.5	.1	.1	N	N	N	100	200
I2111250	38 2 30	88 29 30	.5	.5	.15	.1	N	N	N	100	150
I2111270	38 2 30	88 29 30	1	.5	.1	.1	N	N	N	100	150
I2111290	38 2 30	88 29 30	1	.5	.1	.05	N	N	N	70	1,000
I2111310	38 2 30	88 29 30	.7	.5	.15	.07	N	N	N	70	1,000
I2111330	38 2 30	88 29 30	.5	.7	.1	.1	N	N	N	100	300
I2111350	38 2 30	88 29 30	.3	.7	.2	.1	N	N	N	70	300
I2111370	38 2 30	88 29 30	.5	.5	.15	.15	N	N	N	150	200
I2111390	38 2 30	88 29 30	.7	.7	.1	.1	<.5	N	N	100	150
I2111410	38 2 30	88 29 30	.7	.7	.07	.1	N	N	N	100	1,500
I2111430	38 2 30	88 29 30	2	.5	.1	.1	N	N	N	100	1,000
I2111450	38 2 30	88 29 30	3	1	.1	.1	.5	N	N	150	150
I2111470	38 2 30	88 29 30	5	1	.1	.1	.5	N	N	100	1,000
I2111490	38 2 30	88 29 30	3	1	.1	.1	.5	N	N	100	300
I2111510	38 2 30	88 29 30	3	1	.15	.1	.5	N	N	100	300
I2111540	38 2 30	88 29 30	2	1.5	.15	.2	.5	N	N	150	1,500
I2111560	38 2 30	88 29 30	.2	1	.2	.2	N	N	N	200	1,000
I2111580	38 2 30	88 29 30	.2	1.5	.2	.2	<.5	N	N	150	1,000
I2111600	38 2 30	88 29 30	1	1	.15	.15	.7	N	N	100	1,000
I2111620	38 2 30	88 29 30	.7	1	.07	.07	.5	N	N	70	300
I2111640	38 2 30	88 29 30	.5	1	.07	.07	.7	N	N	70	500
I2111660	38 2 30	88 29 30	.7	1	.07	.1	.5	N	N	100	300
I2111680	38 2 30	88 29 30	1	1	.1	.1	.5	N	N	70	200
I2111700	38 2 30	88 29 30	1	.5	.1	.07	N	N	N	100	500
I2111720	38 2 30	88 29 30	.3	.5	.07	.007	N	N	N	100	200
I2111740	38 2 30	88 29 30	.2	.5	.1	.1	N	N	N	100	200
I2111760	38 2 30	88 29 30	.5	.7	.1	.07	N	N	N	70	200
I2111780	38 2 30	88 29 30	.1	.5	.1	.07	N	N	N	50	150
I2111800	38 2 30	88 29 30	.15	.7	.07	.07	N	N	N	70	700
I2111840	38 2 30	88 29 30	.15	1.5	.15	.2	.7	N	N	100	500
I2111880	38 2 30	88 29 30	.5	2	.1	.1	1	N	N	70	200
I2111920	38 2 30	88 29 30	2	7	.05	.1	3	300	N	50	1,500
I2111960	38 2 30	88 29 30	.2	10	.5	.2	5	200	N	200	500
I2112000	38 2 30	88 29 30	2	7	.5	.2	3	<200	N	200	500
I2112040	38 2 30	88 29 30	.7	2	.7	.5	2	N	N	200	2,000
I2112060	38 2 30	88 29 30	2	2	.7	.5	1.5	N	N	500	1,000
I2112080	38 2 30	88 29 30	3	2	1	.7	2	N	N	700	700
I2112120	38 2 30	88 29 30	7	5	1	.3	3	N	N	500	200

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I2110790	2	N	N	10	50	50	30	100	30	N	50	100
I2110810	1.5	N	N	7	20	100	N	50	30	N	30	50
I2110830	2	N	N	10	50	70	30	100	70	N	50	50
I2110850	1	N	N	5	20	20	N	20	50	N	15	15
I2110870	1.5	N	N	5	20	20	N	20	30	N	15	20
I2110890	1	N	N	7	20	100	N	30	20	N	15	70
I2110910	1	N	N	5	20	20	N	30	50	N	15	30
I2110930	1	N	N	5	20	20	N	30	50	N	20	50
I2110950	1	N	N	<5	15	15	N	20	20	N	15	150
I2110970	1.5	N	N	10	50	50	N	50	30	N	50	300
I2110990	1.5	N	N	10	50	20	N	50	30	N	50	50
I2111010	1.5	N	N	7	50	30	N	50	50	N	50	50
I2111030	1.5	N	N	5	30	20	N	30	30	N	20	150
I2111040	1	N	N	5	20	15	N	20	30	N	15	15
I2111070	1	N	N	<5	15	10	N	20	20	N	15	20
I2111090	1	N	N	5	50	20	N	50	30	N	15	700
I2111110	1	N	N	7	50	20	N	30	30	N	30	20
I2111130	1	N	N	5	50	15	N	50	30	N	20	10
I2111150	1	N	N	<5	30	15	N	30	20	N	20	30
I2111170	1	N	N	<5	15	7	N	20	10	N	20	30
I2111190	1	N	N	<5	20	7	N	15	15	N	10	10
I2111210	1	N	N	<5	15	10	N	20	10	N	10	150
I2111230	1	N	N	<5	15	10	N	20	10	N	15	10
I2111250	1	N	N	<5	10	10	N	15	10	N	15	<10
I2111270	<1	N	N	<5	30	10	N	20	20	N	15	20
I2111290	<1	N	N	<5	20	10	N	20	15	N	15	100
I2111310	<1	N	N	<5	20	10	N	30	15	N	20	200
I2111330	1	N	N	<5	20	150	N	30	20	N	20	100
I2111350	1	N	N	<5	30	50	N	30	30	N	20	150
I2111370	<1	N	N	<5	20	50	N	20	20	N	20	100
I2111390	<1	N	N	<5	10	200	N	20	20	N	20	100
I2111410	<1	N	N	<5	15	30	N	20	15	N	20	200
I2111430	<1	N	N	<5	15	20	N	20	20	N	15	100
I2111450	1	N	N	5	20	20	N	30	70	N	30	150
I2111470	1	N	N	15	20	20	N	30	50	N	30	200
I2111490	1	N	N	7	20	30	N	30	30	N	20	200
I2111510	1	N	N	5	15	50	N	20	30	N	30	100
I2111540	1.5	N	N	10	30	30	N	30	50	N	30	2,000
I2111560	1.5	N	N	10	50	30	N	50	30	N	50	200
I2111580	1	N	N	15	20	30	N	30	30	<20	50	200
I2111600	1	N	N	7	15	30	N	20	20	<20	30	200
I2111620	N	N	N	5	10	15	N	15	20	N	30	100
I2111640	<1	N	N	5	10	20	N	15	30	N	15	150
I2111660	<1	N	N	5	15	20	N	20	30	N	50	150
I2111680	<1	N	N	5	15	20	N	20	20	N	20	500
I2111700	<1	N	N	<5	15	7	N	20	10	N	10	150
I2111720	<1	N	N	<5	15	5	N	15	10	N	7	30
I2111740	<1	N	N	<5	15	20	N	20	15	N	10	50
I2111760	<1	N	N	<5	10	15	N	20	15	N	15	150
I2111780	<1	N	N	<5	10	10	N	15	10	N	10	30
I2111800	<1	N	N	<5	15	100	N	20	10	N	10	5,000
I2111840	1	N	N	7	20	1,000	N	50	20	N	30	500
I2111880	1	N	N	7	15	150	N	50	15	N	20	200
I2111920	<1	N	N	50	20	700	N	70	20	<20	70	1,000
I2111960	1.5	N	N	30	50	700	N	150	20	N	100	2,000
I2112000	2	N	N	30	50	1,000	N	100	20	N	100	1,000
I2112040	2	N	N	20	70	150	<20	100	15	N	70	200
I2112060	3	N	N	30	70	150	<20	50	15	N	50	150
I2112080	5	N	N	30	100	150	N	100	15	N	50	300
I2112120	3	N	N	30	70	200	N	70	20	N	50	500

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I2110790	N	10	N	100	N	100	50	15	200	100	<.05	41
I2110810	N	7	N	200	N	50	<50	10	200	70	<.05	41
I2110830	N	10	N	300	N	100	<50	15	200	100	<.05	41
I2110850	N	5	N	150	N	30	<50	N	<200	70	<.05	41
I2110870	N	5	N	200	N	50	<50	<10	<200	70	<.05	41
I2110890	N	5	N	200	N	50	<50	<10	<200	70	<.05	41
I2110910	N	5	N	200	N	50	<50	10	<200	100	<.05	41
I2110930	N	5	N	200	N	50	<50	10	<200	100	<.05	41
I2110950	N	<5	N	200	N	30	<50	10	<200	50	<.05	41
I2110970	N	7	N	700	N	100	100	15	200	100	<.05	41
I2110990	N	7	N	150	N	100	<50	10	<200	70	<.05	41
I2111010	N	7	N	200	N	100	<50	15	200	70	<.05	41
I2111030	N	5	N	100	N	50	<50	10	200	100	<.05	41
I2111040	N	5	N	<100	N	30	<50	<10	<200	50	<.05	41
I2111070	N	<5	N	150	N	20	<50	N	<200	50	<.05	41
I2111090	N	5	N	<100	N	100	70	10	<200	50	<.05	41
I2111110	N	7	N	200	N	100	<50	10	<200	70	<.05	41
I2111130	N	7	N	<100	N	50	<50	10	<200	70	<.05	41
I2111150	N	<5	N	200	N	30	<50	N	<200	50	<.05	41
I2111170	N	<5	N	150	N	20	<50	N	<200	30	<.05	41
I2111190	N	<5	N	<100	N	20	<50	N	<200	30	<.05	41
I2111210	N	<5	N	200	N	20	50	N	<200	30	<.05	41
I2111230	N	<5	N	500	N	20	<50	N	<200	30	<.05	41
I2111250	N	<5	N	300	N	20	<50	N	300	30	<.05	41
I2111270	N	<5	N	200	N	30	<50	N	300	50	<.05	41
I2111290	N	N	N	300	N	20	<50	N	<200	50	<.05	41
I2111310	N	<5	N	300	N	50	<50	N	<200	50	<.05	41
I2111330	N	5	N	100	N	50	50	10	<200	100	<.05	41
I2111350	N	5	N	100	N	50	<50	10	200	70	<.05	41
I2111370	N	5	N	100	N	70	70	10	<200	70	<.05	41
I2111390	N	<5	N	150	N	50	<50	N	<200	50	<.05	41
I2111410	N	<5	N	200	N	30	<50	N	<200	30	<.05	41
I2111430	N	<5	N	300	N	30	50	N	200	50	<.05	41
I2111450	N	5	N	500	N	30	<50	N	200	50	<.05	41
I2111470	N	<5	N	700	N	30	<50	10	<200	50	<.05	41
I2111490	N	5	N	700	N	30	50	10	<200	50	.06	41
I2111510	N	<5	N	700	N	50	<50	10	<200	50	.08	41
I2111540	N	5	N	300	N	50	<50	10	<200	100	.17	41
I2111560	N	7	N	100	N	100	<50	15	<200	100	<.05	41
I2111580	N	5	N	200	N	70	70	15	<200	100	<.05	41
I2111600	N	<5	N	300	N	50	50	<10	<200	100	<.05	41
I2111620	N	N	N	200	N	15	<50	N	<200	100	<.05	41
I2111640	N	N	N	200	N	20	<50	N	<200	100	<.05	41
I2111660	N	<5	N	500	N	20	<50	N	<200	100	<.05	41
I2111680	N	<5	N	300	N	20	<50	N	<200	70	<.05	41
I2111700	N	N	N	1,000	N	20	<50	N	<200	50	<.05	41
I2111720	N	<5	N	150	N	20	<50	N	<200	30	<.05	41
I2111740	N	<5	N	150	N	30	<50	N	<200	50	<.05	41
I2111760	N	<5	N	1,000	N	20	<50	N	<200	30	.05	41
I2111780	N	N	N	150	N	20	<50	N	<200	30	<.05	41
I2111800	N	N	N	<100	N	30	<50	N	<200	50	<.05	41
I2111840	N	5	N	<100	N	50	50	10	<200	50	.06	41
I2111880	N	5	N	700	N	30	<50	10	200	50	.11	41
I2111920	N	5	N	3,000	N	30	<50	10	200	100	<.05	41
I2111960	N	15	N	200	N	100	<50	20	200	100	.08	41
I2112000	N	10	N	500	N	100	<50	15	<200	100	.17	41
I2112040	N	10	N	500	N	100	<50	15	<200	100	.07	41
I2112060	N	10	N	300	N	50	<50	10	<200	100	.09	41
I2112080	N	15	N	500	N	100	<50	15	<200	100	.17	41
I2112120	N	10	N	1,000	N	100	<50	10	<200	100	.12	41

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I2112160	38 2 30	88 29 30	20	3	1	.3	2	N	N	200	500
I2112200	38 2 30	88 29 30	5	5	.5	.3	1.5	N	N	200	300
I2112240	38 2 30	88 29 30	1	2	.5	.3	1	N	N	150	300
I2112260	38 2 30	88 29 30	.2	1	.5	.3	.5	N	N	200	200
I2112280	38 2 30	88 29 30	.3	1	1	.5	N	N	N	200	300
I2112300	38 2 30	88 29 30	1	2	1	.7	N	N	N	1,000	500
I2112320	38 2 30	88 29 30	1	2	1	.7	N	N	N	700	1,000
I2112340	38 2 30	88 29 30	.3	2	1	.5	N	N	N	700	1,000
I2112360	38 2 30	88 29 30	1	2	1.5	.5	N	N	N	1,000	700
I2112380	38 2 30	88 29 30	.2	2	1.5	.5	N	N	N	1,000	1,000
I2112400	38 2 30	88 29 30	.2	2	1.5	.5	N	N	N	700	500
I2112420	38 2 30	88 29 30	.15	2	1	.5	N	N	N	1,000	500
I2112440	38 2 30	88 29 30	.2	5	1	.7	N	N	N	1,000	500
I2112450	38 2 30	88 29 30	.3	5	1	.7	N	N	N	700	500
I2112470	38 2 30	88 29 30	.3	5	1	.7	N	N	N	1,000	700
I2112490	38 2 30	88 29 30	.2	3	1	.7	N	N	N	700	700
I2112500	38 2 30	88 29 30	.2	5	1	.5	N	N	N	700	700
I2112530	38 2 30	88 29 30	.3	3	1	.5	N	N	N	1,000	700
I2112550	38 2 30	88 29 30	.3	5	1	.5	N	N	N	700	500
I2112570	38 2 30	88 29 30	.3	3	1	.5	N	N	N	700	500
I2112590	38 2 30	88 29 30	.3	5	1	.5	N	N	N	700	700
I2112610	38 2 30	88 29 30	.2	5	1	.5	N	N	N	700	1,000
I2112630	38 2 30	88 29 30	.5	5	1	.5	N	N	N	700	5,000
I2112650	38 2 30	88 29 30	.2	3	1	.5	N	N	N	500	2,000
I2112670	38 2 30	88 29 30	.15	2	1	.3	N	N	N	500	1,000
I2112690	38 2 30	88 29 30	.15	2	.7	.5	N	N	N	300	500
I2112710	38 2 30	88 29 30	.1	2	.7	.5	N	N	N	300	700
I2112730	38 2 30	88 29 30	.15	1.5	.5	.5	N	N	N	300	1,000
I2112750	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	300	500
I2112770	38 2 30	88 29 30	.15	1.5	.7	.5	N	N	N	200	700
I2112790	38 2 30	88 29 30	.1	1.5	.3	.5	N	N	N	150	700
I2112810	38 2 30	88 29 30	.1	2	.5	.5	N	N	N	150	3,000
I2112830	38 2 30	88 29 30	.1	1.5	.5	.3	N	N	N	150	5,000
I2112850	38 2 30	88 29 30	.1	2	.7	.5	N	N	N	500	1,500
I2112870	38 2 30	88 29 30	.1	2	.7	.5	N	N	N	500	>5,000
I2112890	38 2 30	88 29 30	.1	1.5	.7	.5	N	N	N	500	1,000
I2112910	38 2 30	88 29 30	.07	2	.5	.3	N	N	N	300	2,000
I2112930	38 2 30	88 29 30	.07	5	.7	.5	N	N	N	200	>5,000
I2112950	38 2 30	88 29 30	.1	2	.5	.5	N	N	N	300	2,000
I2112970	38 2 30	88 29 30	.1	3	.7	.5	N	N	N	300	5,000
I2112990	38 2 30	88 29 30	.05	5	.7	.5	N	N	N	300	5,000
I2113010	38 2 30	88 29 30	.05	5	.7	.5	.5	N	N	300	>5,000
I2113030	38 2 30	88 29 30	.07	5	.7	.5	.7	N	N	300	5,000
I2113050	38 2 30	88 29 30	.3	5	.7	.5	.5	N	N	200	1,500

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I2112160	2	N	N	30	50	200	N	30	15	N	50	200
I2112200	2	N	N	30	50	200	N	50	15	N	70	200
I2112240	1.5	N	N	20	50	200	<20	100	20	N	100	150
I2112260	1.5	N	N	15	50	150	N	30	15	N	50	100
I2112280	1	N	N	10	100	100	<20	50	10	N	50	70
I2112300	1.5	N	N	20	150	50	50	100	7	<20	50	70
I2112320	2	<10	N	20	100	200	50	100	20	<20	70	20,000
I2112340	1.5	N	N	15	100	100	30	150	10	N	70	500
I2112360	1.5	N	N	30	150	70	50	150	15	N	70	70
I2112380	1.5	N	N	20	150	100	50	150	5	N	100	300
I2112400	1.5	N	N	20	100	100	70	100	5	N	70	50
I2112420	1.5	N	N	20	100	20	70	100	N	N	70	30
I2112440	2	N	N	20	150	30	100	100	N	<20	50	50
I2112450	1.5	<10	N	20	150	30	100	150	N	<20	50	30
I2112470	2	<10	N	20	150	70	100	100	N	N	50	50
I2112490	2	N	N	20	100	50	50	100	10	<20	50	100
I2112500	2	N	N	20	100	50	50	100	5	<20	50	100
I2112530	2	N	N	20	100	50	50	100	5	N	30	200
I2112550	2	N	N	20	100	50	70	100	5	N	50	100
I2112570	2	N	N	15	100	30	70	100	7	<20	50	100
I2112590	2	N	N	30	100	30	50	100	7	N	50	70
I2112610	2	N	N	30	100	30	50	100	5	N	50	50
I2112630	2	N	N	20	100	50	70	100	5	N	50	2,000
I2112650	2	<10	N	15	100	50	50	100	20	N	70	2,000
I2112670	2	N	N	10	100	50	50	100	15	N	30	200
I2112690	1.5	N	N	15	100	30	50	100	15	N	30	50
I2112710	1.5	N	N	10	70	50	50	70	7	N	20	30
I2112730	1.5	N	N	10	70	70	30	50	7	N	20	100
I2112750	1.5	N	N	10	100	30	50	100	15	N	30	100
I2112770	1.5	N	N	15	100	50	50	70	15	N	50	500
I2112790	1	N	N	7	30	7	<20	50	5	<20	20	20
I2112810	1	N	N	10	50	100	50	70	<5	N	5	70
I2112830	1.5	N	N	10	30	15	<20	50	5	N	20	50
I2112850	1.5	N	N	15	70	50	50	100	<5	N	30	100
I2112870	1.5	N	N	15	70	30	50	100	N	N	20	150
I2112890	1.5	N	N	10	70	20	70	70	N	N	20	100
I2112910	1	N	N	10	50	15	70	50	7	N	20	150
I2112930	1.5	N	N	20	70	50	50	70	15	N	30	500
I2112950	1	N	N	10	50	30	70	70	15	N	20	100
I2112970	1	N	N	20	50	70	50	70	10	N	20	1,000
I2112990	1.5	N	N	30	50	70	50	100	15	N	30	100
I2113010	2	N	N	30	30	150	50	300	7	N	20	300
I2113030	1.5	N	N	30	50	200	50	300	<5	N	30	200
I2113050	1	N	N	30	50	150	30	300	<5	N	30	70

TABLE 6--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I21, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I2112160	N	7	N	1,000	N	50	<50	10	<200	100	.13	41
I2112200	N	10	N	700	N	50	<50	<10	<200	100	.08	41
I2112240	N	10	N	200	N	70	<50	15	200	100	.23	41
I2112260	N	5	N	<100	N	50	<50	<10	<200	100	.09	41
I2112280	N	7	N	150	N	70	<50	<10	200	70	.08	41
I2112300	N	10	N	150	N	100	<50	10	<200	70	.11	41
I2112320	N	10	N	150	N	100	<50	15	500	100	.1	41
I2112340	N	10	N	150	N	100	<50	10	<200	100	.11	41
I2112360	N	10	N	200	N	70	<50	15	<200	100	.1	41
I2112380	N	10	N	150	N	70	<50	15	<200	100	.09	41
I2112400	N	10	N	150	N	100	<50	15	<200	100	.07	41
I2112420	N	10	N	150	N	70	<50	15	<200	100	.05	41
I2112440	N	15	N	150	N	100	<50	20	<200	100	.05	41
I2112450	N	15	N	150	N	100	<50	20	<200	100	.06	41
I2112470	N	10	N	200	N	100	<50	20	<200	100	.06	41
I2112490	N	10	N	200	N	100	<50	15	<200	100	.08	41
I2112500	N	10	N	200	N	100	<50	15	200	150	.1	41
I2112530	N	10	N	300	N	100	<50	15	200	100	.1	41
I2112550	N	10	N	150	N	100	<50	15	<200	100	.11	41
I2112570	N	10	N	200	N	100	<50	15	<200	100	.09	41
I2112590	N	10	N	300	N	70	<50	20	<200	100	.08	41
I2112610	N	10	N	300	N	50	<50	20	<200	100	.07	41
I2112630	N	10	N	300	N	70	<50	15	<200	100	.06	41
I2112650	N	10	N	200	N	150	<50	20	<200	100	.06	41
I2112670	N	10	N	200	N	50	N	15	<200	100	.06	41
I2112690	N	10	N	200	N	50	N	15	<200	100	<.05	41
I2112710	N	10	N	200	N	50	N	15	<200	150	<.05	41
I2112730	N	7	N	200	N	50	N	10	<200	150	<.05	41
I2112750	N	10	N	200	N	100	N	15	<200	100	.05	41
I2112770	N	10	N	200	N	100	N	15	<200	150	<.05	41
I2112790	N	7	N	200	N	30	50	15	<200	200	<.05	41
I2112810	N	7	N	200	N	30	70	20	<200	200	<.05	41
I2112830	N	7	N	200	N	30	70	10	<200	200	<.05	41
I2112850	N	10	N	150	N	50	70	15	<200	200	<.05	41
I2112870	N	10	N	300	N	50	70	15	200	200	<.05	41
I2112890	N	10	N	100	N	50	50	20	<200	200	<.05	41
I2112910	N	7	N	150	N	50	100	15	<200	200	<.05	41
I2112930	N	10	N	500	N	50	200	20	300	300	<.05	41
I2112950	N	7	N	300	N	50	150	15	<200	200	<.05	41
I2112970	N	7	N	300	N	50	150	15	<200	150	<.05	41
I2112990	N	10	N	200	N	50	100	20	<200	200	<.05	41
I2113010	N	7	N	200	N	30	70	20	200	300	<.05	41
I2113030	N	7	N	300	N	50	50	20	200	300	<.05	80
I2113050	N	10	N	200	N	70	50	20	<200	200	<.05	80

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I22R3060	38 11 30	87 57 0	.15	1	2	.7	N	N	N	100	300
I22R3070	38 11 30	87 57 0	1.5	1	3	.5	N	<200	N	100	500
I22R3083	38 11 30	87 57 0	2	1	2	.7	N	<200	N	100	500
I22R3100	38 11 30	87 57 0	2	.7	2	.7	N	<200	N	150	300
I22R3110	38 11 30	87 57 0	2	.5	.3	.2	N	N	N	150	500
I22R3120	38 11 30	87 57 0	2	.5	.2	.3	N	200	N	70	500
I22R3130	38 11 30	87 57 0	15	.5	.5	.5	N	N	N	150	300
I22R3140	38 11 30	87 57 0	7	.7	.5	.5	N	N	N	100	200
I22R3150	38 11 30	87 57 0	>20	.05	.5	.01	N	N	N	100	30
I22R3160	38 11 30	87 57 0	20	.5	.5	.1	N	N	N	100	150
I22R3170	38 11 30	87 57 0	>20	.2	1	.07	N	N	N	150	50
I22R3180	38 11 30	87 57 0	>20	.2	.2	.05	N	N	N	100	100
I22R3190	38 11 30	87 57 0	7	1	.5	.3	7	200	N	150	700
I22R3200	38 11 30	87 57 0	2	1.5	1	.3	N	N	N	150	500
I22R3210	38 11 30	87 57 0	5	.5	.2	.07	N	N	N	100	100
I22R3220	38 11 30	87 57 0	.7	.5	.2	.1	N	N	N	100	200
I22R3230	38 11 30	87 57 0	5	.1	.1	.02	N	N	N	100	30
I22R3240	38 11 30	87 57 0	>20	1	.5	.1	N	N	N	100	100
I22R3250	38 11 30	87 57 0	7	1.5	2	.2	N	N	N	200	500
I22R3260	38 11 30	87 57 0	20	1	2	.15	N	N	N	100	300
I22R3280	38 11 30	87 57 0	>20	.7	.5	.1	N	N	N	50	100
I22R3290	38 11 30	87 57 0	3	.07	.3	.015	N	N	N	70	<20
I22R3303	38 11 30	87 57 0	5	1	.5	.3	N	N	N	100	500
I22R3313	38 11 30	87 57 0	2	.7	.3	.07	N	N	N	70	150
I22R3333	38 11 30	87 57 0	3	1	.3	.15	N	N	N	100	200
I22R3343	38 11 30	87 57 0	2	.5	.2	.05	N	<200	N	70	N
I22R3353	38 11 30	87 57 0	20	.2	.1	.05	N	N	N	70	20
I22R3363	38 11 30	87 57 0	10	1	.3	.2	.5	N	N	70	200
I22R3373	38 11 30	87 57 0	.2	1.5	.7	.2	1.5	N	N	100	200
I22R3381	38 11 30	87 57 0	5	1	.7	.15	N	N	N	70	150
I22R3391	38 11 30	87 57 0	1.5	2	.7	.2	N	N	N	100	200
I22R3401	38 11 30	87 57 0	7	1.5	1	.5	N	N	N	150	300
I22R3421	38 11 30	87 57 0	.7	1.5	.7	.1	N	N	N	100	1,000
I22R3449	38 11 30	87 57 0	10	.7	.15	.07	N	N	N	50	100
I22R3477	38 11 30	87 57 0	2	5	1	.5	1	N	N	200	200
I22R3493	38 11 30	87 57 0	2	2	.7	.3	.5	N	N	150	700
I22R3504	38 11 30	87 57 0	.3	2	.5	.5	.5	N	N	150	200
I22R3514	38 11 30	87 57 0	1	2	1	.2	N	N	N	150	300
I22R3544	38 11 30	87 57 0	2	2	.5	.2	N	N	N	100	300
I22R3554	38 11 30	87 57 0	1.5	2	.7	.2	N	N	N	100	200
I22R3564	38 11 30	87 57 0	2	2	1	.7	N	N	N	200	500
I22R3574	38 11 30	87 57 0	.7	1	.5	.2	1	N	N	150	700
I22R3589	38 11 30	87 57 0	5	1	.5	.2	N	N	N	100	1,000
I22R3605	38 11 30	87 57 0	5	1	.5	.2	N	<200	N	200	500
I22R3615	38 11 30	87 57 0	7	1	.5	.2	N	N	N	150	200
I22R3625	38 11 30	87 57 0	.7	2	.7	1	.7	N	N	200	700
I22R3640	38 11 30	87 57 0	1	1	.2	.2	N	N	N	100	300
I22R3650	38 11 30	87 57 0	.7	1	.3	.3	N	N	N	150	200
I22R3654	38 11 30	87 57 0	.7	1.5	.5	.5	N	N	N	150	200
I22R3657	38 11 30	87 57 0	1	1	.5	.2	N	N	N	150	150
I22R3670	38 11 30	87 57 0	.5	1	.5	.3	N	N	N	150	200
I22R3683	38 11 30	87 57 0	1.5	1.5	1	.5	1	N	N	200	300
I22R3693	38 11 30	87 57 0	.5	1	.7	.5	1	N	N	200	200
I22R3703	38 11 30	87 57 0	.7	.7	.3	.15	N	N	N	100	150
I22R3713	38 11 30	87 57 0	.1	1	.5	.5	N	N	N	100	500
I22R3723	38 11 30	87 57 0	.5	1	.2	.115	N	N	N	100	200
I22R3733	38 11 30	87 57 0	.07	1	.5	.3	.5	N	N	150	200
I22R3743	38 11 30	87 57 0	.07	1	.5	.2	.5	N	N	150	200
I22R3753	38 11 30	87 57 0	.5	1	.3	.2	.5	N	N	100	150
I22R3768	38 11 30	87 57 0	3	1.5	1	.7	.7	N	N	200	500

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R3060	<1	N	N	10	100	50	N	50	5	50	50	70
I22R3070	<1	N	N	7	100	30	N	70	5	20	50	15
I22R3083	<1	N	N	15	100	50	N	50	5	20	50	50
I22R3100	<1	N	N	5	100	20	N	50	<5	<20	20	10
I22R3110	<1	N	N	<5	100	50	N	20	<5	<20	10	10
I22R3120	<1	N	N	<5	100	30	N	15	20	<20	20	15
I22R3130	<1	N	N	7	100	50	N	30	5	<20	50	15
I22R3140	<1	N	N	N	150	50	N	30	7	<20	20	10
I22R3150	N	N	N	N	<10	<5	N	N	<5	N	5	N
I22R3160	N	N	N	N	20	15	N	<10	10	N	7	10
I22R3170	N	N	N	N	15	5	N	<10	5	N	5	N
I22R3180	N	N	N	N	20	10	N	N	<5	N	<5	N
I22R3190	<1	N	N	5	100	70	N	100	5	<20	70	70
I22R3200	<1	N	N	15	100	70	N	100	200	<20	150	20
I22R3210	N	N	N	N	30	20	N	20	20	N	30	<10
I22R3220	N	N	N	20	70	15	N	20	30	N	50	<10
I22R3230	N	N	N	N	50	5	N	20	10	N	10	<10
I22R3240	N	N	N	N	100	10	N	30	15	N	30	20
I22R3250	<1	N	N	10	200	70	N	100	30	<20	150	20
I22R3260	N	N	N	5	100	20	N	70	20	N	70	30
I22R3280	N	N	100	N	50	10	N	10	15	N	15	10
I22R3290	N	N	N	<5	30	5	N	10	<5	N	10	10
I22R3303	N	N	N	5	100	15	N	50	<5	N	70	10
I22R3313	N	N	N	<5	50	7	N	<10	20	N	30	10
I22R3333	N	N	N	5	100	10	N	15	30	N	50	10
I22R3343	N	N	N	<5	50	5	N	10	10	N	5	10
I22R3353	N	N	N	N	15	7	N	<10	5	N	5	10
I22R3363	N	N	N	5	70	15	N	30	10	N	50	10
I22R3373	<1	<10	N	15	100	20	N	50	20	N	70	50
I22R3381	N	<10	N	7	100	10	N	50	15	N	50	20
I22R3391	N	<10	N	15	100	15	N	50	50	<20	70	30
I22R3401	N	<10	N	15	100	15	N	100	70	<20	70	30
I22R3421	N	<10	N	10	100	15	N	50	20	N	70	20
I22R3449	N	<10	100	5	70	15	N	15	15	N	30	<10
I22R3477	N	N	N	20	200	50	N	100	100	20	200	30
I22R3493	<1	<10	N	10	150	30	N	70	20	<20	100	30
I22R3504	N	N	N	10	200	50	N	100	30	20	100	30
I22R3514	N	N	N	15	200	20	N	100	15	N	100	30
I22R3544	N	N	N	10	150	20	N	100	20	N	100	50
I22R3554	N	N	N	10	100	20	N	100	30	N	100	20
I22R3564	<1	N	N	20	100	20	50	150	30	20	70	30
I22R3574	<1	N	30	20	100	20	N	50	20	<20	150	50
I22R3589	<1	N	N	15	100	50	N	70	50	N	100	30
I22R3605	1	<10	20	20	100	70	<20	100	50	N	100	30
I22R3615	<1	<10	N	20	100	30	N	100	30	<20	100	70
I22R3625	1	10	N	30	150	50	50	150	70	30	150	50
I22R3640	<1	<10	<20	5	100	20	N	100	20	<20	70	10
I22R3650	1	10	N	15	100	20	N	100	70	<20	100	50
I22R3654	1	10	N	15	100	20	N	100	50	<20	100	50
I22R3657	1	10	N	10	100	15	N	100	50	<20	100	15
I22R3670	1	<10	N	15	100	15	N	70	20	20	70	20
I22R3683	1	N	N	15	100	20	N	100	20	20	150	50
I22R3693	1	N	N	15	150	20	N	100	30	20	100	30
I22R3703	<1	<10	N	5	70	15	N	50	15	N	70	10
I22R3713	1	<10	N	10	100	20	N	100	20	<20	100	30
I22R3723	N	<10	20	5	50	15	N	50	10	N	50	20
I22R3733	<1	N	N	15	100	20	N	150	50	20	100	30
I22R3743	<1	<10	N	5	100	20	N	100	20	<20	100	50
I22R3753	1	<10	N	15	100	20	N	100	15	<20	70	20
I22R3768	1	N	N	20	150	30	50	150	15	20	100	30

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R3060	N	10	50	200	N	100	<50	10	N	300	.21	6
I22R3070	N	7	20	>5,000	N	150	<50	<10	<200	200	.24	6
I22R3083	N	15	N	5,000	N	150	<50	10	200	300	.25	6
I22R3100	N	10	N	3,000	N	100	<50	10	N	300	.11	6
I22R3110	N	<5	N	>5,000	N	50	<50	<10	<200	200	.17	6
I22R3120	N	5	15	>5,000	N	50	<50	<10	1,000	500	.1	6
I22R3130	N	15	N	5,000	N	100	<50	10	N	500	.16	6
I22R3140	N	10	N	>5,000	N	100	<50	10	<200	1,000	.79	6
I22R3150	N	5	N	5,000	N	10	N	N	N	N	<.05	6
I22R3160	N	N	N	5,000	N	20	N	N	N	200	.07	6
I22R3170	N	N	N	5,000	N	20	N	N	N	200	<.05	6
I22R3180	N	N	N	5,000	N	10	N	N	N	100	<.05	6
I22R3190	N	5	N	>5,000	N	50	N	15	<200	300	4.06	6
I22R3200	N	10	N	>5,000	N	150	N	<10	N	200	.3	6
I22R3210	N	N	N	>5,000	N	50	<50	N	N	<10	<.05	6
I22R3220	N	N	N	5,000	N	70	<50	N	N	20	<.05	6
I22R3230	N	N	N	500	N	30	50	N	N	N	<.05	6
I22R3240	N	5	N	>5,000	N	100	<50	N	N	50	.05	6
I22R3250	N	10	N	3,000	N	200	<50	10	N	200	.19	6
I22R3260	N	5	N	5,000	N	70	<50	<10	N	150	4.19	6
I22R3280	N	N	N	5,000	N	100	N	N	3,000	50	.59	6
I22R3290	N	N	N	2,000	N	50	<50	N	N	N	.06	6
I22R3303	N	5	N	>5,000	N	150	N	N	N	100	1.43	6
I22R3313	N	N	N	>5,000	N	100	N	N	N	10	.15	6
I22R3333	N	<5	N	>5,000	N	100	<50	N	N	70	.09	6
I22R3343	N	N	N	700	N	20	<50	N	N	N	<.05	6
I22R3353	N	N	N	1,000	N	20	<50	N	N	70	.59	6
I22R3363	N	15	N	>5,000	N	50	<50	10	N	500	.41	6
I22R3373	N	7	N	150	N	100	<50	N	N	100	.33	7
I22R3381	N	5	N	1,500	N	70	<50	N	N	100	.27	7
I22R3391	N	15	N	2,000	N	100	<50	<10	N	150	.35	7
I22R3401	N	15	N	5,000	N	200	<50	10	N	200	.75	7
I22R3421	N	5	N	>5,000	N	70	<50	N	N	20	.24	7
I22R3449	N	N	N	5,000	N	30	<50	N	2,000	20	1.01	7
I22R3477	N	20	N	5,000	N	200	<50	N	200	300	.22	7
I22R3493	N	10	N	>5,000	N	200	<50	N	200	150	.75	7
I22R3504	N	15	N	200	N	200	<50	N	<200	200	.19	7
I22R3514	N	10	N	3,000	N	200	N	N	200	150	.3	7
I22R3544	N	10	N	>5,000	N	150	N	N	200	100	.34	7
I22R3554	N	7	N	1,000	N	100	N	N	<200	100	.47	7
I22R3564	N	20	N	200	N	200	N	10	<200	200	.47	7
I22R3574	N	7	N	>5,000	N	200	N	N	1,000	300	.13	7
I22R3589	N	7	N	>5,000	N	200	N	N	<200	200	5.19	7
I22R3605	N	10	N	5,000	N	150	N	N	1,000	200	1.51	7
I22R3615	N	7	N	1,000	N	200	N	N	<200	200	.18	7
I22R3625	N	20	N	>5,000	N	200	N	15	200	300	.24	7
I22R3640	N	<5	N	>5,000	N	100	N	N	1,000	200	.11	7
I22R3650	N	7	N	710	N	150	N	N	N	300	.55	7
I22R3654	N	10	N	<100	N	150	N	10	N	300	.2	7
I22R3657	N	7	N	<100	N	200	N	N	N	200	.15	7
I22R3670	N	10	N	1,500	N	200	N	N	N	300	.43	7
I22R3683	N	15	N	100	N	200	N	15	N	300	.19	7
I22R3693	N	10	N	100	N	200	N	N	N	300	.2	7
I22R3703	N	N	N	1,500	N	100	N	N	1,500	100	.17	7
I22R3713	N	10	N	>5,000	N	150	N	<10	N	200	.12	7
I22R3723	N	N	N	>5,000	N	100	N	N	1,500	100	.16	7
I22R3733	N	10	N	<100	N	150	N	<10	N	100	.19	7
I22R3743	N	7	N	<100	N	150	N	N	N	150	.17	7
I22R3753	N	5	N	<100	N	100	N	N	<200	150	.15	7
I22R3768	N	20	N	100	N	200	N	15	N	300	.24	7

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I22R3788	38 11 30	87 57 0	1	.5	.1	.1	N	<200	N	100	50
I22R3801	38 11 30	87 57 0	1	.2	.1	.1	N	300	N	200	50
I22R3816	38 11 30	87 57 0	3	1.5	.5	.2	N	N	N	200	200
I22R3828	38 11 30	87 57 0	1.5	2	.7	.5	N	N	N	200	500
I22R3861	38 11 30	87 57 0	.3	2	.7	.5	.5	N	N	200	500
I22R3874	38 11 30	87 57 0	.1	2	.5	.3	N	200	N	200	300
I22R3883	38 11 30	87 57 0	2	1	.5	.15	N	N	N	200	200
I22R3890	38 11 30	87 57 0	.2	.7	.2	.07	N	200	N	150	100
I22R3896	38 11 30	87 57 0	.3	2	.5	.2	5	N	N	150	500
I22R3917	38 11 30	87 57 0	.3	2	.7	.3	3	<200	N	200	500
I22R3927	38 11 30	87 57 0	.5	1.5	.5	.2	N	N	N	200	300
I22R3937	38 11 30	87 57 0	.7	.15	.05	.015	N	N	N	100	30
I22R3951	38 11 30	87 57 0	.7	.5	.1	.07	N	N	N	150	100
I22R3962	38 11 30	87 57 0	1	.7	.2	.1	N	N	N	200	100
I22R3972	38 11 30	87 57 0	7	1	.7	.15	2	N	N	200	200
I22R3982	38 11 30	87 57 0	1	.5	.2	.1	N	N	N	150	100
I22R3990	38 11 30	87 57 0	3	.7	.3	.1	N	N	N	100	700
I22R4001	38 11 30	87 57 0	1.5	1	.3	.2	1.5	N	N	150	200
I22R4011	38 11 30	87 57 0	.15	1	.3	.15	1	<200	N	150	150
I22R4021	38 11 30	87 57 0	.2	.7	.2	.15	N	N	N	100	100
I22R4031	38 11 30	87 57 0	.1	1	.15	.1	N	N	N	150	150
I22R4040	38 11 30	87 57 0	.7	1.5	.5	.3	.7	N	N	200	200
I22R4051	38 11 30	87 57 0	1	1	.5	.15	N	N	N	200	300
I22R4061	38 11 30	87 57 0	.7	1	.3	.1	N	N	N	150	700
I22R4071	38 11 30	87 57 0	1	1.5	.5	.2	.7	N	N	200	500
I22R4082	38 11 30	87 57 0	.5	1	.3	.2	N	N	N	200	200
I22R4092	38 11 30	87 57 0	.7	1	.5	.15	N	N	N	150	150
I22R4101	38 11 30	87 57 0	.3	1	.2	.2	N	N	N	150	200
I22R4111	38 11 30	87 57 0	.5	1	.3	.15	.5	N	N	150	150
I22R4121	38 11 30	87 57 0	1.5	1.5	.7	.2	.7	N	N	200	300
I22R4130	38 11 30	87 57 0	1.5	1.5	.7	.5	1.5	N	N	300	500
I22R4140	38 11 30	87 57 0	1	1	.7	.2	.5	N	N	200	500
I22R4151	38 11 30	87 57 0	.5	1	.3	.2	.5	N	N	150	200
I22R4161	38 11 30	87 57 0	.5	1	.5	.3	1	N	N	150	200
I22R4171	38 11 30	87 57 0	3	1	.7	.3	.7	N	N	200	700
I22R4181	38 11 30	87 57 0	.5	1	.3	.2	1	N	N	150	1,000
I22R4191	38 11 30	87 57 0	10	1	1	.3	3	N	N	200	700
I22R4194	38 11 30	87 57 0	1.5	1	.2	.2	N	N	N	200	300
I22R4205	38 11 30	87 57 0	3	1	.7	.3	2	<200	N	200	500
I22R4215	38 11 30	87 57 0	2	1	.5	.3	1.5	<200	N	150	300
I22R4225	38 11 30	87 57 0	.2	2	.5	.2	3	N	N	150	1,500
I22R4230	38 11 30	87 57 0	.15	1	.3	.2	2	<200	N	150	300
I22R4240	38 11 30	87 57 0	1	1	.5	.2	3	N	N	150	500
I22R4251	38 11 30	87 57 0	1	1.5	.7	.2	5	<200	N	200	500
I22R4258	38 11 30	87 57 0	.5	1	.5	.2	1	<200	N	150	500
I22R4272	38 11 30	87 57 0	.2	1	.3	.3	1.5	N	N	200	700
I22R4282	38 11 30	87 57 0	.3	1	.3	.2	<.5	N	N	150	300
I22R4290	38 11 30	87 57 0	.5	1	.3	.3	1	N	N	150	300
I22R4301	38 11 30	87 57 0	1	1	.3	.2	.7	N	N	100	300
I22R4311	38 11 30	87 57 0	5	1	.7	.3	1.5	<200	N	200	500
I22R4321	38 11 30	87 57 0	3	.7	.5	.2	1	N	N	150	500
I22R4331	38 11 30	87 57 0	5	.7	.5	.3	1	N	N	150	500
I22R4341	38 11 30	87 57 0	1.5	1	.5	.3	2	N	N	200	500
I22R4345	38 11 30	87 57 0	2	1	.5	.3	1	N	N	200	500
I22R4356	38 11 30	87 57 0	1.5	1	.5	.2	.5	N	N	200	700
I22R4366	38 11 30	87 57 0	3	1	.7	.3	N	N	N	200	500
I22R4376	38 11 30	87 57 0	2	1	.5	.2	.7	N	N	200	500
I22R4387	38 11 30	87 57 0	1	1	.3	.2	.7	N	N	150	500
I22R4390	38 11 30	87 57 0	1.5	1.5	.5	.5	<.5	N	N	200	500
I22R4401	38 11 30	87 57 0	3	1.5	.7	.5	1	N	N	200	700

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R3788	N	<10	<20	<5	100	15	N	50	7	N	50	<10
I22R3801	<1	<10	N	N	50	10	N	30	<5	<20	10	<10
I22R3816	<1	N	N	10	100	20	N	100	<5	<20	50	10
I22R3828	N	N	N	30	200	50	N	200	10	20	100	50
I22R3861	<1	N	N	20	150	70	N	300	15	20	100	50
I22R3874	1	N	N	15	100	30	N	300	15	20	100	30
I22R3883	<1	N	N	5	100	10	N	150	<5	<20	50	20
I22R3890	<1	N	N	<5	50	20	N	50	5	<20	15	10
I22R3896	<1	10	N	20	150	50	N	500	7	20	100	50
I22R3917	<1	N	N	10	150	30	N	300	7	20	150	30
I22R3927	<1	N	N	7	100	15	N	100	<5	N	100	10
I22R3937	N	N	N	N	20	<5	N	50	N	<20	5	<10
I22R3951	N	N	N	N	20	7	N	50	5	<20	10	<10
I22R3962	N	<10	N	N	50	7	N	50	N	<20	15	<10
I22R3972	N	<10	N	5	100	20	N	100	7	<20	70	10
I22R3982	N	N	N	7	50	10	N	30	5	N	30	10
I22R3990	N	N	N	N	50	15	N	50	5	<20	30	10
I22R4001	1	N	N	N	50	20	N	50	5	<20	50	15
I22R4011	N	N	N	N	50	15	N	30	5	N	50	<10
I22R4021	N	<10	N	N	50	5	N	20	5	N	30	10
I22R4031	N	N	N	<5	30	10	N	30	<5	<20	30	<10
I22R4040	<1	N	N	5	50	15	N	100	<5	<20	70	15
I22R4051	N	N	N	N	50	10	N	50	5	<20	50	10
I22R4061	N	N	N	N	30	7	N	50	<5	<20	30	10
I22R4071	<1	N	N	5	70	15	N	100	5	<20	70	20
I22R4082	N	N	N	<5	50	10	N	50	<5	<20	50	20
I22R4092	N	N	N	<5	50	10	N	50	<5	<20	30	10
I22R4101	N	N	N	<5	30	10	N	30	<5	<20	30	10
I22R4111	N	N	N	<5	30	15	N	30	<5	<20	50	10
I22R4121	<1	N	N	<5	70	20	N	50	<5	<20	50	10
I22R4130	1	N	N	<5	100	20	N	100	<5	<20	70	10
I22R4140	1	N	N	<5	50	20	N	50	<5	<20	30	<10
I22R4151	N	N	N	N	20	15	N	20	<5	<20	30	10
I22R4161	<1	N	N	<5	50	15	N	20	<5	<20	30	10
I22R4171	<1	N	N	<5	70	15	N	30	<5	<20	50	10
I22R4181	N	N	N	<5	50	10	N	30	<5	<20	30	10
I22R4191	N	N	N	5	100	20	N	70	<5	<20	50	20
I22R4194	N	N	N	N	70	10	N	20	<5	<20	30	<10
I22R4205	<1	N	N	N	50	15	N	30	<5	<20	50	10
I22R4215	N	N	N	N	50	10	N	30	7	N	50	<10
I22R4225	1	N	N	5	100	30	30	50	5	<20	70	<10
I22R4230	1	N	N	<5	50	15	N	50	<5	<20	50	15
I22R4240	1	N	N	5	100	15	50	50	5	<20	50	15
I22R4251	<1	N	N	5	100	20	30	50	7	<20	50	20
I22R4258	<1	N	N	5	100	15	30	50	5	<20	70	15
I22R4272	1	N	N	7	70	10	N	50	5	<20	70	15
I22R4282	<1	N	N	5	50	10	N	30	5	<20	50	10
I22R4290	1	N	N	<5	50	10	N	30	5	<20	30	<10
I22R4301	1	N	N	<5	50	15	N	30	<5	<20	30	<10
I22R4311	1	N	N	5	70	15	N	70	7	<20	70	10
I22R4321	<1	N	N	N	50	10	N	50	5	<20	30	10
I22R4331	<1	N	N	<5	50	15	N	50	5	<20	50	15
I22R4341	1	N	N	<5	50	20	30	30	N	<20	50	10
I22R4345	<1	N	N	5	30	15	30	30	<5	<20	50	10
I22R4356	<1	N	N	<5	50	15	N	50	<5	<20	50	<10
I22R4366	1	N	N	N	50	15	N	50	<5	<20	50	10
I22R4376	<1	N	N	N	50	15	N	30	N	<20	30	<10
I22R4387	<1	N	N	<5	30	10	N	30	<5	<20	30	<10
I22R4390	1	N	N	<5	50	20	<20	30	<5	<20	50	<10
I22R4401	1.5	N	N	5	100	20	30	70	5	<20	50	10

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R3788	N	N	N	<100	N	50	<50	N	500	50	.11	7
I22R3801	N	N	N	<100	N	50	<50	N	700	50	.07	7
I22R3816	N	5	N	100	N	150	N	N	200	200	.15	7
I22R3828	N	20	N	100	N	200	N	N	<200	300	.17	7
I22R3861	N	20	N	700	N	200	N	10	<200	300	.21	7
I22R3874	N	10	N	100	N	150	N	N	<200	300	.15	7
I22R3883	N	<5	N	<100	N	100	N	N	<200	200	1.79	7
I22R3890	N	N	N	<100	N	50	<50	N	200	15	.11	7
I22R3896	N	10	N	100	N	100	N	N	200	150	.19	7
I22R3917	N	15	N	<100	N	150	N	15	<200	200	.25	7
I22R3927	N	<5	N	<100	N	100	N	N	<200	15	.12	7
I22R3937	N	5	N	<100	N	10	N	N	N	N	<.05	7
I22R3951	N	N	N	1,000	N	15	<50	N	N	<10	<.05	7
I22R3962	N	N	N	100	N	50	<50	N	<200	100	<.05	7
I22R3972	N	<5	N	200	N	100	<50	N	<200	150	.08	7
I22R3982	N	N	N	100	N	50	<50	N	<200	50	.05	7
I22R3990	N	N	N	5,000	N	70	50	N	N	100	.05	7
I22R4001	N	N	N	200	N	100	<50	N	<200	200	.06	7
I22R4011	N	N	N	<100	N	100	<50	N	<200	200	.07	7
I22R4021	N	5	N	<100	N	70	N	N	N	100	.05	7
I22R4031	N	N	N	200	N	70	<50	N	N	100	.05	7
I22R4040	N	5	N	200	N	100	<50	N	N	200	.07	7
I22R4051	N	<5	N	200	N	50	<50	N	N	150	.05	7
I22R4061	N	<5	N	1,500	N	50	<50	N	N	100	.06	7
I22R4071	N	<5	N	500	N	100	<50	N	N	200	.08	7
I22R4082	N	<5	N	100	N	100	<50	N	N	150	.05	7
I22R4092	N	N	N	100	N	70	<50	N	N	100	<.05	7
I22R4101	N	N	N	150	N	50	<50	N	N	100	.05	7
I22R4111	N	<5	N	100	N	70	<50	N	N	100	.06	7
I22R4121	N	<5	N	200	N	100	<50	N	N	200	.07	7
I22R4130	N	7	N	100	N	150	<50	N	<200	200	.07	7
I22R4140	N	<5	N	100	N	50	<50	N	N	150	.06	7
I22R4151	N	<5	N	<100	N	50	<50	N	N	100	.05	7
I22R4161	N	5	N	<100	N	100	<50	N	N	150	.05	7
I22R4171	N	5	N	100	N	100	<50	N	N	200	.06	7
I22R4181	N	<5	N	100	N	100	<50	N	N	150	.05	7
I22R4191	N	7	N	300	N	150	<50	N	N	200	.09	7
I22R4194	N	N	N	100	N	100	<50	N	200	150	.05	7
I22R4205	N	5	N	150	N	150	<50	N	N	200	.06	7
I22R4215	N	5	N	100	N	100	<50	N	<200	100	.07	7
I22R4225	N	5	N	200	N	100	<50	N	200	200	.06	7
I22R4230	N	<5	N	<100	N	100	<50	N	<200	200	.06	7
I22R4240	N	5	N	200	N	100	<50	N	<200	200	.07	7
I22R4251	N	5	N	200	N	150	<50	N	<200	200	.06	7
I22R4258	N	5	N	100	N	150	<50	N	<200	200	.08	7
I22R4272	N	5	N	100	N	150	<50	N	<200	200	.05	7
I22R4282	N	<5	N	<100	N	100	<50	N	<200	200	<.05	7
I22R4290	N	5	N	100	N	100	<50	N	<200	200	.05	7
I22R4301	N	<5	N	100	N	100	<50	N	200	150	<.05	7
I22R4311	N	5	N	200	N	150	<50	10	N	200	.05	7
I22R4321	N	N	N	500	N	100	<50	N	N	100	<.05	7
I22R4331	N	5	N	200	N	100	<50	N	N	200	<.05	7
I22R4341	N	5	N	100	N	150	<50	<10	<200	150	.05	7
I22R4345	N	7	N	<100	N	100	<50	10	N	200	.05	7
I22R4356	N	N	N	100	N	100	<50	N	200	150	<.05	7
I22R4366	N	<5	N	100	N	100	<50	<10	<200	200	<.05	7
I22R4376	N	<5	N	<100	N	100	<50	N	<200	150	<.05	7
I22R4387	N	<5	N	<100	N	70	<50	N	<200	150	<.05	7
I22R4390	N	5	N	100	N	150	<50	N	<200	200	<.05	7
I22R4401	N	7	N	100	N	150	<50	15	<200	300	.06	7

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I22R4411	38 11 30	87 57 0	5	1	.7	.2	1.5	N	N	150	200
I22R4421	38 11 30	87 57 0	3	1	.7	.2	1	N	N	150	200
I22R4431	38 11 30	87 57 0	5	1	.7	.2	1.5	200	N	150	300
I22R4440	38 11 30	87 57 0	1	1	1	.3	.5	N	N	150	300
I22R4447	38 11 30	87 57 0	.07	3	.7	.5	.7	N	N	150	5,000
I22R4455	38 11 30	87 57 0	.1	1.5	.7	.5	<.5	N	N	150	2,000
I22R4465	38 11 30	87 57 0	.05	1	1	.5	.5	N	N	200	500
I22R4475	38 11 30	87 57 0	.05	1	1	.5	N	N	N	200	700
I22R4485	38 11 30	87 57 0	.15	1	1	.7	N	N	N	200	>5,000
I22R4495	38 11 30	87 57 0	.05	1.5	.7	.5	<.5	N	N	300	500
I22R4510	38 11 30	87 57 0	.05	1.5	.7	.5	.5	N	N	200	1,000
I22R4530	38 11 30	87 57 0	.05	3	.5	.3	<.5	<200	N	200	300
I22R4545	38 11 30	87 57 0	<.05	1	.2	.2	N	N	N	150	200
I22R4560	38 11 30	87 57 0	<.05	1.5	.3	.2	N	<200	N	200	200
I22R4575	38 11 30	87 57 0	.05	2	.5	.3	N	N	N	200	500
I22R4590	38 11 30	87 57 0	.05	2	.5	.3	.5	N	N	150	500
I22R4600	38 11 30	87 57 0	.05	5	.7	.5	.5	N	N	200	500
I22R4687	38 11 30	87 57 0	.2	7	.7	.5	1.5	N	N	200	1,000
I22R4699	38 11 30	87 57 0	1	1.5	2	.3	.5	N	N	200	300
I22R4740	38 11 30	87 57 0	.1	10	.3	.2	2	N	N	150	200
I22R4760	38 11 30	87 57 0	2	3	1	.3	.5	200	N	300	200
I22R4773	38 11 30	87 57 0	.2	7	.7	.5	.5	N	N	500	500
I22R4784	38 11 30	87 57 0	.1	7	.7	.3	<.5	200	N	500	300
I22R4802	38 11 30	87 57 0	3	5	.7	.2	N	N	N	500	300
I22R4836	38 11 30	87 57 0	5	5	2	.2	<.5	N	N	300	300
I22R4865	38 11 30	87 57 0	2	2	.3	.1	N	200	N	150	100
I22R4889	38 11 30	87 57 0	3	2	.2	.07	N	N	N	100	100
I22R4910	38 11 30	87 57 0	.5	.5	.2	.05	N	N	N	150	70
I22R4930	38 11 30	87 57 0	1	.7	.2	.07	N	N	N	150	50
I22R4950	38 11 30	87 57 0	2	.5	.5	.1	N	N	N	100	100
I22R4975	38 11 30	87 57 0	2	5	.7	.2	.5	<200	N	300	300
I22R4990	38 11 30	87 57 0	1	1	.3	.15	N	200	N	200	200
I22R5000	38 11 30	87 57 0	1.5	5	.5	.1	.5	N	N	150	150
I22R5063	38 11 30	87 57 0	.7	3	.5	.1	<.5	<200	N	200	150
I22R5100	38 11 30	87 57 0	.5	10	.5	.2	.7	N	N	200	200
I22R5117	38 11 30	87 57 0	.7	7	.5	.07	N	200	N	200	50
I22R5213	38 11 30	87 57 0	1	15	.5	.2	3	<200	N	300	200
I22R5223	38 11 30	87 57 0	.3	1	.15	.05	N	N	N	150	30
I22R5233	38 11 30	87 57 0	.2	.15	.1	.01	N	N	N	150	30
I22R5250	38 11 30	87 57 0	1	2	.2	.15	<.5	<200	N	200	50
I22R5285	38 11 30	87 57 0	.7	3	.3	.1	.7	<200	N	300	100
I22R5300	38 11 30	87 57 0	.3	2	.3	.2	<.5	<200	N	500	150
I22R5310	38 11 30	87 57 0	.3	10	2	.15	.7	N	N	2,000	70
I22R5322	38 11 30	87 57 0	2	1	.5	.15	N	<200	N	300	100
I22R5332	38 11 30	87 57 0	.3	1	.5	.2	N	N	N	500	100
I22R5342	38 11 30	87 57 0	.7	.7	.5	.1	N	N	N	150	70
I22R5352	38 11 30	87 57 0	.5	1	.5	.2	N	<200	N	150	100
I22R5363	38 11 30	87 57 0	.5	1	.3	.07	N	<200	N	150	70
I22R5372	38 11 30	87 57 0	<.05	.07	.05	.01	N	N	N	100	20
I22R5382	38 11 30	87 57 0	.5	.07	.2	.015	N	N	N	100	50
I22R5392	38 11 30	87 57 0	.7	.1	.2	.02	N	N	N	100	30
I22R5402	38 11 30	87 57 0	.7	.1	.3	.015	N	N	N	150	50
I22R5412	38 11 30	87 57 0	1	.2	.5	.05	N	<200	N	150	70
I22R5420	38 11 30	87 57 0	.7	.5	.5	.05	N	<200	N	150	50
I22R5432	38 11 30	87 57 0	.5	.2	.5	.07	N	N	N	100	100
I22R5442	38 11 30	87 57 0	2	.7	1	.15	N	N	N	100	100
I22R5452	38 11 30	87 57 0	2	.5	2	.1	N	N	N	100	70
I22R5462	38 11 30	87 57 0	5	.5	1	.15	N	N	N	200	100
I22R5473	38 11 30	87 57 0	.2	5	3	.5	N	N	N	200	200
I22R5482	38 11 30	87 57 0	1	5	3	.7	N	<200	N	150	1,000

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R4411	1	<10	N	7	100	15	50	100	5	<20	70	20
I22R4421	1	<10	N	5	100	15	50	200	<5	<20	50	30
I22R4431	1	10	N	7	100	15	30	200	<5	<20	50	50
I22R4440	<1	N	N	10	100	15	N	200	<5	20	70	50
I22R4447	1	<10	N	20	150	20	100	100	<5	20	150	50
I22R4455	1	N	N	15	100	150	N	50	<5	20	100	30
I22R4465	1	N	N	20	100	15	30	50	N	20	100	20
I22R4475	1	N	N	15	150	15	50	50	N	20	100	20
I22R4485	1	N	N	15	150	70	50	50	5	20	50	50
I22R4495	1	<10	N	30	150	20	30	30	20	20	70	70
I22R4510	30	N	N	20	100	50	N	500	70	<20	100	50
I22R4530	3	<10	N	20	150	100	<20	200	70	<20	100	50
I22R4545	20	N	N	7	70	20	N	300	20	N	30	70
I22R4560	5	N	N	15	70	30	<20	200	50	N	70	50
I22R4575	3	N	N	20	100	100	50	150	70	<20	100	70
I22R4590	1	N	N	30	100	100	N	100	70	20	100	70
I22R4600	2	N	N	30	150	100	50	100	100	20	100	70
I22R4687	20	N	N	20	150	700	50	700	50	20	100	100
I22R4699	1	N	N	20	100	100	N	200	20	<20	100	70
I22R4740	1	N	N	7	50	500	N	150	50	N	100	70
I22R4760	1	N	N	30	150	100	30	200	15	<20	100	100
I22R4773	2	N	N	20	150	100	N	150	30	20	100	70
I22R4784	2	N	N	20	100	200	30	150	10	<20	70	50
I22R4802	1.5	N	N	20	100	100	N	200	15	<20	100	70
I22R4836	1	N	N	10	50	100	N	300	10	<20	100	30
I22R4865	1	N	N	15	20	50	N	50	10	<20	70	<10
I22R4889	1	N	N	N	20	100	N	100	10	<20	50	<10
I22R4910	<1	N	N	N	20	20	N	30	5	N	30	<10
I22R4930	<1	N	N	<5	20	15	N	30	<5	<20	15	15
I22R4950	<1	N	N	N	100	10	N	30	<5	<20	20	<10
I22R4975	1	N	N	7	50	20	N	100	15	<20	70	50
I22R4990	<1	N	N	<5	20	10	N	50	7	<20	15	20
I22R5000	<1	N	N	5	20	15	30	50	15	N	50	70
I22R5063	<1	N	N	N	30	15	N	30	N	N	15	30
I22R5100	<1	N	N	5	150	50	50	200	N	20	50	50
I22R5117	3	N	N	5	100	70	N	200	N	N	50	70
I22R5213	7	N	30	10	200	200	200	200	5	20	100	100
I22R5223	<1	N	N	N	20	15	N	20	N	N	5	<10
I22R5233	<1	N	N	N	20	5	N	15	<5	<20	<5	<10
I22R5250	10	N	N	N	30	30	N	20	N	N	7	10
I22R5285	5	N	N	7	70	100	N	50	7	<20	50	70
I22R5300	5	N	N	5	50	30	N	50	5	<20	50	20
I22R5310	20	N	N	7	200	50	N	50	20	N	50	50
I22R5322	2	N	N	N	50	10	N	30	5	<20	10	10
I22R5332	1.5	N	N	N	30	15	30	30	5	N	15	10
I22R5342	1	N	N	N	20	7	N	30	N	N	7	10
I22R5352	<1	N	N	5	20	10	N	30	<5	<20	20	<10
I22R5363	3	N	N	N	20	<5	N	20	<5	<20	5	<10
I22R5372	<1	N	N	N	20	7	N	15	N	N	7	<10
I22R5382	<1	N	N	N	20	7	N	15	N	N	<5	<10
I22R5392	<1	N	N	N	20	7	N	15	N	<20	5	<10
I22R5402	<1	N	N	N	20	<5	N	30	<5	<20	5	<10
I22R5412	<1	N	N	N	20	<5	N	30	<5	<20	5	<10
I22R5420	<1	N	N	N	20	5	N	30	N	N	<5	<10
I22R5432	<1	N	N	N	20	<5	N	20	N	<20	<5	<10
I22R5442	<1	N	N	N	20	7	N	50	N	<20	<5	<10
I22R5452	<1	N	N	N	20	5	N	50	<5	<20	<5	<10
I22R5462	1	N	N	N	20	5	N	50	<5	<20	<5	20
I22R5473	1	N	N	70	70	150	N	200	20	30	300	70
I22R5482	2	N	N	20	100	100	N	300	5	20	70	50

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R4411	N	15	N	200	100	200	<50	20	N	150	<.05	7
I22R4421	N	15	N	<100	N	150	<50	20	N	100	<.05	7
I22R4431	N	15	N	100	N	150	<50	20	N	100	<.05	7
I22R4440	N	20	N	<100	N	200	<50	30	<200	150	.05	7
I22R4447	N	20	N	1,500	N	200	<50	50	<200	200	.06	7
I22R4455	N	15	N	100	100	200	150	20	N	150	.06	7
I22R4465	N	30	N	100	N	200	<50	30	N	200	.06	7
I22R4475	N	20	N	100	N	200	<50	30	N	200	.06	8,11
I22R4485	N	15	N	200	N	200	<50	30	N	200	.05	8,11
I22R4495	N	20	N	<100	N	300	<50	30	N	200	.06	8,11
I22R4510	N	15	N	<100	N	300	<50	30	<200	200	.08	8,11
I22R4530	N	15	N	<100	N	200	<50	30	<200	200	--	8,11
I22R4545	N	5	20	<100	N	150	<50	15	<200	100	.09	8,11
I22R4560	N	10	N	<100	N	150	<50	15	<200	150	.05	8,11
I22R4575	N	20	N	<100	N	200	<50	30	<200	200	.06	8,11
I22R4590	N	20	N	<100	N	200	<50	30	<200	200	.05	8,11
I22R4600	N	20	N	200	N	300	<50	50	<200	300	.05	8,11
I22R4687	N	20	15	200	N	300	<50	50	<200	200	.06	8,11
I22R4699	N	15	N	<100	N	200	<50	20	<200	150	.08	8,11
I22R4740	N	7	<10	<100	N	150	<50	15	1,000	200	.06	8,11
I22R4760	N	15	N	100	N	200	<50	20	N	150	.11	8,11
I22R4773	N	20	N	100	N	200	<50	20	200	300	.12	12
I22R4784	N	20	N	100	N	150	<50	15	<200	200	.18	12
I22R4802	N	15	N	150	N	150	<50	20	200	200	.17	12
I22R4836	N	5	N	100	N	200	50	10	200	200	.13	12
I22R4865	N	N	N	100	N	50	<50	<10	200	150	.55	12
I22R4889	N	N	N	<100	N	30	<50	N	500	70	1.07	12
I22R4910	N	N	N	<100	N	20	<50	N	N	70	.23	12
I22R4930	N	N	N	<100	N	50	<50	N	N	100	.06	12
I22R4950	N	N	N	<100	N	50	<50	N	N	100	<.05	12
I22R4975	N	7	N	<100	N	150	<50	<10	N	300	.06	12
I22R4990	N	N	N	<100	N	100	<50	N	N	70	<.05	12
I22R5000	N	N	N	<100	N	50	<50	N	N	150	.05	12
I22R5063	N	N	N	<100	N	100	<50	N	1,000	150	<.05	12
I22R5100	N	5	N	<100	N	200	<50	15	700	700	.07	12
I22R5117	N	N	10	<100	N	100	<50	N	<200	300	.11	12
I22R5213	N	N	20	1,000	N	200	<50	20	5,000	300	.16	12
I22R5223	N	N	N	<100	N	30	<50	N	<200	20	.05	12
I22R5233	N	N	N	<100	N	20	50	N	<200	150	.05	12
I22R5250	N	N	15	<100	N	100	<50	10	1,000	300	.08	12
I22R5285	N	<5	N	<100	N	150	<50	N	1,000	200	.18	12
I22R5300	N	<5	N	<100	N	150	<50	N	300	300	.14	12
I22R5310	N	N	N	<100	N	300	<50	N	200	200	.71	12
I22R5322	N	N	N	<100	N	100	<50	N	<200	200	.05	12
I22R5332	N	N	N	<100	N	100	<50	N	200	300	.06	12
I22R5342	N	N	N	<100	N	100	<50	N	N	100	.07	12
I22R5352	N	N	N	<100	N	100	50	N	N	200	.09	12
I22R5363	N	N	N	<100	N	50	<50	N	N	100	<.05	12
I22R5372	N	N	N	<100	N	20	<50	N	N	N	<.05	12
I22R5382	N	N	N	<100	N	20	<50	N	<200	50	<.05	12
I22R5392	N	N	N	<100	N	20	<50	N	N	<10	<.05	12
I22R5402	N	N	N	<100	N	20	50	N	N	N	<.05	12
I22R5412	N	N	N	<100	N	20	50	N	N	30	<.05	12
I22R5420	N	N	N	<100	N	30	50	N	N	30	<.05	12
I22R5432	N	N	N	<100	N	30	50	N	N	100	<.05	12
I22R5442	N	N	N	<100	N	30	50	N	N	100	<.05	12
I22R5452	N	N	N	<100	N	50	50	N	N	100	<.05	12
I22R5462	N	N	N	<100	N	70	50	N	200	100	<.05	12
I22R5473	N	20	N	<100	N	200	50	N	N	300	.19	12
I22R5482	N	15	N	100	N	150	<50	30	N	300	.22	12

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I22R5492	38 11 30	87 57 0	.5	1.5	1.5	.5	N	N	N	200	500
I22R5502	38 11 30	87 57 0	.07	.7	1	.2	N	N	N	100	200
I22R5512	38 11 30	87 57 0	.15	1	2	.5	N	N	N	200	500
I22R5522	38 11 30	87 57 0	.2	1	1	.3	N	N	N	150	300
I22R5532	38 11 30	87 57 0	.2	.7	.7	.15	N	N	N	100	150
I22R5542	38 11 30	87 57 0	3	1	1	.3	N	N	N	100	200
I22R5552	38 11 30	87 57 0	5	1	2	.2	N	N	N	200	200
I22R5562	38 11 30	87 57 0	5	1.5	3	.2	N	N	N	200	300
I22R5572	38 11 30	87 57 0	5	1	2	.3	N	N	N	200	300
I22R5582	38 11 30	87 57 0	1	1	2	.3	N	N	N	150	500
I22R5592	38 11 30	87 57 0	.2	1	1	.5	N	N	N	100	300
I22R5603	38 11 30	87 57 0	.5	1	1	.3	N	N	N	150	300
I22R5616	38 11 30	87 57 0	.7	1.5	2	.5	N	N	N	200	500
I22R5626	38 11 30	87 57 0	.2	1	1	.2	N	N	N	100	200
I22R5636	38 11 30	87 57 0	.7	1	1	.2	N	N	N	100	300
I22R5646	38 11 30	87 57 0	.5	1	1.5	.3	N	N	N	200	300
I22R5656	38 11 30	87 57 0	.15	.7	1	.2	N	N	N	150	200
I22R5666	38 11 30	87 57 0	.1	1	1	.3	N	N	N	150	300
I22R5676	38 11 30	87 57 0	.2	1	1	.2	N	N	N	100	200
I22R5686	38 11 30	87 57 0	2	1	1	.2	N	N	N	100	150
I22R5697	38 11 30	87 57 0	2	1	1	.2	N	N	N	100	200
I22R5707	38 11 30	87 57 0	10	2	3	.5	N	N	N	200	500
I22R5717	38 11 30	87 57 0	2	2	1.5	.5	N	N	N	200	200
I22R5727	38 11 30	87 57 0	.7	1	.7	.3	N	N	N	200	200
I22R5737	38 11 30	87 57 0	.3	1.5	1.5	.5	N	N	N	300	500
I22R5747	38 11 30	87 57 0	.2	1	1	.2	N	N	N	300	200
I22R5757	38 11 30	87 57 0	.5	2	1	.5	N	N	N	100	300
I22R5769	38 11 30	87 57 0	1.5	2	2	.3	N	N	N	150	300
I22R5779	38 11 30	87 57 0	1	1.5	1	.2	N	N	N	150	300
I22R5789	38 11 30	87 57 0	.3	1.5	1	.2	N	N	N	100	200
I22R5799	38 11 30	87 57 0	2	3	2	.3	N	N	N	100	200
I22R5809	38 11 30	87 57 0	2	2	2	.5	N	N	N	200	500
I22R5819	38 11 30	87 57 0	2	2	2	.3	N	N	N	150	300
I22R5829	38 11 30	87 57 0	2	3	3	.3	N	N	N	200	700
I22R5839	38 11 30	87 57 0	.5	1.5	2	.5	N	N	N	200	500
I22R5849	38 11 30	87 57 0	.2	1.5	2	.5	N	N	N	150	500
I22R5859	38 11 30	87 57 0	.5	3	1.5	.7	N	N	N	200	700
I22R5869	38 11 30	87 57 0	.7	3	2	.7	N	N	N	200	700
I22R5879	38 11 30	87 57 0	.1	2	1.5	.5	N	N	N	200	500
I22R5889	38 11 30	87 57 0	.15	2	1.5	.3	N	N	N	200	500
I22R5901	38 11 30	87 57 0	.2	5	2	1	N	N	N	200	1,000
I22R5914	38 11 30	87 57 0	.5	5	2	1	N	N	N	200	700
I22R5924	38 11 30	87 57 0	1	7	2	1	N	N	N	200	700
I22R5934	38 11 30	87 57 0	.5	3	2	.7	N	N	N	150	1,000
I22R5944	38 11 30	87 57 0	.7	5	1	.5	N	N	N	150	700
I22R5954	38 11 30	87 57 0	.15	3	1	.5	N	N	N	150	700
I22R5964	38 11 30	87 57 0	.7	5	1.5	.5	N	N	N	150	1,000
I22R5974	38 11 30	87 57 0	.07	7	1.5	1	N	N	N	200	700
I22R5984	38 11 30	87 57 0	.1	10	1.5	1	N	N	N	200	1,000
I22R5996	38 11 30	87 57 0	.1	10	1.5	1	N	N	N	200	1,000
I22R6006	38 11 30	87 57 0	.1	10	1.5	1	N	N	N	200	700
I22R6016	38 11 30	87 57 0	.1	15	1.5	1	N	N	N	200	700
I22R6033	38 11 30	87 57 0	.1	5	1	1	N	N	N	200	500
I22R6050	38 11 30	87 57 0	5	3	1	1	N	N	N	200	300
I22R6060	38 11 30	87 57 0	1	15	.7	.5	N	N	N	200	200
I22R6070	38 11 30	87 57 0	10	7	1.5	.5	N	N	N	200	200
I22R6080	38 11 30	87 57 0	10	3	1	.3	N	N	N	200	200
I22R6090	38 11 30	87 57 0	1	10	1	.5	N	N	N	200	5,000
I22R6099	38 11 30	87 57 0	.5	5	1	1	N	N	N	200	500
I22R6119	38 11 30	87 57 0	.2	1.5	.7	.5	N	N	N	100	300

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R5492	1	N	N	10	100	20	N	70	N	20	30	20
I22R5502	1	N	N	5	100	20	N	30	N	<20	15	<10
I22R5512	1	N	N	15	100	50	N	100	<5	<20	20	50
I22R5522	1	N	N	10	100	20	N	50	N	20	15	20
I22R5532	<1	N	N	<5	50	7	N	20	N	<20	5	<10
I22R5542	1	N	N	5	100	10	N	50	N	<20	7	20
I22R5552	<1	N	N	5	70	10	50	100	N	N	10	20
I22R5562	<1	N	N	7	100	10	N	100	N	<20	30	15
I22R5572	<1	N	N	5	100	10	30	100	N	<20	20	20
I22R5582	<1	N	N	5	100	15	N	70	N	<20	7	20
I22R5592	<1	N	N	7	100	20	N	50	<5	<20	15	20
I22R5603	<1	N	N	<5	100	15	N	30	N	<20	7	20
I22R5616	1.5	N	N	5	100	20	50	100	N	20	20	20
I22R5626	<1	N	N	5	50	10	N	20	N	<20	10	15
I22R5636	<1	N	N	7	70	10	N	30	<5	<20	15	15
I22R5646	1	<10	N	<5	70	10	N	20	<5	N	10	20
I22R5656	1	<10	N	N	50	10	N	20	<5	<20	7	<10
I22R5666	<1	<10	N	5	50	10	N	30	<5	20	15	15
I22R5676	<1	N	N	<5	50	10	N	20	<5	20	20	15
I22R5686	1	N	N	<5	50	10	N	20	N	N	7	15
I22R5697	<1	N	N	5	50	15	N	30	5	<20	15	20
I22R5707	<1	N	N	7	50	20	N	100	5	<20	20	30
I22R5717	<1	N	N	5	20	20	N	50	N	<20	15	30
I22R5727	<1	N	N	5	20	20	N	30	N	<20	10	10
I22R5737	1	N	N	7	50	50	N	100	<5	<20	15	20
I22R5747	<1	N	N	7	20	20	N	30	<5	<20	15	10
I22R5757	<1	N	N	10	50	50	N	70	<5	<20	20	15
I22R5769	1	N	N	7	70	50	N	100	<5	<20	15	50
I22R5779	<1	N	N	7	50	50	N	70	<5	<20	30	30
I22R5789	<1	N	N	7	50	50	N	50	<5	<20	20	50
I22R5799	1	N	N	10	30	30	N	50	N	N	20	30
I22R5809	1	N	N	10	50	20	30	100	N	20	20	30
I22R5819	1	N	N	10	30	15	N	100	N	N	50	30
I22R5829	<1	N	N	15	100	50	30	100	5	N	30	50
I22R5839	<1	N	N	10	20	20	N	70	7	20	30	20
I22R5849	<1	N	N	20	50	20	N	70	5	20	50	15
I22R5859	<1	N	N	10	70	15	30	100	N	<20	30	15
I22R5869	<1	N	N	15	100	50	N	100	N	<20	30	15
I22R5879	<1	N	N	10	50	10	N	70	7	<20	30	15
I22R5889	<1	N	N	7	50	50	N	50	5	<20	30	20
I22R5901	<1	N	N	10	50	20	N	70	7	20	50	10
I22R5914	1	N	N	10	50	70	N	100	N	20	50	10
I22R5924	1	N	N	20	50	30	N	100	5	20	50	15
I22R5934	<1	N	N	20	50	20	N	100	<5	<20	30	30
I22R5944	<1	N	N	15	50	70	N	100	<5	<20	30	15
I22R5954	<1	N	N	10	70	20	N	100	N	<20	30	30
I22R5964	1	N	N	10	50	20	30	150	N	<20	30	20
I22R5974	1.5	N	N	15	70	15	N	200	5	20	50	20
I22R5984	1	N	N	20	50	30	30	200	<5	<20	50	50
I22R5996	1	N	N	15	70	30	30	200	5	20	50	50
I22R6006	1	N	N	15	50	20	N	70	<5	20	30	50
I22R6016	1	N	N	20	50	50	30	70	7	20	50	20
I22R6033	1	N	N	10	70	10	30	70	<5	<20	30	30
I22R6050	2	N	N	20	70	15	30	100	<5	20	50	20
I22R6060	1	N	N	15	70	50	N	50	15	<20	50	30
I22R6070	1	N	N	7	70	20	N	100	15	<20	50	70
I22R6080	<1	N	N	5	50	10	N	100	5	<20	20	20
I22R6090	1	N	N	7	50	50	50	150	10	20	20	50
I22R6099	1	N	N	7	70	30	70	500	5	<20	20	50
I22R6119	<1	N	N	10	50	10	30	150	7	20	20	<10

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R5492	N	10	N	<100	N	100	<50	20	N	300	.16	12
I22R5502	N	N	N	<100	N	50	<50	N	<200	200	.06	12
I22R5512	N	10	N	<100	N	100	<50	15	N	300	.14	12
I22R5522	N	7	N	<100	N	100	<50	N	N	300	.1	12
I22R5532	N	<5	N	<100	N	30	<50	N	N	150	.05	12
I22R5542	N	<5	N	<100	N	50	<50	N	N	200	.06	12
I22R5552	N	7	N	<100	N	50	<50	10	N	200	.1	12
I22R5562	N	5	N	<100	N	50	<50	<10	N	150	.14	12
I22R5572	N	7	N	<100	N	50	<50	10	N	200	.08	12
I22R5582	N	5	N	<100	N	50	<50	N	N	200	.1	12
I22R5592	N	7	N	<100	N	50	<50	<10	N	300	.1	12
I22R5603	N	5	N	<100	N	50	<50	N	N	300	.06	12
I22R5616	N	10	N	<100	N	70	<50	10	N	300	.13	12
I22R5626	N	N	N	<100	N	50	<50	N	N	200	.07	12
I22R5636	N	7	N	<100	N	70	<50	N	N	200	.05	12
I22R5646	N	7	N	<100	N	70	<50	<10	N	300	.07	12
I22R5656	N	N	N	<100	N	50	<50	N	<200	200	.1	12
I22R5666	N	<5	N	<100	N	50	<50	N	N	200	.06	12
I22R5676	N	<5	N	<100	N	50	<50	N	N	300	.05	12
I22R5686	N	5	N	<100	N	30	<50	N	N	200	.05	12
I22R5697	N	5	N	500	N	70	<50	N	N	150	<.05	12
I22R5707	N	5	N	200	N	100	<50	N	N	200	.08	12
I22R5717	N	<5	N	<100	N	100	<50	N	N	200	.08	12
I22R5727	N	N	N	<100	N	50	<50	N	N	150	.06	12
I22R5737	N	5	N	<100	N	100	<50	N	N	300	<.05	12
I22R5747	N	<5	N	<100	N	100	<50	N	N	200	.05	12
I22R5757	N	5	N	<100	N	100	<50	N	N	200	.08	12
I22R5769	N	7	N	<100	N	100	<50	N	N	200	.08	12
I22R5779	N	5	N	<100	N	70	<50	N	N	200	.08	12
I22R5789	N	7	N	<100	N	70	<50	N	N	200	.08	12
I22R5799	N	7	N	200	N	50	<50	N	N	100	.1	12
I22R5809	N	10	N	<100	N	150	<50	10	N	200	.1	12
I22R5819	N	10	N	<100	N	100	<50	10	N	200	.09	12
I22R5829	N	15	N	200	N	100	<50	15	N	150	.12	12
I22R5839	N	10	N	100	N	100	<50	15	N	300	.12	12
I22R5849	N	15	N	100	N	100	<50	20	N	300	.1	12
I22R5859	N	15	N	100	N	100	<50	30	N	500	.1	12
I22R5869	N	15	N	100	N	100	<50	30	N	500	.1	12
I22R5879	N	10	N	<100	N	100	<50	20	N	500	.08	12
I22R5889	N	7	N	<100	N	100	<50	10	N	200	.1	12
I22R5901	N	10	N	<100	N	100	<50	10	N	200	.1	12
I22R5914	N	10	N	<100	N	150	<50	<10	N	300	.1	12
I22R5924	N	15	N	<100	N	150	<50	10	N	300	.12	12
I22R5934	N	10	N	<100	N	100	<50	<10	N	200	.09	12
I22R5944	N	10	N	<100	N	100	<50	<10	N	500	.06	12
I22R5954	N	10	N	<100	N	100	<50	<10	N	300	.06	12
I22R5964	N	15	N	<100	N	100	<50	15	N	300	.05	12
I22R5974	N	20	N	<100	N	150	<50	30	N	300	.06	12
I22R5984	N	15	N	<100	N	150	<50	15	N	500	.07	12
I22R5996	N	20	N	<100	N	150	<50	20	N	300	.08	12
I22R6006	N	15	N	<100	N	100	<50	15	N	500	.08	12
I22R6016	N	15	N	<100	N	150	<50	15	N	300	.08	12
I22R6033	N	15	N	<100	N	150	<50	15	N	300	.1	12
I22R6050	N	15	N	<100	N	100	<50	10	N	300	.05	12
I22R6060	N	7	N	<100	N	150	<50	N	N	300	.05	12
I22R6070	N	10	N	<100	N	100	<50	N	N	200	.06	12
I22R6080	N	<5	N	200	N	150	<50	N	N	150	<.05	12
I22R6090	N	5	N	>5,000	N	100	<50	30	1,500	1,000	.05	12
I22R6099	N	7	N	100	N	100	<50	50	N	500	.05	22
I22R6119	N	15	N	<100	N	100	<50	30	N	200	<.05	22

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I22R6129	38 11 30	87 57 0	.5	2	.7	1	N	N	N	150	500
I22R6137	38 11 30	87 57 0	.5	2	.7	.5	N	N	N	150	500
I22R6149	38 11 30	87 57 0	.3	1.5	.5	1	N	N	N	150	500
I22R6159	38 11 30	87 57 0	.5	2	.7	1	N	N	N	200	500
I22R6169	38 11 30	87 57 0	.5	2	.7	1	N	N	N	200	500
I22R6179	38 11 30	87 57 0	.7	2	.7	>1	N	N	N	200	700
I22R6189	38 11 30	87 57 0	.15	1.5	.5	.5	N	N	N	200	500
I22R6197	38 11 30	87 57 0	.2	2	.7	1	N	N	N	200	700
I22R6209	38 11 30	87 57 0	.2	2	.7	.3	N	N	N	200	500
I22R6219	38 11 30	87 57 0	.07	2	.7	.5	N	N	N	200	700
I22R6228	38 11 30	87 57 0	.05	3	.5	1	N	N	N	200	500
I22R6238	38 11 30	87 57 0	.1	2	.3	.5	N	N	N	100	500
I22R6247	38 11 30	87 57 0	<.05	2	.7	1	N	N	N	150	700
I22R6254	38 11 30	87 57 0	.07	7	1	1	N	N	N	700	700
I22R6263	38 11 30	87 57 0	.1	5	.7	.7	N	N	N	300	500
I22R6271	38 11 30	87 57 0	.1	2	.7	>1	N	N	N	500	500
I22R6279	38 11 30	87 57 0	.7	2	.7	1	N	N	N	300	500
I22R6290	38 11 30	87 57 0	1.5	5	.7	1	N	N	N	200	500
I22R6299	38 11 30	87 57 0	3	5	1	.7	N	N	N	150	700
I22R6309	38 11 30	87 57 0	5	2	1	.1	N	N	N	200	500
I22R6319	38 11 30	87 57 0	1.5	2	1	.3	N	N	N	200	700
I22R6325	38 11 30	87 57 0	2	2	1	.5	N	N	N	300	700
I22R6332	38 11 30	87 57 0	3	2	1	1	N	N	N	300	700
I22R6341	38 11 30	87 57 0	1.5	2	1	1	N	N	N	200	700
I22R6350	38 11 30	87 57 0	5	2	1	.7	N	N	N	200	700
I22R6359	38 11 30	87 57 0	3	2	1	1	N	N	N	200	700
I22R6367	38 11 30	87 57 0	5	2	1	1	N	N	N	200	500
I22R6377	38 11 30	87 57 0	3	3	1	.5	N	200	N	500	700
I22R6385	38 11 30	87 57 0	1	3	1	1	N	N	N	300	1,000
I22R6395	38 11 30	87 57 0	.7	3	1	.7	N	N	N	500	700
I22R6405	38 11 30	87 57 0	2	2	1.5	1	N	N	N	500	700
I22R6415	38 11 30	87 57 0	1	3	1	>1	N	N	N	500	700
I22R6423	38 11 30	87 57 0	1.5	10	1	>1	N	<200	N	700	700
I22R6440	38 11 30	87 57 0	.7	2	.5	1	N	N	N	500	>5,000
I22R6482	38 11 30	87 57 0	2	10	.7	.15	N	<200	N	500	500
I22R6522	38 11 30	87 57 0	.7	10	.7	.2	N	N	N	500	200
I22R6537	38 11 30	87 57 0	.7	7	1.5	.5	N	N	N	300	300
I22R6550	38 11 30	87 57 0	.5	10	1	.5	N	N	N	500	500
I22R6566	38 11 30	87 57 0	1	7	1	.5	N	N	N	500	300
I22R6581	38 11 30	87 57 0	.7	5	1	.2	N	<200	N	200	200
I22R6591	38 11 30	87 57 0	1	5	1	.3	N	300	N	300	200
I22R6606	38 11 30	87 57 0	1	2	1	.2	N	N	N	200	100
I22R6634	38 11 30	87 57 0	1.5	5	.5	.5	N	N	N	200	200
I22R6655	38 11 30	87 57 0	1	5	1	.3	N	N	N	200	200
I22R6680	38 11 30	87 57 0	7	3	1	.2	N	N	N	100	1,000
I22R6700	38 11 30	87 57 0	.5	7	1	.5	N	N	N	200	700
I22R6711	38 11 30	87 57 0	.5	10	1	.7	N	<200	N	500	700
I22R6722	38 11 30	87 57 0	.5	15	1.5	1	N	N	N	300	1,000
I22R6733	38 11 30	87 57 0	.7	5	2	.2	N	N	N	300	500
I22R6744	38 11 30	87 57 0	2	3	.7	.3	N	N	N	150	300
I22R6755	38 11 30	87 57 0	.5	5	.7	.5	N	N	N	200	500
I22R6766	38 11 30	87 57 0	.7	7	1	.5	N	N	N	200	700
I22R6777	38 11 30	87 57 0	.7	10	1	.5	N	N	N	200	700
I22R6789	38 11 30	87 57 0	1	10	1.5	.5	N	N	N	500	500
I22R6800	38 11 30	87 57 0	1	7	1.5	.5	N	N	N	150	700
I22R6810	38 11 30	87 57 0	1.5	7	1	.5	N	200	N	200	700
I22R6821	38 11 30	87 57 0	.5	10	.7	.3	N	<200	N	150	300
I22R6832	38 11 30	87 57 0	.7	5	1	.2	N	<200	N	200	500
I22R6843	38 11 30	87 57 0	.5	5	1	.2	N	N	N	150	300
I22R6854	38 11 30	87 57 0	.5	3	.5	.5	N	N	N	150	100

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R6129	2	N	N	20	70	50	100	300	<5	30	10	15
I22R6137	1	N	N	20	70	20	30	200	N	20	15	20
I22R6149	1	N	N	20	50	15	50	200	<5	30	15	20
I22R6159	1	N	N	10	50	15	50	300	N	20	10	10
I22R6169	1.5	N	N	15	50	10	100	300	N	20	10	10
I22R6179	1.5	<10	N	20	100	15	100	200	5	20	30	<10
I22R6189	1	N	N	10	50	10	50	100	<5	20	15	15
I22R6197	1	N	N	20	50	30	100	150	7	20	15	30
I22R6209	1.5	N	N	10	30	20	50	50	7	<20	15	30
I22R6219	1.5	N	N	15	50	20	50	70	15	<20	30	30
I22R6228	1	N	N	15	50	20	30	100	20	20	50	20
I22R6238	<1	N	N	5	20	20	30	30	10	<20	15	<10
I22R6247	1.5	N	N	10	50	20	50	100	7	<20	20	<10
I22R6254	2	N	N	20	100	70	50	300	5	<20	30	<10
I22R6263	1	N	N	15	100	50	N	150	<5	<20	30	<10
I22R6271	2	N	N	15	100	50	30	150	7	20	50	<10
I22R6279	2	N	N	10	70	20	30	150	7	<20	30	<10
I22R6290	1.5	N	N	20	70	20	50	100	5	<20	20	<10
I22R6299	1.5	N	N	20	70	50	100	300	N	N	30	<10
I22R6309	1.5	N	N	15	70	15	N	500	7	<20	30	20
I22R6319	1.5	N	N	20	70	15	50	200	5	20	50	15
I22R6325	1	N	N	20	100	20	50	200	<5	20	50	20
I22R6332	2	N	N	20	70	20	70	500	7	30	50	20
I22R6341	1	N	N	15	70	20	30	150	5	30	30	20
I22R6350	2	N	N	15	50	30	30	200	<5	20	30	15
I22R6359	2	N	N	20	70	30	50	200	<5	20	50	15
I22R6367	1.5	N	N	20	70	30	30	200	7	20	50	20
I22R6377	1.5	N	N	20	100	50	30	200	7	30	50	20
I22R6385	1.5	N	N	30	100	50	70	200	7	300	70	30
I22R6395	1.5	N	N	30	100	50	50	300	5	30	50	20
I22R6405	2	N	N	20	100	30	100	500	5	30	50	30
I22R6415	3	N	N	20	50	50	70	300	<5	20	30	30
I22R6423	3	N	N	30	100	50	100	500	7	30	50	50
I22R6440	1	N	N	N	70	100	30	50	<5	N	50	30
I22R6482	1	N	N	5	70	200	30	50	15	<20	100	50
I22R6522	1	N	N	5	70	200	N	100	7	<20	50	70
I22R6537	<1	N	N	5	50	100	N	100	7	<20	30	70
I22R6550	1	N	N	10	50	200	N	100	5	<20	50	50
I22R6566	1	N	N	30	50	150	N	100	7	<20	20	30
I22R6581	<1	N	N	7	50	150	N	100	5	<20	30	20
I22R6591	<1	N	N	10	70	150	N	150	5	20	30	15
I22R6606	1	N	N	5	30	70	N	50	<5	N	20	10
I22R6634	1	N	N	5	50	200	N	100	5	20	50	30
I22R6655	1	N	N	5	70	200	N	50	<5	<20	30	50
I22R6680	<1	N	N	<5	50	150	N	100	<5	<20	30	50
I22R6700	1	<10	N	50	150	700	N	200	15	<20	50	70
I22R6711	1.5	N	N	15	100	200	N	500	7	<20	50	50
I22R6722	1.5	N	N	20	150	200	N	700	15	20	70	70
I22R6733	1	N	N	30	70	150	N	100	N	<20	30	20
I22R6744	1	N	N	5	50	150	N	50	<5	<20	30	15
I22R6755	<1	N	N	7	70	150	N	500	10	N	30	50
I22R6766	<1	N	N	10	70	200	N	300	10	<20	50	50
I22R6777	<1	N	N	10	70	200	N	300	10	<20	50	20
I22R6789	<1	N	N	7	70	200	N	200	7	<20	30	30
I22R6800	<1	N	N	5	50	300	N	70	5	<20	30	50
I22R6810	<1	N	N	5	70	700	N	70	5	<20	30	50
I22R6821	<1	N	N	5	70	500	N	70	<5	<20	20	50
I22R6832	<1	N	N	7	20	100	N	20	<5	N	10	20
I22R6843	<1	N	N	<5	30	200	N	50	5	<20	10	20
I22R6854	<1	<10	N	5	50	200	N	50	<5	N	10	15

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R6129	N	20	N	<100	N	150	<50	70	N	300	.05	22
I22R6137	N	15	N	<100	N	100	<50	50	N	300	.05	22
I22R6149	N	15	N	<100	N	150	<50	50	N	300	.05	22
I22R6159	N	10	N	<100	N	150	<50	50	N	300	.05	22
I22R6169	N	10	N	150	N	150	<50	50	N	300	.06	22
I22R6179	N	20	N	<100	N	150	<50	70	N	300	.05	22
I22R6189	N	10	N	<100	N	100	<50	30	N	300	.05	22
I22R6197	N	20	N	<100	N	150	<50	50	N	300	.05	22
I22R6209	N	15	N	<100	N	150	<50	20	N	200	.05	22
I22R6219	N	20	N	<100	N	150	<50	30	N	200	.05	22
I22R6228	N	15	N	<100	N	150	<50	50	N	300	.05	22
I22R6238	N	10	N	200	N	70	<50	50	N	500	<.05	22
I22R6247	N	20	N	<100	N	200	<50	15	N	500	.08	22
I22R6254	N	30	N	<100	N	300	<50	20	200	300	.08	22
I22R6263	N	20	N	<100	N	200	<50	10	<200	300	.08	22
I22R6271	N	20	N	200	N	150	<50	15	N	500	.06	22
I22R6279	N	20	N	100	N	200	<50	15	N	300	.06	22
I22R6290	N	20	N	100	N	150	<50	20	N	200	.07	22
I22R6299	N	20	N	300	N	200	<50	50	N	150	.07	22
I22R6309	N	10	N	500	N	100	<50	15	N	100	.08	22
I22R6319	N	20	N	300	N	150	<50	15	N	200	.07	22
I22R6325	N	20	N	100	N	200	<50	20	N	200	.08	22
I22R6332	N	20	N	200	N	200	<50	30	N	300	.08	22
I22R6341	N	15	N	200	N	200	<50	20	N	200	.09	22
I22R6350	N	15	N	200	N	200	<50	20	N	200	.09	22
I22R6359	N	15	N	200	N	200	<50	20	N	300	.07	22
I22R6367	N	15	N	300	N	200	<50	15	N	200	.08	22
I22R6377	N	20	N	200	N	200	<50	50	N	300	.07	22
I22R6385	N	30	N	200	N	200	<50	50	<200	200	.07	22
I22R6395	N	30	N	<100	N	200	<50	50	<200	300	.09	22
I22R6405	N	30	N	200	N	200	<50	50	<200	300	.1	22
I22R6415	N	20	N	<100	N	200	<50	30	<200	300	.1	22
I22R6423	N	20	N	200	N	200	<50	50	<200	300	.09	22
I22R6440	N	N	N	>5,000	N	50	N	10	300	50	.06	25
I22R6482	N	<5	N	1,000	N	70	N	N	200	150	.07	25
I22R6522	N	<5	N	200	N	100	N	<10	200	300	.09	25
I22R6537	N	5	N	<100	N	100	<50	<10	N	300	.09	25
I22R6550	N	10	N	<100	N	150	<50	N	N	200	.13	26
I22R6566	N	<5	N	1,000	N	100	<50	N	N	200	.11	26
I22R6581	N	5	N	<100	N	100	<50	N	N	100	.11	26
I22R6591	N	7	N	<100	N	150	<50	N	200	200	.18	26
I22R6606	N	<5	N	<100	N	50	<50	N	N	50	.22	26
I22R6634	N	5	N	<100	N	100	<50	N	N	200	.37	26
I22R6655	N	N	N	<100	N	50	<50	N	N	100	.33	26
I22R6680	N	N	N	>5,000	N	30	<50	N	N	100	.55	26
I22R6700	N	7	N	200	N	150	<50	N	N	200	.18	26
I22R6711	N	15	N	<100	N	200	<50	N	200	300	.22	26
I22R6722	N	20	N	<100	N	200	<50	N	300	500	.25	26
I22R6733	N	5	N	700	N	70	<50	N	<200	150	.11	26
I22R6744	N	<5	N	500	N	50	<50	N	N	100	.09	26
I22R6755	N	7	N	100	N	100	<50	N	N	150	.22	26
I22R6766	N	10	N	1,500	N	150	<50	N	N	200	.29	26
I22R6777	N	15	N	1,000	N	150	<50	N	<200	200	.59	26
I22R6789	N	7	N	200	N	150	<50	N	<200	150	.95	26
I22R6800	N	<5	N	>5,000	N	100	<50	N	N	150	.59	26
I22R6810	N	N	N	5,000	N	70	<50	N	N	150		26
I22R6821	N	5	N	200	N	100	<50	N	N	100	.31	26
I22R6832	N	<5	N	200	N	50	<50	N	<200	100	.08	26
I22R6843	N	<5	N	1,000	N	100	<50	N	N	150	.11	26
I22R6854	N	N	N	<100	N	50	<50	N	N	100	.15	26

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I22R6865	38 11 30	87 57 0	.15	5	1	.5	N	N	N	100	300
I22R6876	38 11 30	87 57 0	.3	5	1	.7	N	N	N	100	300
I22R6887	38 11 30	87 57 0	.5	10	1.5	1	N	N	N	200	200
I22R6897	38 11 30	87 57 0	.5	5	1	.3	N	N	N	100	300
I22R6908	38 11 30	87 57 0	.7	15	2	>1	N	N	N	200	500
I22R6919	38 11 30	87 57 0	.7	15	2	>1	N	<200	N	150	300
I22R6930	38 11 30	87 57 0	.3	3	3	.5	N	N	N	150	200
I22R6940	38 11 30	87 57 0	.3	3	2	.5	N	N	N	150	500
I22R6952	38 11 30	87 57 0	.15	5	1	.7	N	N	N	150	700
I22R6963	38 11 30	87 57 0	.3	5	1	1	N	N	N	150	500
I22R6974	38 11 30	87 57 0	.1	5	1.5	1	N	N	N	200	300
I22R6984	38 11 30	87 57 0	.3	10	2	1	N	N	N	300	300
I22R6996	38 11 30	87 57 0	.15	2	2	.5	N	N	N	100	200
I22R7007	38 11 30	87 57 0	.5	15	1.5	1	N	N	N	100	500
I22R7020	38 11 30	87 57 0	.5	10	1.5	.7	N	N	N	200	500
I22R7033	38 11 30	87 57 0	.7	7	1	.5	.5	N	N	150	150
I22R7045	38 11 30	87 57 0	7	10	1.5	.7	N	N	N	100	500
I22R7056	38 11 30	87 57 0	.3	10	1.5	1	N	N	N	150	500
I22R7067	38 11 30	87 57 0	5	10	3	.7	N	N	N	150	300
I22R7077	38 11 30	87 57 0	1	7	2	.2	N	N	N	150	500
I22R7088	38 11 30	87 57 0	.5	5	2	.2	N	N	N	150	300
I22R7099	38 11 30	87 57 0	.5	7	1.5	.2	N	N	N	100	5,000
I22R7111	38 11 30	87 57 0	20	3	1.5	.2	N	N	N	200	2,000
I22R7121	38 11 30	87 57 0	>20	.5	1	.03	N	N	N	500	30
I22R7133	38 11 30	87 57 0	>20	.3	2	.05	N	N	N	200	150
I22R7144	38 11 30	87 57 0	>20	.7	.7	.07	N	N	N	200	200
I22R7156	38 11 30	87 57 0	>20	.5	1	.07	N	N	N	700	70
I22R7167	38 11 30	87 57 0	>20	.5	1	.07	N	N	N	500	300
I22R7178	38 11 30	87 57 0	20	1	1	.2	N	N	N	300	300
I22R7189	38 11 30	87 57 0	>20	1	.7	.2	N	N	N	200	1,000
I22R7200	38 11 30	87 57 0	>20	.7	.7	.15	N	N	N	500	500
I22R7211	38 11 30	87 57 0	>20	1	.5	.15	N	N	N	500	500
I22R7224	38 11 30	87 57 0	>20	.3	.5	.15	N	N	N	200	500
I22R7235	38 11 30	87 57 0	2	2	2	.2	N	N	N	70	5,000
I22R7247	38 11 30	87 57 0	.3	.5	.5	.1	N	N	N	50	500
I22R7258	38 11 30	87 57 0	1	1	.7	.3	N	N	N	150	500
I22R7269	38 11 30	87 57 0	1	1	2	.3	N	N	N	150	700
I22R7280	38 11 30	87 57 0	.7	1	1	.3	N	500	N	200	300
I22R7291	38 11 30	87 57 0	.2	1	.7	.5	N	300	N	100	500
I22R7302	38 11 30	87 57 0	1.5	2	1.5	.5	N	N	N	100	500
I22R7313	38 11 30	87 57 0	1	2	1.5	.5	N	N	N	100	500
I22R7324	38 11 30	87 57 0	.7	1.5	1	.5	N	N	N	100	500
I22R7334	38 11 30	87 57 0	.05	1	.3	.3	N	200	N	100	100
I22R7357	38 11 30	87 57 0	.2	2	1	1	N	N	N	150	1,000
I22R7367	38 11 30	87 57 0	1	5	.3	.2	N	200	N	150	50
I22R7520	38 11 30	87 57 0	7	1	.3	.15	N	N	N	100	150
I22R7531	38 11 30	87 57 0	.1	.07	.1	.05	N	N	N	30	20
I22R7542	38 11 30	87 57 0	1	.1	.2	.1	N	N	N	50	50
I22R7553	38 11 30	87 57 0	.15	1	1	.5	.5	N	N	150	100
I22R7565	38 11 30	87 57 0	.07	1	.5	.2	N	N	N	100	1,000
I22R7576	38 11 30	87 57 0	1	1	.7	.2	N	N	N	100	3,000
I22R7587	38 11 30	87 57 0	.7	1	1	.6	N	N	N	150	700
I22R7598	38 11 30	87 57 0	2	1	1	.5	N	N	N	150	3,000
I22R7609	38 11 30	87 57 0	.1	1	.7	.2	N	N	N	50	3,000
I22R7619	38 11 30	87 57 0	.07	1	.5	.15	N	N	N	50	2,000
I22R7631	38 11 30	87 57 0	.5	1	1	.3	N	N	N	70	3,000
I22R7644	38 11 30	87 57 0	.7	2	.7	.7	.5	N	N	70	5,000
I22R7652	38 11 30	87 57 0	.07	1.5	1	.5	N	N	N	50	2,000
I22R7663	38 11 30	87 57 0	2	1	.7	.7	N	N	N	100	2,000
I22R7674	38 11 30	87 57 0	.5	1.5	.7	.5	N	N	N	100	5,000

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R6865	<1	10	N	7	50	200	N	50	<5	N	15	20
I22R6876	<1	10	N	7	30	300	N	70	5	N	15	20
I22R6887	1	<10	N	10	70	150	N	70	5	<20	20	15
I22R6897	<1	<10	N	<5	20	100	N	30	5	N	7	30
I22R6908	<1	N	N	15	100	200	N	150	10	<20	30	15
I22R6919	<1	N	N	15	70	200	N	150	7	N	20	15
I22R6930	<1	N	N	5	30	100	N	100	<5	N	10	20
I22R6940	<1	<10	N	10	30	100	N	50	7	N	15	15
I22R6952	<1	10	N	10	50	100	N	50	10	N	20	15
I22R6963	<1	10	N	10	50	200	N	100	20	N	20	30
I22R6974	<1	<10	N	10	100	50	N	70	<5	N	15	20
I22R6984	1	N	N	10	100	100	N	70	<5	N	15	20
I22R6996	<1	N	N	5	20	100	N	20	N	N	7	10
I22R7007	<1	N	N	10	50	200	N	50	15	<20	30	20
I22R7020	<1	N	N	10	50	500	N	100	10	N	20	30
I22R7033	N	10	N	5	50	150	N	100	10	N	20	50
I22R7045	N	<10	N	15	50	500	N	50	15	N	30	30
I22R7056	N	<10	N	15	100	150	N	30	7	N	50	20
I22R7067	<1	N	N	15	100	100	N	70	5	N	30	15
I22R7077	N	10	N	20	100	50	N	100	5	N	50	20
I22R7088	N	10	N	15	100	50	N	50	15	N	50	70
I22R7099	N	10	N	10	50	50	N	20	5	N	30	15
I22R7111	N	10	N	7	20	30	N	20	15	N	20	20
I22R7121	N	<10	N	N	<10	7	N	<10	5	N	<5	N
I22R7133	N	<10	N	N	<10	5	N	<10	5	N	<5	N
I22R7144	N	<10	N	N	<10	30	N	<10	<5	N	5	N
I22R7156	N	10	N	N	<10	7	N	<10	<5	N	<5	N
I22R7167	N	10	N	N	<10	10	N	10	<5	N	<5	<10
I22R7178	N	<10	N	10	20	150	N	<10	10	<20	30	20
I22R7189	N	10	N	7	10	15	N	10	7	<20	10	15
I22R7200	N	10	N	N	<10	7	N	<10	N	<20	5	10
I22R7211	N	10	N	5	10	20	N	<10	N	N	10	10
I22R7224	N	10	N	N	10	20	N	<10	<5	N	5	15
I22R7235	N	10	N	15	20	100	N	<10	<5	N	20	50
I22R7247	<1	10	N	5	20	15	N	<10	N	<20	10	10
I22R7258	<1	10	N	10	50	100	30	<10	N	<20	20	20
I22R7269	<1	10	N	15	50	20	N	<10	<5	<20	30	50
I22R7280	1	15	N	7	50	15	N	<10	<5	N	20	15
I22R7291	1	10	N	10	50	10	N	<10	N	N	15	20
I22R7302	1	N	N	10	50	15	N	50	N	<20	20	15
I22R7313	<1	N	N	10	50	10	N	50	N	<20	20	20
I22R7324	<1	N	N	10	30	10	N	30	N	<20	30	15
I22R7334	N	N	N	7	20	10	N	20	N	<20	15	15
I22R7357	<1	N	N	15	70	30	N	50	5	<20	20	20
I22R7367	1	N	N	50	70	150	N	20	20	<20	30	20
I22R7520	N	N	N	15	50	20	N	<10	N	<20	10	<10
I22R7531	N	N	N	7	50	10	N	<10	N	<20	5	<10
I22R7542	<1	N	N	7	20	20	N	10	<5	<20	5	10
I22R7553	1	N	N	10	50	100	N	<10	5	<20	20	10
I22R7565	<1	N	N	10	20	70	N	10	<5	<20	15	10
I22R7576	<1	N	N	10	30	50	N	10	<5	<20	10	<10
I22R7587	<1	N	N	10	70	20	N	20	N	<20	20	10
I22R7598	<1	N	N	10	100	100	N	20	N	<20	15	20
I22R7609	N	N	N	7	50	10	N	10	<5	N	7	15
I22R7619	N	N	N	5	50	7	N	10	<5	N	5	15
I22R7631	<1	N	N	5	20	100	N	20	5	N	10	20
I22R7644	N	N	N	20	50	100	N	100	20	N	50	50
I22R7652	N	N	N	5	50	20	N	20	15	N	10	20
I22R7663	N	N	N	7	50	70	N	<10	<5	N	10	20
I22R7674	N	N	N	10	50	50	N	<10	N	N	10	10

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R6865	N	N	N	<100	N	100	<50	N	N	100	.13	26
I22R6876	N	N	N	<100	N	70	<50	N	N	100	.13	26
I22R6887	N	10	N	<100	N	100	<50	N	N	150	.27	26
I22R6897	N	<5	N	500	N	50	<50	N	N	100	.18	26
I22R6908	N	20	N	<100	N	200	<50	N	N	300	.25	26
I22R6919	N	15	N	<100	N	200	<50	N	N	200	.22	26
I22R6930	N	5	N	<100	N	50	<50	N	N	50	.29	26
I22R6940	N	<5	N	<100	N	50	<50	10	N	70	.25	26
I22R6952	N	5	N	<100	N	100	<50	10	N	200	.18	26
I22R6963	N	<5	N	<100	N	100	<50	N	N	200	.17	26
I22R6974	N	5	N	<100	N	100	<50	N	N	200	.23	26
I22R6984	N	5	N	<100	N	200	<50	N	<200	200	.27	26
I22R6996	N	N	N	<100	N	30	N	N	N	15	.29	26
I22R7007	N	7	N	<100	N	150	<50	N	N	200	.55	26
I22R7020	N	5	N	<100	N	100	<50	N	<200	100	.19	26
I22R7033	N	<5	N	<100	N	30	<50	N	N	100	.14	26
I22R7045	N	5	N	<100	N	100	<50	N	N	100	3.95	26
I22R7056	N	7	N	<100	N	150	<50	N	<200	150	.25	26
I22R7067	N	10	N	<100	N	150	<50	N	N	100	.21	30
I22R7077	N	10	N	200	N	150	N	N	N	100	.2	30
I22R7088	N	5	N	1,000	N	100	N	N	N	100	.25	30
I22R7099	N	5	N	>5,000	N	70	N	N	N	50	.13	30
I22R7111	N	<5	N	>5,000	N	50	N	N	N	100	.23	30
I22R7121	N	N	N	3,000	N	20	N	N	N	<10	.59	30
I22R7133	N	N	N	>5,000	N	30	N	N	N	15	.06	30
I22R7144	N	N	N	5,000	N	30	N	N	N	20	.06	30
I22R7156	N	N	N	5,000	N	50	N	N	N	20	.05	30
I22R7167	N	N	N	>5,000	N	20	N	N	N	50	.05	30
I22R7178	N	N	N	2,000	N	50	N	N	N	100	.08	30
I22R7189	N	N	N	>5,000	N	30	N	N	N	200	.05	30
I22R7200	N	N	N	>5,000	N	30	N	N	N	100	.05	30
I22R7211	N	N	N	>5,000	N	30	N	N	N	100	<.05	30
I22R7224	N	N	N	3,000	N	30	N	N	N	100	.08	30
I22R7235	N	5	N	>5,000	N	50	N	N	N	700	.19	30
I22R7247	N	<5	N	>5,000	N	50	<50	N	N	200	.06	30
I22R7258	N	N	N	1,500	N	70	<50	N	N	500	.16	30
I22R7269	N	N	N	200	N	100	<50	N	N	300	.31	30
I22R7280	N	N	N	500	N	100	<50	N	N	500	.17	30
I22R7291	N	N	N	300	N	100	<50	N	N	300	.11	30
I22R7302	N	N	N	100	N	100	<50	N	N	200	.12	30
I22R7313	N	N	N	<100	N	50	<50	N	N	200	.15	30
I22R7324	N	N	N	<100	N	100	<50	N	N	300	.06	30
I22R7334	N	N	N	<100	N	50	<50	N	N	150	.05	30
I22R7357	N	N	N	150	N	100	<50	N	N	300	.13	30
I22R7367	N	N	N	100	N	70	<50	N	<200	200	.06	30
I22R7520	N	N	N	200	N	20	<50	N	<200	100	.05	41
I22R7531	N	N	N	<100	N	20	<50	N	<200	100	<.05	41
I22R7542	N	N	N	300	N	30	<50	N	N	200	<.05	41
I22R7553	N	N	N	<100	N	100	<50	N	N	300	.14	41
I22R7565	N	N	N	500	N	50	<50	N	N	300	.08	41
I22R7576	N	N	N	>5,000	N	50	<50	N	N	300	.08	41
I22R7587	N	N	N	>5,000	N	70	<50	N	N	300	.13	41
I22R7598	N	N	N	>5,000	N	50	<50	N	N	200	.12	41
I22R7609	N	N	N	>5,000	N	30	<50	N	N	200	<.05	41
I22R7619	N	N	N	>5,000	N	20	<50	N	N	100	<.05	41
I22R7631	N	N	N	>5,000	N	50	<50	N	N	300	.06	41
I22R7644	N	10	N	>5,000	N	150	<50	N	N	300	.09	41
I22R7652	N	N	N	>5,000	N	30	<50	N	N	500	.06	41
I22R7663	N	N	N	>5,000	N	50	<50	N	N	300	.06	41
I22R7674	N	5	N	>5,000	N	50	<50	N	N	200	.07	41

TABLE 7--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I22, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I22R7683	38 11 30	87 57 0	.3	.5	.7	.3	N	N	N	70	3,000

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I22R7683	N	N	N	5	20	100	N	<10	N	N	5	10

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I22R7683	N	<5	N	>5,000	N	70	<50	N	N	200	.05	41

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R0225	37 22 0	89 20 0	<.05	1	.2	.2	N	N	N	100	200
I24R0245	37 22 0	89 20 0	.15	1.5	.3	.5	N	N	N	150	200
I24R0265	37 22 0	89 20 0	.15	2	.2	.2	N	N	N	100	150
I24R0285	37 22 0	89 20 0	.15	1	.2	.2	N	N	N	100	150
I24R0295	37 22 0	89 20 0	.07	1.5	.1	.05	N	<200	N	70	50
I24R0305	37 22 0	89 20 0	.1	1	.05	.03	N	N	N	30	100
I24R0320	37 22 0	89 20 0	.05	1	.15	.15	N	N	N	100	150
I24R0330	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	70	100
I24R0375	37 22 0	89 20 0	.05	1	.07	.1	N	N	N	50	700
I24R0395	37 22 0	89 20 0	.1	1	1	.2	N	N	N	100	100
I24R0420	37 22 0	89 20 0	.07	1	.5	.2	N	N	N	100	100
I24R0445	37 22 0	89 20 0	.3	.7	.3	.15	N	N	N	70	500
I24R0475	37 22 0	89 20 0	.2	1.5	.5	.2	N	N	N	100	200
I24R0490	37 22 0	89 20 0	.15	1	.2	.2	N	N	N	70	100
I24R0500	37 22 0	89 20 0	.5	1	.5	.2	N	N	N	100	150
I24R0515	37 22 0	89 20 0	.15	1	.5	.3	N	N	N	100	150
I24R0540	37 22 0	89 20 0	.2	2	.7	.5	N	N	N	100	150
I24R0560	37 22 0	89 20 0	.2	2	.7	.5	N	N	N	100	150
I24R0580	37 22 0	89 20 0	.2	1.5	.5	.5	N	N	N	100	300
I24R0600	37 22 0	89 20 0	.2	2	.7	.5	N	N	N	100	150
I24R0620	37 22 0	89 20 0	.1	1.5	.2	.2	N	N	N	70	50
I24R0640	37 22 0	89 20 0	1	.7	.1	.1	N	N	N	70	50
I24R0660	37 22 0	89 20 0	.3	1.5	.15	.15	N	N	N	100	100
I24R0680	37 22 0	89 20 0	.2	1	.15	.15	N	N	N	70	100
I24R0700	37 22 0	89 20 0	.1	1	.2	.2	N	N	N	70	2,000
I24R0725	37 22 0	89 20 0	.5	1.5	.5	.7	N	N	N	100	1,500
I24R0745	37 22 0	89 20 0	.15	2	.7	.5	N	N	N	150	200
I24R0760	37 22 0	89 20 0	.5	2	1	.7	N	N	N	150	200
I24R0780	37 22 0	89 20 0	.3	2	1	.7	2	N	N	150	3,000
I24R0840	37 22 0	89 20 0	.15	1.5	.7	.5	N	N	N	150	1,000
I24R0860	37 22 0	89 20 0	.05	5	1	1	N	N	N	200	300
I24R0880	37 22 0	89 20 0	2	5	1	.7	N	N	N	150	1,000
I24R0900	37 22 0	89 20 0	2	2	.2	.2	N	N	N	100	1,500
I24R0945	37 22 0	89 20 0	.15	2	.7	.5	N	N	N	150	700
I24R0965	37 22 0	89 20 0	.15	2	.5	.5	N	N	N	150	500
I24R0985	37 22 0	89 20 0	.2	2	.5	.2	N	N	N	100	500
I24R1005	37 22 0	89 20 0	.1	2	.5	.5	N	N	N	150	700
I24R1020	37 22 0	89 20 0	.1	1.5	.5	.2	N	N	N	100	1,000
I24R1040	37 22 0	89 20 0	.07	3	.7	.5	N	N	N	150	2,000
I24R1065	37 22 0	89 20 0	.2	1	.3	.2	N	N	N	100	5,000
I24R1110	37 22 0	89 20 0	.2	1.5	.3	.15	N	N	N	100	>5,000
I24R1150	37 22 0	89 20 0	.1	1	.3	.2	N	N	N	150	1,000
I24R1175	37 22 0	89 20 0	.07	1.5	.7	.3	N	N	N	100	1,000
I24R1205	37 22 0	89 20 0	.15	1	.5	.3	N	N	N	100	3,000
I24R1230	37 22 0	89 20 0	.2	.7	.1	.2	N	N	N	100	1,500
I24R1300	37 22 0	89 20 0	.1	1	.7	.3	N	N	N	150	1,000
I24R1390	37 22 0	89 20 0	.1	1.5	.7	.5	N	N	N	150	200
I24R1500	37 22 0	89 20 0	.15	2	1	.5	N	N	N	150	150
I24R1510	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	200	200
I24R1520	37 22 0	89 20 0	.05	1.5	.5	.1	N	N	N	100	200
I24R1530	37 22 0	89 20 0	.05	1	.3	.15	N	N	N	100	150
I24R1540	37 22 0	89 20 0	.05	2	.7	.3	N	N	N	150	200
I24R1550	37 22 0	89 20 0	<.05	.7	.15	.15	N	N	N	100	150
I24R1560	37 22 0	89 20 0	.05	1	.5	.2	N	N	N	300	200
I24R1580	37 22 0	89 20 0	.05	.5	.2	.1	N	N	N	100	100
I24R1590	37 22 0	89 20 0	.05	.7	.2	.15	N	N	N	100	100
I24R1600	37 22 0	89 20 0	<.05	.2	.05	.03	N	N	N	30	20
I24R1610	37 22 0	89 20 0	<.05	.5	.15	.1	N	N	N	100	50
I24R1620	37 22 0	89 20 0	.15	1	.5	.2	N	N	N	200	50
I24R1630	37 22 0	89 20 0	<.05	.5	.15	.1	N	N	N	100	20

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R0225	1	N	N	<5	50	20	N	50	N	N	10	15
I24R0245	1	N	N	15	70	100	N	30	<5	<20	70	50
I24R0265	1	N	N	5	100	20	50	30	<5	<20	20	50
I24R0285	1	N	N	<5	30	15	<20	30	5	N	15	50
I24R0295	N	N	N	<5	10	7	<20	15	15	N	15	10
I24R0305	N	N	N	N	10	70	N	10	10	N	7	30
I24R0320	<1	N	N	<5	30	10	<20	20	5	N	15	30
I24R0330	<1	N	N	<5	20	10	<20	10	<5	N	10	50
I24R0375	N	N	N	<5	15	10	N	10	<5	N	10	30
I24R0395	1	N	N	7	50	30	N	50	<5	<20	30	50
I24R0420	1	N	N	5	50	30	N	50	5	N	30	50
I24R0445	1	N	N	N	20	15	<20	15	<5	N	7	10
I24R0475	<1	N	N	5	50	30	N	50	<5	N	15	20
I24R0490	<1	N	N	<5	20	15	N	20	<5	N	10	70
I24R0500	1	N	N	<5	50	20	N	70	<5	N	10	50
I24R0515	1	N	N	10	30	20	N	50	<5	N	15	30
I24R0540	1	N	N	7	100	50	N	100	10	N	50	20
I24R0560	1	N	N	7	100	70	N	70	7	N	70	50
I24R0580	1	N	N	5	100	50	N	50	7	N	20	20
I24R0600	1	N	N	<5	50	20	N	100	5	N	50	20
I24R0620	<1	N	N	<5	50	20	N	50	<5	N	20	30
I24R0640	<1	N	N	N	15	10	N	30	N	N	10	<10
I24R0660	<1	N	N	N	20	20	N	70	10	N	50	30
I24R0680	<1	N	N	N	20	7	N	20	<5	N	10	15
I24R0700	<1	N	N	7	30	30	N	50	<5	N	15	20
I24R0725	<1	N	N	7	50	20	N	100	<5	<20	30	30
I24R0745	<1	N	N	10	70	30	N	100	7	N	50	20
I24R0760	1	N	N	10	70	20	N	100	7	<20	70	30
I24R0780	1	N	N	10	70	30	N	100	10	N	100	30
I24R0840	1	N	N	10	100	30	N	70	7	N	50	30
I24R0860	<1	N	N	10	100	30	N	100	5	N	50	30
I24R0880	<1	N	N	10	100	30	N	100	7	N	50	50
I24R0900	1	N	N	N	50	20	N	50	10	N	30	700
I24R0945	1	N	N	10	100	50	N	100	7	N	50	50
I24R0965	1	N	N	10	100	50	N	150	7	<20	50	50
I24R0985	1	N	N	7	100	50	N	100	7	N	50	50
I24R1005	N	N	N	10	70	50	N	100	10	<20	70	200
I24R1020	<1	N	N	5	100	30	N	100	7	<20	50	200
I24R1040	N	N	N	10	100	70	N	100	20	<20	100	1,000
I24R1065	<1	N	N	<5	50	20	N	70	7	N	20	30
I24R1110	<1	N	N	<5	50	15	N	70	7	N	15	50
I24R1150	<1	N	N	<5	50	15	N	50	7	N	20	30
I24R1175	N	N	N	5	50	30	N	100	5	N	50	30
I24R1205	N	N	N	N	30	20	N	50	<5	N	20	20
I24R1230	N	N	N	N	20	10	N	50	<5	N	20	20
I24R1300	1	N	N	5	100	15	N	50	10	N	30	20
I24R1390	1	N	N	10	100	30	<20	50	15	N	30	30
I24R1500	1	N	N	15	100	50	N	50	15	<20	50	50
I24R1510	1	N	N	10	50	100	N	50	7	N	20	10
I24R1520	1	N	N	<5	20	20	N	20	<5	N	15	15
I24R1530	<1	N	N	N	20	30	N	15	<5	N	15	<10
I24R1540	<1	N	N	7	50	50	N	30	10	N	20	15
I24R1550	N	N	N	N	20	20	N	10	5	N	10	<10
I24R1560	<1	N	N	5	50	30	N	50	5	N	20	10
I24R1580	<1	N	N	N	20	50	N	20	<5	N	15	3,000
I24R1590	N	N	N	<5	20	30	N	20	<5	N	15	100
I24R1600	N	N	N	N	10	20	N	<10	<5	N	10	10
I24R1610	N	N	N	N	15	20	N	10	<5	N	15	10
I24R1620	<1	N	N	10	200	70	N	20	5	N	50	30
I24R1630	N	N	N	N	20	30	N	10	<5	N	10	<10

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R0225	N	10	N	200	N	70	<50	10	<200	100	.08	25
I24R0245	N	10	N	200	N	100	<50	10	N	100	.12	25
I24R0265	N	7	N	150	N	100	<50	10	<200	100	.08	25
I24R0285	N	7	N	100	N	70	<50	10	N	100	<.05	25
I24R0295	N	N	<10	200	N	30	<50	N	N	30	<.05	25
I24R0305	N	N	N	300	N	15	<50	N	<200	20	<.05	25
I24R0320	N	5	10	100	N	50	100	<10	N	70	<.05	25
I24R0330	N	<5	30	300	N	50	<50	10	<200	70	<.05	25
I24R0375	N	<5	N	200	N	30	<50	<10	<200	50	<.05	25
I24R0395	N	7	N	150	N	70	<50	10	N	150	.14	26
I24R0420	N	7	N	100	N	50	<50	<10	<200	100	.17	26
I24R0445	N	5	N	150	N	50	<50	N	N	50	.1	26
I24R0475	N	5	N	100	N	50	<50	<10	N	100	.13	26
I24R0490	N	<5	N	100	N	50	<50	<10	1,000	100	.12	26
I24R0500	N	5	N	200	N	50	<50	<10	<200	50	.1	26
I24R0515	N	5	N	150	N	50	<50	<10	N	100	.13	26
I24R0540	N	7	N	<100	N	50	<50	<10	<200	100	.43	26
I24R0560	N	7	N	<100	N	50	200	<10	<200	100	.19	26
I24R0580	N	5	N	<100	N	50	100	10	<200	100	.55	26
I24R0600	N	5	N	100	N	70	<50	<10	N	70	.39	26
I24R0620	N	5	N	<100	N	20	<50	<10	N	100	.17	26
I24R0640	N	<5	N	<100	N	30	50	<10	N	50	.79	26
I24R0660	N	5	N	<100	N	50	50	<10	<200	50	.4	26
I24R0680	N	N	N	<100	N	50	<50	<10	200	50	.08	26
I24R0700	N	5	N	200	N	50	200	<10	<200	70	.08	26
I24R0725	N	7	N	150	N	70	<50	<10	N	100	.35	26
I24R0745	N	10	N	100	N	100	<50	<10	1,000	70	.22	26
I24R0760	N	10	N	100	N	100	<50	10	200	100	.75	26
I24R0780	N	10	N	150	N	100	<50	<10	N	100	.33	26
I24R0840	N	7	N	100	N	100	<50	<10	N	150	.27	26
I24R0860	N	10	N	<100	N	100	<50	<10	N	100	.25	26
I24R0880	N	7	N	<100	N	100	<50	<10	N	100	.43	26
I24R0900	N	5	N	200	N	50	<50	N	200	100	1.19	26
I24R0945	N	7	N	200	N	100	200	<10	<200	100	.27	30
I24R0965	N	7	N	5,000	N	100	<50	<10	<200	100	.23	30
I24R0985	N	7	N	5,000	N	100	<50	<10	<200	50	.19	30
I24R1005	N	7	N	>5,000	N	100	<50	<10	500	70	.2	30
I24R1020	N	7	N	>5,000	N	70	<50	<10	N	200	.19	30
I24R1040	N	10	N	>5,000	N	100	<50	<10	300	150	.25	30
I24R1065	N	5	N	>5,000	N	50	200	<10	<200	50	.37	30
I24R1110	N	5	N	>5,000	N	50	<50	<10	<200	50	.13	30
I24R1150	N	5	N	>5,000	N	50	<50	<10	N	200	.13	30
I24R1175	N	5	N	>5,000	N	50	<50	<10	N	500	.24	30
I24R1205	N	5	N	>5,000	N	50	<50	<10	N	300	.2	30
I24R1230	N	5	N	>5,000	N	50	<50	<10	N	200	.27	30
I24R1300	N	7	N	>5,000	N	100	<50	<10	N	300	.21	30
I24R1390	N	5	N	500	N	100	<50	<10	N	200	.16	31
I24R1500	N	7	N	100	N	100	<50	<10	N	200	.13	43
I24R1510	N	5	N	100	N	50	<50	N	300	200	<.05	43
I24R1520	N	<5	N	100	N	30	<50	N	N	100	<.05	43
I24R1530	N	<5	N	100	N	50	<50	N	N	150	<.05	43
I24R1540	N	5	N	N	N	70	<50	N	N	200	.14	43
I24R1550	N	<5	N	<100	N	20	<50	N	N	200	<.05	43
I24R1560	N	5	N	<100	N	50	<50	N	N	300	.07	43
I24R1580	N	<5	N	<100	N	50	<50	N	N	150	<.05	43
I24R1590	N	<5	N	N	N	30	<50	N	N	150	<.05	43
I24R1600	N	N	N	<100	N	20	<50	N	N	100	<.05	43
I24R1610	N	N	N	<100	N	30	<50	N	N	150	<.05	43
I24R1620	N	5	N	<100	N	70	<50	N	<200	150	.09	43
I24R1630	N	N	N	N	N	15	<50	N	N	50	<.05	43

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R1640	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	200	200
I24R1650	37 22 0	89 20 0	.05	.1	.07	.03	N	N	N	50	100
I24R1660	37 22 0	89 20 0	.15	.5	.2	.02	N	N	N	70	70
I24R1670	37 22 0	89 20 0	.3	.7	.5	.03	N	N	N	50	150
I24R1680	37 22 0	89 20 0	.1	1.5	.3	.15	N	N	N	150	200
I24R1690	37 22 0	89 20 0	.05	1	.2	.1	N	N	N	100	100
I24R1700	37 22 0	89 20 0	<.05	.2	.05	.03	N	N	N	50	<20
I24R1710	37 22 0	89 20 0	<.05	1.5	.5	.2	N	N	N	200	200
I24R1720	37 22 0	89 20 0	.05	1	.3	.1	N	N	N	100	100
I24R1730	37 22 0	89 20 0	.05	.1	.07	.03	N	N	N	50	N
I24R1740	37 22 0	89 20 0	.07	1	.2	.1	N	N	N	100	100
I24R1750	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	150	300
I24R1760	37 22 0	89 20 0	<.05	1	.15	.1	N	N	N	100	150
I24R1770	37 22 0	89 20 0	.05	2	.5	.2	N	N	N	200	1,000
I24R1780	37 22 0	89 20 0	<.05	1.5	.3	.15	N	N	N	100	700
I24R1790	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	200	700
I24R1800	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	100	500
I24R1810	37 22 0	89 20 0	<.05	1.5	.5	.2	N	N	N	150	500
I24R1820	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	150	1,000
I24R1830	37 22 0	89 20 0	<.05	1	.15	.1	N	N	N	100	200
I24R1840	37 22 0	89 20 0	.05	1.5	.7	.2	N	N	N	200	700
I24R1850	37 22 0	89 20 0	.07	1.5	.5	.2	N	N	N	100	1,000
I24R1870	37 22 0	89 20 0	.07	1.5	.5	.2	N	N	N	100	1,500
I24R1880	37 22 0	89 20 0	.05	1	.5	.1	N	N	N	50	1,000
I24R1890	37 22 0	89 20 0	.05	.7	.5	.15	N	N	N	70	300
I24R1900	37 22 0	89 20 0	<.05	.1	.03	.02	N	N	N	20	50
I24R1910	37 22 0	89 20 0	<.05	1	.1	.1	N	N	N	70	150
I24R1920	37 22 0	89 20 0	<.05	1	.2	.2	N	N	N	100	300
I24R1930	37 22 0	89 20 0	<.05	1	.15	.1	N	N	N	50	200
I24R1940	37 22 0	89 20 0	<.05	1	.2	.15	N	N	N	100	200
I24R1950	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	100	200
I24R1960	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	100	500
I24R1970	37 22 0	89 20 0	<.05	1	.2	.1	N	N	N	50	200
I24R1980	37 22 0	89 20 0	<.05	.7	.7	.05	N	N	N	100	500
I24R2000	37 22 0	89 20 0	.05	.2	.15	.07	N	N	N	100	200
I24R2010	37 22 0	89 20 0	.1	.5	.2	.1	N	N	N	70	300
I24R2020	37 22 0	89 20 0	<.05	.2	.1	.07	N	N	N	70	100
I24R2030	37 22 0	89 20 0	.05	1	.3	.15	N	N	N	100	300
I24R2040	37 22 0	89 20 0	.5	1	.1	.05	N	N	N	100	100
I24R2050	37 22 0	89 20 0	<.05	.7	.5	.1	N	N	N	100	1,500
I24R2060	37 22 0	89 20 0	.05	1	.5	.1	N	N	N	100	300
I24R2070	37 22 0	89 20 0	.05	1	.7	.15	N	N	N	100	200
I24R2080	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	100	200
I24R2090	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	150	300
I24R2100	37 22 0	89 20 0	.1	1	.5	.2	N	N	N	100	150
I24R2110	37 22 0	89 20 0	.1	1	.7	.2	N	N	N	150	500
I24R2120	37 22 0	89 20 0	.07	1.5	.7	.2	N	N	N	100	300
I24R2130	37 22 0	89 20 0	2	1.5	2	.15	N	N	N	200	300
I24R2140	37 22 0	89 20 0	3	1.5	2	.2	N	N	N	200	500
I24R2150	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	200	300
I24R2160	37 22 0	89 20 0	.5	2	1.5	.2	N	N	N	200	500
I24R2170	37 22 0	89 20 0	.05	5	1	.3	N	N	N	200	500
I24R2180	37 22 0	89 20 0	.1	5	1	.3	N	N	N	300	500
I24R2190	37 22 0	89 20 0	.05	2	.5	.2	N	N	N	150	300
I24R2200	37 22 0	89 20 0	10	3	10	.2	N	N	N	150	200
I24R2210	37 22 0	89 20 0	.05	5	1	.5	N	N	N	200	500
I24R2220	37 22 0	89 20 0	.07	1.5	.5	.2	N	N	N	150	200
I24R2230	37 22 0	89 20 0	.05	3	.7	.3	N	N	N	150	500
I24R2240	37 22 0	89 20 0	.05	5	1.5	.3	N	N	N	300	300
I24R2260	37 22 0	89 20 0	.2	3	1.5	.3	N	N	N	200	500

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R1640	1	N	N	10	50	70	N	20	5	N	15	20
I24R1650	N	N	N	N	20	15	N	10	<5	N	7	1,000
I24R1660	N	N	N	30	15	50	N	10	10	N	7	2,000
I24R1670	N	<10	N	50	15	500	N	20	10	N	10	>20,000
I24R1680	<1	N	N	20	50	700	N	50	15	N	15	2,000
I24R1690	N	N	N	30	20	70	N	50	15	N	15	700
I24R1700	N	N	N	5	<10	15	N	<10	5	N	<5	50
I24R1710	<1	N	N	15	50	300	N	15	15	N	20	200
I24R1720	N	N	N	7	20	200	N	20	10	N	10	200
I24R1730	N	N	N	10	<10	20	N	<10	<5	N	10	200
I24R1740	N	N	N	20	20	1,000	N	20	10	N	20	500
I24R1750	1	N	N	5	50	70	N	30	15	N	20	150
I24R1760	<1	N	N	10	50	50	N	20	10	N	10	150
I24R1770	1	N	N	5	150	100	N	50	20	N	50	50
I24R1780	<1	N	N	5	30	100	N	20	15	N	20	50
I24R1790	N	N	N	10	50	300	N	30	15	N	20	200
I24R1800	N	N	N	5	70	50	N	30	20	N	30	70
I24R1810	<1	N	N	<5	50	50	N	30	15	N	20	30
I24R1820	<1	N	N	<5	30	700	N	30	15	N	20	30
I24R1830	N	N	N	<5	20	200	N	20	10	N	15	150
I24R1840	1	N	N	5	50	50	N	50	15	N	20	100
I24R1850	N	N	N	<5	50	50	N	50	10	N	20	50
I24R1870	N	N	N	20	30	100	N	50	15	N	15	1,000
I24R1880	N	N	N	N	20	50	N	30	10	N	15	100
I24R1890	N	N	N	N	20	30	N	20	10	N	10	20
I24R1900	N	N	N	N	15	10	N	N	<5	N	5	N
I24R1910	N	N	N	N	10	20	N	10	5	N	10	20
I24R1920	1	N	N	N	50	50	N	20	10	N	10	15
I24R1930	N	N	N	N	20	20	N	10	50	N	5	<10
I24R1940	N	N	N	<5	50	100	N	20	20	N	10	10
I24R1950	N	N	N	5	30	100	N	20	15	N	15	20
I24R1960	N	N	N	<5	30	100	N	15	7	N	10	10
I24R1970	N	N	N	<5	20	100	N	10	10	N	10	10
I24R1980	N	N	N	<5	10	50	N	<10	<5	N	5	70
I24R2000	N	N	N	N	10	100	N	10	<5	N	7	<10
I24R2010	N	N	N	<5	15	700	N	10	7	N	10	15
I24R2020	N	N	N	N	20	150	N	<10	5	N	15	10
I24R2030	N	N	N	5	20	200	N	15	15	N	15	20
I24R2040	N	N	N	<5	10	50	N	<10	10	N	15	<10
I24R2050	N	N	N	5	20	70	N	10	15	N	15	<10
I24R2060	N	N	N	<5	20	50	N	10	5	N	15	<10
I24R2070	N	N	N	5	20	70	N	15	7	N	20	20
I24R2080	N	N	N	<5	20	500	N	20	10	N	15	15
I24R2090	<1	N	N	<5	20	50	N	10	7	N	15	50
I24R2100	N	N	N	<5	20	30	N	15	15	N	15	<10
I24R2110	<1	N	N	<5	20	50	N	20	15	N	15	150
I24R2120	<1	N	N	5	20	30	N	10	30	N	15	150
I24R2130	1	N	N	10	50	50	N	50	20	N	15	50
I24R2140	1	N	N	7	70	50	N	50	20	N	20	10
I24R2150	1	N	N	N	20	50	N	15	10	N	7	700
I24R2160	1	N	N	10	50	50	N	30	20	N	20	3,000
I24R2170	<1	N	N	20	70	700	N	50	50	<20	50	7,000
I24R2180	1.5	N	N	15	100	70	N	50	50	<20	50	50
I24R2190	<1	N	N	<5	20	20	N	20	20	N	20	20
I24R2200	N	N	N	5	20	100	N	50	20	N	20	100
I24R2210	1	N	N	7	50	70	N	50	100	<20	50	50
I24R2220	1	N	N	N	30	50	N	20	20	N	15	10
I24R2230	1	N	N	5	50	100	N	20	20	N	30	70
I24R2240	1	N	N	5	50	100	N	30	20	<20	30	50
I24R2260	2	N	N	7	70	50	N	30	20	N	30	100

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R1640	N	5	N	100	N	50	<50	N	N	150	.08	43
I24R1650	N	N	N	<100	N	15	<50	N	N	20	<.05	43
I24R1660	N	N	N	N	N	30	<50	N	<200	20	.06	43
I24R1670	N	N	N	N	N	30	<50	N	2,000	30	--	43
I24R1680	N	<5	N	1,000	N	100	50	N	1,500	150	.07	43
I24R1690	N	N	N	<100	N	50	<50	N	<200	100	<.05	43
I24R1700	N	N	N	N	N	30	N	N	N	50	.06	43
I24R1710	N	5	N	N	N	100	N	N	N	150	.15	43
I24R1720	N	<5	N	N	N	30	<50	N	N	100	.05	43
I24R1730	N	N	N	N	N	15	<50	N	N	50	<.05	43
I24R1740	N	<5	N	<100	N	50	50	N	1,000	100	.05	43
I24R1750	N	5	N	100	N	50	<50	N	N	150	.11	43
I24R1760	N	5	N	N	N	50	70	N	N	150	.11	43
I24R1770	N	5	N	>5,000	N	70	N	N	N	150	.15	43
I24R1780	N	5	N	>5,000	N	50	N	N	N	150	.08	43
I24R1790	N	<5	N	2,000	N	50	N	N	N	150	.1	43
I24R1800	N	5	N	1,000	N	50	<50	N	N	200	.12	43
I24R1810	N	5	N	1,500	N	50	<50	N	N	200	.1	43
I24R1820	N	5	N	2,000	N	50	<50	N	N	200	.12	43
I24R1830	N	<5	N	1,500	N	50	<50	N	N	150	.06	43
I24R1840	N	5	N	>5,000	N	50	N	N	N	200	.18	43
I24R1850	N	<5	N	>5,000	N	50	N	N	N	150	.17	43
I24R1870	N	5	N	>5,000	N	50	<50	N	N	200	--	43
I24R1880	N	5	N	>5,000	N	30	<50	N	200	100	--	44
I24R1890	N	<5	N	>5,000	N	50	<50	N	N	200	.08	44
I24R1900	N	N	N	500	N	<10	<50	N	N	100	<.05	44
I24R1910	N	<5	N	2,000	N	20	<50	N	N	150	.05	44
I24R1920	N	<5	N	5,000	N	30	N	N	N	300	.11	44
I24R1930	N	<5	N	5,000	N	30	<50	N	N	200	.1	44
I24R1940	N	<5	N	2,000	N	50	<50	N	N	200	.11	44
I24R1950	N	<5	N	200	N	100	<50	N	N	200	.07	44
I24R1960	N	<5	N	500	N	70	<50	N	N	500	.05	44
I24R1970	N	<5	N	700	N	50	<50	N	N	200	<.05	44
I24R1980	N	<5	N	5,000	N	10	N	N	N	50	.11	44
I24R2000	N	<5	N	1,000	N	20	<50	N	N	200	<.05	44
I24R2010	N	N	N	500	N	30	<50	N	N	200	<.05	44
I24R2020	N	N	N	200	N	20	<50	N	N	100	<.05	44
I24R2030	N	<5	N	200	N	30	<50	N	N	150	<.05	44
I24R2040	N	<5	N	150	N	20	<50	N	N	50	<.05	44
I24R2050	N	<5	N	300	N	30	<50	N	N	100	.06	44
I24R2060	N	<5	N	200	N	30	<50	N	N	100	.06	44
I24R2070	N	<5	N	1,000	N	50	<50	N	N	100	.08	44
I24R2080	N	<5	N	5,000	N	50	<50	N	N	150	.07	44
I24R2090	N	<5	N	5,000	N	50	<50	N	N	200	.07	44
I24R2100	N	N	N	1,000	N	50	<50	N	N	100	<.05	44
I24R2110	N	<5	N	>5,000	N	50	<50	N	N	100	.09	44
I24R2120	N	5	N	2,000	N	50	<50	N	N	100	.13	44
I24R2130	N	5	30	700	N	50	<50	N	N	100	.15	44
I24R2140	N	5	N	200	N	50	<50	N	N	150	.11	44
I24R2150	N	5	N	200	N	30	<50	N	N	150	.17	44
I24R2160	N	5	N	500	N	50	<50	N	N	100	.16	44
I24R2170	N	5	N	200	N	100	<50	15	N	300	.16	44
I24R2180	N	7	N	300	N	150	<50	15	N	500	.21	44
I24R2190	N	<5	N	<100	N	50	<50	N	N	150	.06	44
I24R2200	N	<5	N	100	N	50	<50	<10	N	100	.06	44
I24R2210	N	10	N	200	N	100	<50	15	N	500	.17	44
I24R2220	N	<5	N	<100	N	70	N	N	N	150	.14	44
I24R2230	N	5	N	100	N	100	<50	<10	5,000	200	.12	44
I24R2240	N	7	N	100	N	100	<50	15	N	200	.2	44
I24R2260	N	7	N	200	N	100	N	10	N	200	.2	44

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. S	Fe-pct. S	Mg-pct. S	Ti-pct. S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
I24R2270	37 22 0	89 20 0	<.05	2	.7	.3	N	N	N	200	300
I24R2280	37 22 0	89 20 0	.05	5	1.5	.3	N	N	N	200	500
I24R2290	37 22 0	89 20 0	<.05	.15	.2	.05	N	N	N	100	20
I24R2300	37 22 0	89 20 0	.05	.5	.3	.07	N	N	N	100	50
I24R2310	37 22 0	89 20 0	.07	1	.5	.2	N	N	N	200	200
I24R2320	37 22 0	89 20 0	.1	1.5	1	.2	N	N	N	300	300
I24R2330	37 22 0	89 20 0	.1	1.5	1	.2	N	N	N	300	200
I24R2340	37 22 0	89 20 0	.1	3	2	.3	N	N	N	300	500
I24R2350	37 22 0	89 20 0	.05	2	1	.15	N	N	N	200	100
I24R2360	37 22 0	89 20 0	.05	5	1	.2	N	N	N	300	300
I24R2370	37 22 0	89 20 0	.7	3	2	.2	N	N	N	300	200
I24R2380	37 22 0	89 20 0	.2	5	2	.2	N	N	N	300	100
I24R2390	37 22 0	89 20 0	.05	.5	.7	.2	N	N	N	300	50
I24R2400	37 22 0	89 20 0	<.05	.7	.5	.15	N	N	N	300	50
I24R2410	37 22 0	89 20 0	.15	.7	.5	.15	N	N	N	200	70
I24R2420	37 22 0	89 20 0	.1	1	.7	.2	N	N	N	200	50
I24R2430	37 22 0	89 20 0	.1	1	.7	.15	N	N	N	200	30
I24R2440	37 22 0	89 20 0	.07	1	.7	.15	N	N	N	300	50
I24R2450	37 22 0	89 20 0	.1	2	2	.2	N	N	N	300	300
I24R2460	37 22 0	89 20 0	.07	1	1	.15	N	N	N	300	150
I24R2470	37 22 0	89 20 0	<.05	1	1	.15	N	N	N	300	100
I24R2480	37 22 0	89 20 0	.05	1	1	.2	N	N	N	200	150
I24R2490	37 22 0	89 20 0	.05	1	1.5	.2	N	N	N	300	200
I24R2500	37 22 0	89 20 0	.05	1.5	1	.2	N	N	N	200	150
I24R2510	37 22 0	89 20 0	.05	1.5	1	.2	N	N	N	200	100
I24R2520	37 22 0	89 20 0	.05	1	1	.15	N	N	N	200	50
I24R2530	37 22 0	89 20 0	.05	1	1.5	.15	N	N	N	200	50
I24R2540	37 22 0	89 20 0	.05	1	1	.1	N	N	N	200	30
I24R2550	37 22 0	89 20 0	.1	2	2	.2	N	N	N	200	200
I24R2560	37 22 0	89 20 0	.1	2	1.5	.2	N	N	N	200	100
I24R2570	37 22 0	89 20 0	.05	1.5	1	.15	N	N	N	200	100
I24R2580	37 22 0	89 20 0	.1	2	2	.2	N	<200	N	300	100
I24R2590	37 22 0	89 20 0	.05	1.5	1.5	.15	N	N	N	200	70
I24R2600	37 22 0	89 20 0	.05	1	1	.15	N	N	N	200	200
I24R2610	37 22 0	89 20 0	.05	1	1	.15	N	N	N	200	150
I24R2620	37 22 0	89 20 0	.07	2	2	.3	N	N	N	300	150
I24R2630	37 22 0	89 20 0	.05	1.5	1.5	.2	N	N	N	200	100
I24R2640	37 22 0	89 20 0	.05	1	1	.15	N	N	N	200	100
I24R2650	37 22 0	89 20 0	.05	1	1	.2	N	N	N	200	100
I24R2660	37 22 0	89 20 0	.05	1.5	1.5	.2	N	N	N	200	100
I24R2680	37 22 0	89 20 0	.05	1.5	1	.2	N	N	N	200	100
I24R2690	37 22 0	89 20 0	.05	.5	.5	.1	N	N	N	100	150
I24R2710	37 22 0	89 20 0	<.05	2	1	.2	N	N	N	200	300
I24R2720	37 22 0	89 20 0	.1	2	.7	.2	N	N	N	200	300
I24R2730	37 22 0	89 20 0	.1	2	1	.2	N	N	N	200	500
I24R2740	37 22 0	89 20 0	.1	3	1	.3	N	N	N	200	500
I24R2750	37 22 0	89 20 0	<.05	1.5	.7	.15	N	N	N	150	300
I24R2760	37 22 0	89 20 0	<.05	1	.5	.15	N	N	N	200	300
I24R2770	37 22 0	89 20 0	.05	2	1	.3	N	N	N	200	500
I24R2780	37 22 0	89 20 0	.05	2	1	.2	N	N	N	150	500
I24R2790	37 22 0	89 20 0	<.05	2	.7	.2	N	N	N	150	500
I24R2810	37 22 0	89 20 0	.05	2	1	.3	N	N	N	200	500
I24R2820	37 22 0	89 20 0	.05	2	1	.2	N	N	N	200	200
I24R2830	37 22 0	89 20 0	<.05	2	1.5	.2	N	N	N	200	300
I24R2840	37 22 0	89 20 0	.05	1.5	.5	.2	N	N	N	100	500
I24R2850	37 22 0	89 20 0	.1	1.5	.5	.15	N	N	N	100	500
I24R2860	37 22 0	89 20 0	.7	2	.5	.15	N	N	N	150	300
I24R2870	37 22 0	89 20 0	.1	2	.5	.2	N	N	N	150	500
I24R2880	37 22 0	89 20 0	.05	2	.7	.2	N	N	N	10	300
I24R2890	37 22 0	89 20 0	.05	2	1	.2	N	N	N	100	300

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R2270	1.5	N	N	5	50	50	N	30	30	N	30	50
I24R2280	1	N	N	10	50	100	N	30	50	N	20	50
I24R2290	1	N	N	N	<10	10	N	N	<5	N	<5	N
I24R2300	1	N	N	N	<10	20	N	10	<5	N	5	N
I24R2310	1.5	N	N	N	20	70	N	20	15	N	15	500
I24R2320	1.5	N	N	5	20	50	N	30	20	N	15	200
I24R2330	1	N	N	5	15	50	N	20	15	N	20	70
I24R2340	1.5	N	N	7	20	100	<20	30	30	<20	30	100
I24R2350	1	N	N	<5	10	50	N	<10	15	N	15	200
I24R2360	1	N	N	5	50	100	N	30	50	<20	20	200
I24R2370	1.5	<10	N	<5	15	150	50	30	20	<20	10	15,000
I24R2380	1.5	<10	N	5	20	150	50	50	20	N	15	5,000
I24R2390	1.5	N	N	N	10	20	N	<10	5	N	7	150
I24R2400	1.5	N	N	N	15	30	N	<10	7	N	10	200
I24R2410	1	N	N	5	<10	30	N	15	7	N	30	5,000
I24R2420	1	N	N	N	<10	20	N	<10	10	<20	20	5,000
I24R2430	1	N	N	N	10	20	N	15	10	<20	10	50
I24R2440	1.5	N	N	N	<10	20	N	10	10	N	7	50
I24R2450	1	N	N	5	70	50	N	20	30	<20	20	1,000
I24R2460	1.5	N	N	N	10	20	N	15	10	N	10	150
I24R2470	1	N	N	N	10	150	N	15	10	N	10	50
I24R2480	1.5	N	N	N	15	50	N	15	15	N	30	100
I24R2490	1	N	N	N	15	50	N	15	15	<20	20	100
I24R2500	1	<10	N	N	10	50	N	15	10	N	10	10,000
I24R2510	1	N	N	N	15	150	N	15	15	<20	15	2,000
I24R2520	1	N	N	N	10	100	N	10	7	N	10	1,000
I24R2530	1	N	N	<5	10	150	N	15	7	N	10	5,000
I24R2540	1	N	N	N	10	150	N	15	5	N	7	200
I24R2550	<1	<10	N	<5	15	150	N	15	20	<20	15	700
I24R2560	<1	<10	N	N	15	70	N	20	10	<20	10	200
I24R2570	1	N	N	N	<10	50	N	10	5	N	10	50
I24R2580	<1	N	N	5	15	70	N	20	15	20	10	300
I24R2590	<1	N	N	N	<10	70	N	10	10	N	10	100
I24R2600	1.5	N	N	<5	10	20	N	10	7	<20	7	200
I24R2610	1	N	N	N	10	20	N	10	7	<20	15	150
I24R2620	1.5	<10	N	5	20	50	N	20	15	20	10	100
I24R2630	1	N	N	<5	20	20	N	15	10	<20	10	100
I24R2640	1	N	N	<5	20	20	N	15	7	<20	10	50
I24R2650	1	<10	N	<5	20	15	N	15	7	<20	20	70
I24R2660	1	<10	N	<5	20	150	N	20	10	N	10	700
I24R2680	1	<10	N	<5	15	30	N	20	5	<20	10	50
I24R2690	1	N	N	N	10	15	N	20	<5	N	10	50
I24R2710	1	N	N	5	50	50	N	15	10	N	20	50
I24R2720	1	N	N	<5	50	50	N	20	15	N	20	50
I24R2730	1	N	N	<5	50	30	N	20	15	N	20	200
I24R2740	1	N	N	5	50	150	N	20	20	N	30	300
I24R2750	<1	N	N	<5	50	50	N	30	5	N	10	150
I24R2760	1	N	N	<5	50	70	N	15	5	N	10	30
I24R2770	<1	N	N	5	70	70	N	50	15	N	20	500
I24R2780	<1	N	N	N	70	70	N	30	10	N	30	100
I24R2790	<1	N	N	<5	50	50	N	20	10	N	20	20
I24R2810	1	N	N	5	70	100	N	15	10	N	20	70
I24R2820	<1	N	N	5	50	50	N	15	20	N	15	100
I24R2830	1	N	N	5	50	50	N	15	20	N	15	150
I24R2840	1	N	N	5	20	70	N	10	15	N	20	30
I24R2850	1	N	N	<5	30	70	N	15	15	N	20	50
I24R2860	1	N	N	<5	30	70	N	15	15	N	20	50
I24R2870	1	N	N	<5	50	100	N	20	20	N	30	70
I24R2880	1	N	N	5	50	100	N	20	15	N	20	50
I24R2890	1	N	N	5	50	100	N	20	20	N	20	70

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R2270	N	5	N	100	N	100	<50	10	N	150	.15	44
I24R2280	N	7	N	200	N	100	<50	15	N	300	.16	44
I24R2290	N	<5	N	N	N	50	N	N	N	70	.37	44
I24R2300	N	<5	N	N	N	50	N	N	N	50	.31	44
I24R2310	N	5	N	100	N	100	N	10	N	200	.25	44
I24R2320	N	7	N	300	N	100	<50	15	N	300	.29	44
I24R2330	N	7	N	200	N	100	<50	15	N	200	.29	44
I24R2340	N	10	N	1,000	N	100	<50	20	N	500	.33	44
I24R2350	N	7	N	<100	N	50	<50	15	N	200	.43	44
I24R2360	N	7	N	100	N	100	<50	20	N	200	.33	44
I24R2370	N	10	N	5,000	N	50	<50	30	N	300	--	44
I24R2380	N	10	N	1,000	N	50	<50	50	N	300	.51	44
I24R2390	N	7	N	3,000	N	30	N	15	N	200	.51	44
I24R2400	N	5	N	500	N	50	N	10	N	100	.37	44
I24R2410	N	5	N	1,500	N	20	<50	<10	N	200	.11	44
I24R2420	N	5	N	1,000	N	20	N	10	N	300	.22	44
I24R2430	N	7	N	200	N	30	N	15	N	200	.29	44
I24R2440	N	7	N	500	N	30	N	20	N	200	.43	44
I24R2450	N	10	<10	700	N	30	<50	20	N	300	.43	44
I24R2460	N	10	N	500	N	30	N	20	N	200	.39	44
I24R2470	N	7	N	200	N	30	N	15	N	200	.39	44
I24R2480	N	10	N	200	N	30	N	20	N	300	.41	44
I24R2490	N	10	N	2,000	N	30	N	20	N	300	.41	44
I24R2500	N	10	N	200	N	30	<50	20	N	200	--	44
I24R2510	N	10	N	200	N	30	N	20	N	200	.37	44
I24R2520	N	10	N	200	N	20	N	20	N	200	.43	44
I24R2530	N	7	N	<100	N	20	N	20	N	200	.39	44
I24R2540	N	7	N	500	N	30	N	20	N	200	.43	44
I24R2550	N	15	10	>5,000	N	50	<50	30	N	500	.43	44
I24R2560	N	10	N	700	N	30	50	20	N	200	.43	44
I24R2570	N	5	N	100	N	20	N	15	N	150	.39	44
I24R2580	N	15	10	150	N	30	<50	30	N	500	.51	44
I24R2590	N	7	N	100	N	30	<50	15	N	200	.39	44
I24R2600	N	10	N	3,000	N	30	N	20	N	200	.47	44
I24R2610	N	7	N	100	N	30	N	20	N	200	.47	44
I24R2620	N	20	N	500	N	50	<50	30	N	700	.51	44
I24R2630	N	10	N	150	N	30	<50	20	N	150	.43	44
I24R2640	N	10	N	100	N	30	N	20	N	200	.43	44
I24R2650	N	10	N	200	N	30	<50	20	N	150	.39	44
I24R2660	N	10	N	100	N	50	<50	30	N	200	.39	44
I24R2680	N	7	N	2,000	N	20	<50	20	N	200	.43	44
I24R2690	N	5	N	150	N	20	N	10	N	150	.25	44
I24R2710	N	5	N	500	N	50	<50	<10	N	150	.16	44
I24R2720	N	<5	N	100	N	30	<50	<10	N	150	.11	44
I24R2730	N	5	N	100	N	30	<50	10	N	150	.15	44
I24R2740	N	5	N	100	N	50	<50	<10	N	150	.11	44
I24R2750	N	<5	N	100	N	30	100	<10	N	100	.15	44
I24R2760	N	5	N	100	N	50	<50	N	N	150	.15	44
I24R2770	N	7	N	100	N	50	<50	10	N	150	.14	44
I24R2780	N	7	N	100	N	30	<50	15	N	300	.11	44
I24R2790	N	5	N	100	N	50	<50	N	N	200	.07	44
I24R2810	N	7	N	100	N	50	<50	N	N	200	.08	44
I24R2820	N	7	N	500	N	50	<50	15	N	150	.13	44
I24R2830	N	5	N	200	N	50	<50	10	N	200	.11	44
I24R2840	N	5	N	<100	N	50	<50	N	N	150	.06	44
I24R2850	N	<5	N	<100	N	30	<50	N	N	150	.05	44
I24R2860	N	<5	N	<100	N	20	<50	N	N	150	.06	44
I24R2870	N	5	N	<100	N	20	<50	N	N	300	.06	44
I24R2880	N	<5	N	<100	N	50	<50	N	N	150	.06	44
I24R2890	N	5	N	<100	N	50	<50	10	N	150	.1	44

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I24R2900	37 22 0	89 20 0	.05	2	.7	.2	N	N	N	100	500
I24R2910	37 22 0	89 20 0	.05	1.5	.5	.15	N	N	N	100	300
I24R2920	37 22 0	89 20 0	.05	5	1	.3	N	N	N	500	500
I24R2930	37 22 0	89 20 0	.05	5	.5	.15	N	N	N	100	700
I24R2950	37 22 0	89 20 0	.15	3	.5	.15	N	N	N	150	500
I24R2960	37 22 0	89 20 0	.15	5	.7	.2	N	N	N	150	500
I24R2980	37 22 0	89 20 0	.15	3	.3	.1	N	N	N	100	500
I24R2990	37 22 0	89 20 0	.05	7	1	.2	N	N	N	200	700
I24R3000	37 22 0	89 20 0	.07	7	.5	.15	<.5	N	N	150	700
I24R3010	37 22 0	89 20 0	.07	10	.5	.1	N	N	N	100	500
I24R3020	37 22 0	89 20 0	<.05	2	.7	.2	N	N	N	150	500
I24R3040	37 22 0	89 20 0	<.05	1	.5	.2	N	N	N	100	500
I24R3050	37 22 0	89 20 0	.05	1.5	.3	.2	N	N	N	50	300
I24R3060	37 22 0	89 20 0	.05	1.5	.3	.2	N	N	N	100	500
I24R3070	37 22 0	89 20 0	<.05	2	.3	.2	N	N	N	100	700
I24R3080	37 22 0	89 20 0	<.05	2	.5	.3	N	N	N	150	500
I24R3090	37 22 0	89 20 0	.1	2	.3	.3	N	N	N	100	700
I24R3100	37 22 0	89 20 0	<.05	2	.5	.3	N	N	N	150	500
I24R3110	37 22 0	89 20 0	<.05	3	.3	.2	N	N	N	150	200
I24R3120	37 22 0	89 20 0	.05	2	.3	.3	N	N	N	100	300
I24R3130	37 22 0	89 20 0	.15	2	.5	.3	N	N	N	100	1,000
I24R3140	37 22 0	89 20 0	<.05	3	.2	.3	N	N	N	150	300
I24R3150	37 22 0	89 20 0	.07	1	.15	.1	N	N	N	70	200
I24R3170	37 22 0	89 20 0	<.05	2	.15	.2	N	N	N	50	1,000
I24R3180	37 22 0	89 20 0	<.05	3	.5	.3	5	N	N	150	500
I24R3190	37 22 0	89 20 0	<.05	2	.3	.2	1	N	N	100	700
I24R3200	37 22 0	89 20 0	<.05	3	.2	.15	N	<200	N	100	300
I24R3210	37 22 0	89 20 0	.1	1.5	.2	.1	N	N	N	100	150
I24R3220	37 22 0	89 20 0	>20	1	>10	.03	N	N	N	50	30
I24R3270	37 22 0	89 20 0	.2	1.5	.1	.1	N	<200	N	100	200
I24R3280	37 22 0	89 20 0	.7	2	1	.3	N	N	N	200	300
I24R3290	37 22 0	89 20 0	<.05	20	.1	.07	N	2,000	N	200	300
I24R3300	37 22 0	89 20 0	<.05	20	.1	.05	N	1,000	N	70	100
I24R3310	37 22 0	89 20 0	<.05	20	.15	.05	N	1,000	N	50	200
I24R3320	37 22 0	89 20 0	<.05	7	.15	.1	N	500	N	200	300
I24R3330	37 22 0	89 20 0	<.05	5	.2	.15	N	300	N	150	300
I24R3340	37 22 0	89 20 0	.05	10	.2	.15	N	500	N	150	300
I24R3350	37 22 0	89 20 0	<.05	5	.15	.2	N	500	N	100	300
I24R3360	37 22 0	89 20 0	<.05	15	.15	.15	N	700	N	100	200
I24R3370	37 22 0	89 20 0	<.05	5	.3	.2	N	300	N	100	300
I24R3380	37 22 0	89 20 0	.05	2	.3	.2	N	<200	N	100	500
I24R3390	37 22 0	89 20 0	.07	2	.3	.3	N	N	N	100	300
I24R3410	37 22 0	89 20 0	<.05	3	.3	.3	N	N	N	100	500
I24R3420	37 22 0	89 20 0	.05	3	.3	.2	N	N	N	100	300
I24R3430	37 22 0	89 20 0	.05	3	.2	.2	N	N	N	100	500
I24R3440	37 22 0	89 20 0	.05	3	.3	.3	N	N	N	100	300
I24R3450	37 22 0	89 20 0	.05	5	.3	.2	.7	N	N	100	300
I24R3460	37 22 0	89 20 0	.05	3	.3	.3	N	N	N	100	300
I24R3470	37 22 0	89 20 0	.07	2	.3	.2	N	N	N	100	300
I24R3480	37 22 0	89 20 0	.05	3	.2	.2	N	N	N	70	500
I24R3490	37 22 0	89 20 0	<.05	5	.2	.3	N	N	N	100	500
I24R3500	37 22 0	89 20 0	<.05	3	.3	.2	N	N	N	100	500
I24R3510	37 22 0	89 20 0	<.05	5	.3	.3	N	N	N	150	300
I24R3520	37 22 0	89 20 0	<.05	3	.5	.5	N	N	N	200	300
I24R3530	37 22 0	89 20 0	<.05	3	.2	.3	N	N	N	100	300
I24R3540	37 22 0	89 20 0	<.05	3	.3	.2	N	N	N	100	500
I24R3550	37 22 0	89 20 0	.07	2	.2	.3	N	N	N	100	200
I24R3560	37 22 0	89 20 0	.07	5	.3	.5	N	N	N	100	500
I24R3570	37 22 0	89 20 0	.05	5	.5	.5	N	N	N	100	500
I24R3580	37 22 0	89 20 0	.07	2	.5	.5	N	N	N	100	700

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R2900	1	N	N	5	50	100	N	20	20	N	20	70
I24R2910	1	N	N	5	30	50	N	15	15	N	15	100
I24R2920	1.5	N	N	5	50	70	N	20	30	N	20	50
I24R2930	1	N	N	7	50	100	N	30	30	N	50	100
I24R2950	1	N	N	<5	50	200	N	30	20	N	20	70
I24R2960	1	N	N	5	50	200	N	50	20	<20	30	70
I24R2980	1	N	N	<5	50	200	N	15	15	N	20	50
I24R2990	1	N	N	15	70	300	N	30	20	N	50	70
I24R3000	1	<10	N	5	50	100	N	30	30	<20	50	>20,000
I24R3010	<1	N	N	5	30	50	N	50	50	N	20	5,000
I24R3020	1.5	N	N	<5	50	20	N	20	7	N	20	200
I24R3040	1.5	N	N	<5	50	20	N	100	5	N	70	100
I24R3050	1	N	N	<5	50	70	N	50	10	N	20	50
I24R3060	1	N	N	5	50	50	N	50	10	N	20	30
I24R3070	<1	N	N	<5	30	30	N	20	7	N	100	100
I24R3080	1.5	N	N	7	50	100	N	30	50	N	50	50
I24R3090	1	N	N	5	50	30	N	200	30	<20	30	1,000
I24R3100	1	N	N	7	70	150	N	100	20	<20	50	150
I24R3110	1	N	N	5	50	30	N	20	20	N	30	150
I24R3120	1	N	N	5	70	50	N	20	30	<20	30	500
I24R3130	1	N	N	5	70	50	N	50	20	N	15	1,000
I24R3140	1	N	N	5	50	20	N	20	30	N	20	500
I24R3150	<1	N	N	N	10	10	N	20	10	N	7	300
I24R3170	1	N	N	<5	30	150	N	50	15	N	20	100
I24R3180	<1	N	N	5	50	70	N	30	20	N	50	100
I24R3190	1	N	N	5	50	100	N	100	15	N	30	2,000
I24R3200	<1	N	N	<5	15	100	N	100	100	N	30	1,500
I24R3210	1	N	N	<5	10	15	N	30	15	N	10	200
I24R3220	N	N	N	N	10	20	N	70	20	N	5	1,000
I24R3270	<1	N	N	<5	10	15	N	15	20	N	7	50
I24R3280	1.5	N	N	7	70	30	N	20	20	N	20	70
I24R3290	<1	N	N	7	10	20	N	10	300	N	50	100
I24R3300	N	N	N	N	<10	20	N	20	100	N	15	70
I24R3310	N	N	N	N	15	30	N	30	100	N	15	50
I24R3320	1	N	N	<5	20	20	N	15	100	N	10	20
I24R3330	<1	N	N	N	20	70	N	10	50	N	15	50
I24R3340	<1	N	N	<5	20	50	N	10	70	N	15	100
I24R3350	N	N	N	N	20	30	N	20	50	N	10	20
I24R3360	N	N	N	5	200	30	N	20	150	N	15	70
I24R3370	1	N	N	<5	30	50	N	15	50	N	10	50
I24R3380	<1	N	N	5	50	50	N	15	15	N	20	1,500
I24R3390	1	N	N	<5	50	30	N	15	15	N	20	200
I24R3410	<1	N	N	5	50	30	N	20	20	N	20	1,000
I24R3420	1	N	N	<5	30	100	N	20	30	N	20	300
I24R3430	1	N	N	5	50	70	N	20	15	N	20	300
I24R3440	1	N	N	5	30	50	<20	15	10	<20	20	300
I24R3450	1	N	N	7	30	70	N	15	15	N	20	500
I24R3460	1	N	N	<5	50	50	N	30	20	<20	20	100
I24R3470	N	10	N	<5	20	150	N	10	10	N	15	10,000
I24R3480	N	N	N	<5	20	70	N	20	15	N	20	500
I24R3490	<1	N	N	7	50	50	N	30	20	N	30	200
I24R3500	<1	N	N	5	50	150	N	70	200	N	30	700
I24R3510	1	N	N	5	50	20	N	30	20	N	30	50
I24R3520	1	N	N	5	50	70	N	30	20	N	30	30
I24R3530	<1	N	N	<5	20	20	N	10	20	N	15	20
I24R3540	<1	N	N	<5	30	50	N	15	30	N	15	50
I24R3550	<1	N	N	<5	30	50	N	15	15	N	15	100
I24R3560	<1	N	N	5	50	70	N	20	100	N	20	1,000
I24R3570	<1	N	N	5	30	50	N	20	20	N	20	100
I24R3580	<1	N	N	<5	50	70	N	15	15	N	15	30

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R2900	N	5	N	300	N	50	<50	N	N	200	.09	44
I24R2910	N	<5	N	<100	N	20	<50	N	N	150	.05	44
I24R2920	N	5	N	100	N	100	<50	N	N	300	.13	44
I24R2930	N	5	N	100	N	30	<50	N	N	200	<.05	44
I24R2950	N	5	N	<100	N	30	<50	N	N	200	<.05	44
I24R2960	N	7	N	100	N	50	<50	10	200	200	.11	44
I24R2980	N	N	N	100	N	20	<50	N	N	100	.06	44
I24R2990	N	7	N	150	N	50	<50	<10	N	150	.13	44
I24R3000	N	5	N	150	N	30	150	<10	N	200	.06	44
I24R3010	N	<5	N	<100	N	20	1,000	N	N	150	.06	44
I24R3020	N	<5	N	100	N	50	<50	N	N	100	.1	44
I24R3040	N	5	N	100	N	50	<50	<10	N	500	.08	44
I24R3050	N	<5	N	100	N	20	<50	<10	N	150	.08	44
I24R3060	N	N	N	100	N	30	<50	<10	N	150	.08	44
I24R3070	N	N	N	100	N	30	<50	N	N	200	.07	44
I24R3080	N	5	N	100	N	50	<50	<10	N	100	.12	44
I24R3090	N	5	N	150	N	50	<50	10	N	200	.07	44
I24R3100	N	5	N	150	N	70	<50	<10	N	100	.08	44
I24R3110	N	<5	N	100	N	70	<50	N	N	100	.08	44
I24R3120	N	5	N	100	N	50	<50	<10	N	150	.08	44
I24R3130	N	<5	N	150	N	30	<50	10	N	200	.05	44
I24R3140	N	<5	N	100	N	30	<50	<10	N	100	.05	44
I24R3150	N	N	N	<100	N	10	<50	N	N	100	<.05	44
I24R3170	N	N	N	<100	N	20	<50	<10	N	100	<.05	44
I24R3180	N	<5	N	<100	N	50	<50	<10	N	100	.08	44
I24R3190	N	<5	N	<100	N	50	200	10	N	150	.06	44
I24R3200	N	<5	N	100	N	20	<50	10	N	100	.06	44
I24R3210	N	<5	N	150	N	20	<50	<10	N	100	<.05	44
I24R3220	N	<5	N	150	N	<10	N	N	N	<10	<.05	44
I24R3270	N	N	N	100	N	15	<50	10	N	100	<.05	44
I24R3280	N	<5	N	<100	N	70	<50	10	N	50	.09	44
I24R3290	N	N	N	N	N	10	<50	10	N	70	<.05	44
I24R3300	N	N	N	N	N	10	<50	N	N	50	--	44
I24R3310	N	N	N	N	N	10	<50	N	N	100	--	44
I24R3320	N	N	N	N	N	20	<50	<10	N	100	.05	44
I24R3330	N	<5	N	N	N	20	<50	<10	N	100	<.05	44
I24R3340	N	N	N	<100	N	20	<50	<10	<200	70	<.05	44
I24R3350	N	N	N	200	N	15	N	N	N	100	<.05	44
I24R3360	N	N	N	<100	N	15	100	<10	200	100	<.05	44
I24R3370	N	<5	N	<100	N	20	<50	<10	N	100	.07	44
I24R3380	N	N	N	150	N	20	<50	<10	N	100	<.05	44
I24R3390	N	N	N	100	N	30	<50	N	N	100	.05	44
I24R3410	N	<5	N	300	N	20	N	<10	N	100	.06	44
I24R3420	N	<5	N	1,000	N	30	N	N	N	200	.09	44
I24R3430	N	N	N	100	N	20	<50	<10	N	150	.05	44
I24R3440	N	<5	N	100	N	20	<50	10	N	100	.06	44
I24R3450	N	N	N	150	N	30	<50	N	N	100	.05	44
I24R3460	N	<5	N	1,500	N	30	<50	<10	N	100	.07	44
I24R3470	N	N	N	300	N	20	<50	<10	N	150	<.05	44
I24R3480	N	N	N	100	N	15	<50	N	N	200	<.05	44
I24R3490	N	N	N	>5,000	N	30	<50	<10	N	150	--	44
I24R3500	N	<5	N	100	N	20	<50	N	N	200	--	44
I24R3510	N	<5	N	<100	N	30	<50	N	N	150	<.05	44
I24R3520	N	N	N	N	N	30	<50	<10	N	150	<.05	44
I24R3530	N	N	N	N	N	20	<50	N	N	150	<.05	44
I24R3540	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R3550	N	N	N	100	N	20	<50	N	N	50	<.05	44
I24R3560	N	5	N	200	N	30	<50	<10	N	100	<.05	44
I24R3570	N	<5	N	100	N	30	<50	<10	N	150	.06	44
I24R3580	N	<5	N	150	N	50	<50	<10	N	100	<.05	44

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R3590	37 22 0	89 20 0	.1	3	.2	.2	N	N	N	50	1,000
I24R3600	37 22 0	89 20 0	<.05	1.5	.3	.2	N	N	N	100	1,000
I24R3610	37 22 0	89 20 0	.05	1.5	.3	.2	N	N	N	100	1,000
I24R3620	37 22 0	89 20 0	.07	2	.2	.2	N	N	N	100	700
I24R3630	37 22 0	89 20 0	.05	3	.3	.2	N	N	N	100	700
I24R3640	37 22 0	89 20 0	<.05	5	.3	.2	N	N	N	100	500
I24R3650	37 22 0	89 20 0	.1	2	.3	.3	N	N	N	100	500
I24R3660	37 22 0	89 20 0	<.05	5	.2	.2	N	N	N	50	700
I24R3670	37 22 0	89 20 0	.05	10	.3	.2	<.5	N	N	100	700
I24R3680	37 22 0	89 20 0	<.05	7	.5	.5	N	N	N	100	700
I24R3690	37 22 0	89 20 0	.1	10	.5	.5	N	N	N	100	1,000
I24R3700	37 22 0	89 20 0	.05	2	.2	.3	N	N	N	70	1,000
I24R3710	37 22 0	89 20 0	.05	5	.5	.7	N	N	N	100	700
I24R3720	37 22 0	89 20 0	.15	5	.3	.2	N	N	N	70	300
I24R3730	37 22 0	89 20 0	<.05	2	.2	.1	N	N	N	70	200
I24R3740	37 22 0	89 20 0	.05	2	.2	.2	.7	N	N	100	500
I24R3750	37 22 0	89 20 0	.05	3	.3	.2	N	N	N	70	500
I24R3760	37 22 0	89 20 0	<.05	1.5	.1	.2	N	N	N	50	1,000
I24R3770	37 22 0	89 20 0	<.05	2	.07	.1	N	N	N	70	500
I24R3780	37 22 0	89 20 0	<.05	2	.07	.1	N	N	N	50	300
I24R3790	37 22 0	89 20 0	<.05	1.5	.07	.1	N	N	N	70	500
I24R3800	37 22 0	89 20 0	<.05	2	.1	.1	N	N	N	100	300
I24R3810	37 22 0	89 20 0	<.05	2	.1	.15	N	N	N	100	500
I24R3820	37 22 0	89 20 0	<.05	1.5	.1	.2	N	N	N	100	700
I24R3830	37 22 0	89 20 0	.05	1.5	.1	.15	N	N	N	70	500
I24R3840	37 22 0	89 20 0	<.05	1	.05	.1	N	N	N	100	300
I24R3850	37 22 0	89 20 0	<.05	.5	.05	.1	N	N	N	50	150
I24R3860	37 22 0	89 20 0	<.05	1	.05	.2	N	N	N	50	700
I24R3870	37 22 0	89 20 0	<.05	.2	.02	.03	7	N	N	30	200
I24R3880	37 22 0	89 20 0	<.05	1.5	.2	.2	N	N	N	100	300
I24R3890	37 22 0	89 20 0	<.05	.2	.03	.05	N	N	N	50	300
I24R3900	37 22 0	89 20 0	<.05	.3	.05	.1	N	N	N	50	500
I24R3910	37 22 0	89 20 0	<.05	.7	.15	.15	N	N	N	100	300
I24R3920	37 22 0	89 20 0	<.05	.5	.05	.07	N	N	N	50	500
I24R3930	37 22 0	89 20 0	<.05	1	.07	.2	N	N	N	50	500
I24R3940	37 22 0	89 20 0	<.05	1.5	.3	.2	N	N	N	100	500
I24R3960	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	100	300
I24R3970	37 22 0	89 20 0	.05	1	.2	.3	N	N	N	100	500
I24R3980	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	70	500
I24R3990	37 22 0	89 20 0	.05	1	.1	.2	N	N	N	100	500
I24R4000	37 22 0	89 20 0	<.05	1.7	.1	.2	N	<200	N	100	300
I24R4010	37 22 0	89 20 0	<.05	.7	.07	.2	10	N	N	70	500
I24R4020	37 22 0	89 20 0	<.05	1	.1	.3	N	N	N	100	500
I24R4030	37 22 0	89 20 0	.05	.7	.07	.15	N	N	N	50	500
I24R4040	37 22 0	89 20 0	<.05	.5	.05	.1	N	N	N	50	300
I24R4050	37 22 0	89 20 0	<.05	1	.15	.2	N	N	N	100	500
I24R4060	37 22 0	89 20 0	.15	1	.1	.2	N	N	N	100	300
I24R4070	37 22 0	89 20 0	<.05	1	.15	.3	N	N	N	100	500
I24R4080	37 22 0	89 20 0	<.05	1	.1	.3	N	N	N	100	500
I24R4090	37 22 0	89 20 0	<.05	2	.1	.2	N	N	N	100	300
I24R4100	37 22 0	89 20 0	.05	10	.2	.1	.5	700	N	100	300
I24R4110	37 22 0	89 20 0	<.05	1.5	.05	.1	.7	N	N	100	150
I24R4120	37 22 0	89 20 0	<.05	2	.15	.3	<.5	N	N	100	300
I24R4130	37 22 0	89 20 0	<.05	1	.1	.1	N	N	N	70	150
I24R4140	37 22 0	89 20 0	<.05	.5	.05	.07	N	N	N	70	200
I24R4150	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	100	500
I24R4160	37 22 0	89 20 0	.05	1.5	.1	.2	N	N	N	70	200
I24R4170	37 22 0	89 20 0	.05	1.5	.15	.2	N	N	N	70	300
I24R4180	37 22 0	89 20 0	.05	1.5	.15	.5	N	N	N	100	500
I24R4190	37 22 0	89 20 0	<.05	1.5	.2	.3	N	N	N	100	500

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R3590	N	N	N	<5	30	10	N	10	20	N	7	50
I24R3600	<1	N	N	<5	50	15	N	10	7	N	7	30
I24R3610	<1	N	N	<5	30	15	N	20	10	N	10	50
I24R3620	<1	N	N	<5	50	20	N	20	15	N	10	70
I24R3630	<1	N	N	<5	50	20	N	15	20	N	15	50
I24R3640	1	N	N	<5	50	30	N	15	15	<20	20	50
I24R3650	1	N	N	<5	50	20	N	15	10	N	20	30
I24R3660	<1	N	N	<5	50	30	N	20	10	N	30	50
I24R3670	<1	N	N	5	50	100	N	30	15	N	30	50
I24R3680	<1	N	N	<5	50	50	N	20	15	N	50	100
I24R3690	<1	N	N	<5	70	20	N	30	15	N	30	100
I24R3700	<1	N	N	<5	50	20	N	<10	10	N	20	20
I24R3710	1	N	N	5	70	30	N	30	20	N	15	20
I24R3720	1	N	N	<5	20	15	N	20	20	N	15	20
I24R3730	<1	N	N	<5	20	20	N	10	10	N	10	15
I24R3740	N	N	N	<5	20	200	N	10	10	N	10	15
I24R3750	<1	N	N	<5	50	15	N	15	10	N	10	15
I24R3760	N	N	N	<5	20	10	N	<10	5	N	7	20
I24R3770	N	N	N	N	15	20	N	<10	10	N	7	50
I24R3780	N	N	N	N	20	15	N	<10	15	N	10	20
I24R3790	N	N	N	N	15	15	N	<10	10	N	15	20
I24R3800	<1	N	N	5	15	30	N	10	10	N	30	30
I24R3810	N	N	N	7	20	50	N	10	15	N	50	50
I24R3820	N	N	N	<5	20	50	N	10	15	N	30	50
I24R3830	N	N	N	<5	20	70	N	10	15	N	30	50
I24R3840	N	N	N	<5	15	15	N	<10	10	N	30	20
I24R3850	N	N	N	<5	10	10	N	<10	5	N	7	10
I24R3860	N	N	N	<5	20	10	N	<10	7	N	7	10
I24R3870	N	N	N	<5	10	7	N	<10	<5	N	5	10
I24R3880	<1	N	N	<5	20	50	N	10	15	N	15	15
I24R3890	N	N	N	<5	10	10	N	<10	5	N	5	<10
I24R3900	N	N	N	<5	10	20	N	<10	7	N	5	15
I24R3910	N	N	N	<5	20	20	N	<10	15	N	10	20
I24R3920	N	N	N	<5	10	70	N	<10	5	N	<5	<10
I24R3930	N	N	N	<5	20	30	N	10	10	N	15	20
I24R3940	N	N	N	<5	20	50	N	15	20	N	15	50
I24R3960	N	N	N	<5	20	70	N	10	15	N	10	20
I24R3970	<1	N	N	<5	50	70	N	15	10	N	15	50
I24R3980	N	N	N	N	50	50	N	10	7	N	10	10
I24R3990	N	N	N	N	20	70	N	15	10	N	10	15
I24R4000	N	N	N	<5	30	100	N	10	10	N	20	20
I24R4010	N	N	N	N	10	20	N	<10	5	N	7	20
I24R4020	N	N	N	<5	20	50	N	10	7	N	15	20
I24R4030	N	N	N	<5	15	20	N	50	7	N	7	10
I24R4040	N	N	N	N	10	15	N	<10	5	N	5	10
I24R4050	N	N	N	<5	20	100	N	10	10	N	20	100
I24R4060	<1	N	N	<5	20	20	N	150	7	N	10	20
I24R4070	<1	N	N	<5	30	30	N	100	7	N	20	20
I24R4080	<1	N	N	<5	30	70	N	150	7	N	20	20
I24R4090	<1	N	N	<5	20	30	N	70	10	N	15	20
I24R4100	<1	N	N	7	500	50	N	20	200	N	50	1,500
I24R4110	<1	N	N	N	15	20	N	<10	7	N	10	15
I24R4120	1	N	N	5	20	50	N	50	10	N	30	20
I24R4130	<1	N	N	<5	10	200	N	<10	10	N	15	10
I24R4140	N	N	N	<5	10	10	N	<10	5	N	5	<10
I24R4150	N	N	N	<5	15	70	N	10	10	N	15	20
I24R4160	<1	N	N	5	20	50	N	20	10	N	20	20
I24R4170	N	N	N	<5	20	70	N	15	10	N	20	30
I24R4180	N	N	N	5	150	70	N	10	10	N	20	30
I24R4190	N	N	N	5	10	50	N	10	10	N	15	30

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R3590	N	N	N	200	N	20	<50	<10	N	300	<.05	44
I24R3600	N	N	N	150	N	50	<50	<10	N	200	<.05	44
I24R3610	N	N	N	100	N	50	<50	<10	N	300	<.05	44
I24R3620	N	N	N	100	N	20	<50	<10	N	200	<.05	44
I24R3630	N	N	N	100	N	50	<50	<10	N	200	<.05	44
I24R3640	N	N	N	100	N	50	<50	<10	N	150	<.05	44
I24R3650	N	N	N	<100	N	50	<50	<10	N	150	<.05	44
I24R3660	N	N	N	200	N	30	<50	<10	N	500	<.05	44
I24R3670	N	N	N	100	N	20	<50	<10	N	300	<.05	44
I24R3680	N	N	N	100	N	50	<50	<10	N	100	.05	44
I24R3690	N	N	N	200	N	50	<50	10	N	300	<.05	44
I24R3700	N	N	N	100	N	15	<50	N	N	200	<.05	44
I24R3710	N	N	N	100	N	70	<50	N	N	100	<.05	44
I24R3720	N	N	N	100	N	50	<50	N	N	100	<.05	44
I24R3730	N	N	N	100	N	50	<50	N	N	70	<.05	44
I24R3740	N	N	N	100	N	50	<50	N	N	200	<.05	44
I24R3750	N	N	N	150	N	50	<50	<10	N	200	<.05	44
I24R3760	N	N	N	150	N	15	<50	<10	N	300	<.05	44
I24R3770	N	N	N	<100	N	20	<50	N	300	200	<.05	44
I24R3780	N	N	N	<100	N	20	<50	N	N	300	<.05	44
I24R3790	N	N	N	<100	N	20	<50	N	N	500	<.05	44
I24R3800	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R3810	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R3820	N	N	N	<100	N	30	<50	<10	N	300	<.05	44
I24R3830	N	N	N	<100	N	20	<50	N	N	300	.05	44
I24R3840	N	N	N	<100	N	15	<50	N	N	200	<.05	44
I24R3850	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R3860	N	N	N	<100	N	15	<50	<10	N	300	<.05	44
I24R3870	N	N	N	<100	N	10	<50	<10	N	150	<.05	44
I24R3880	N	N	N	<100	N	30	<50	N	N	150	<.05	44
I24R3890	N	N	N	<100	N	10	<50	<10	N	150	<.05	44
I24R3900	N	N	N	<100	N	15	<50	N	N	500	<.05	44
I24R3910	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R3920	N	N	N	<100	N	15	<50	N	N	500	<.05	44
I24R3930	N	N	N	<100	N	20	<50	N	N	500	<.05	44
I24R3940	N	N	N	<100	N	30	<50	N	N	200	<.05	44
I24R3960	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R3970	N	N	N	150	N	50	<50	<10	N	500	<.05	44
I24R3980	N	N	N	100	N	20	<50	N	N	500	<.05	44
I24R3990	N	N	N	100	N	20	<50	N	N	300	<.05	44
I24R4000	N	N	N	100	N	20	<50	N	N	200	<.05	44
I24R4010	N	N	N	100	N	15	<50	N	N	1,000	<.05	44
I24R4020	N	N	N	100	N	20	<50	N	N	500	<.05	44
I24R4030	N	N	N	100	N	15	<50	N	N	300	<.05	44
I24R4040	N	N	N	100	N	10	<50	N	N	200	<.05	44
I24R4050	N	N	N	100	N	20	<50	N	N	300	<.05	44
I24R4060	N	N	N	150	N	20	<50	N	N	150	<.05	44
I24R4070	N	N	N	100	N	50	<50	N	N	1,000	<.05	44
I24R4080	N	N	N	100	N	50	<50	10	N	1,000	<.05	44
I24R4090	N	N	N	100	N	30	<50	10	N	200	<.05	44
I24R4100	N	N	N	>5,000	N	30	500	<10	N	200	<.05	44
I24R4110	N	N	N	100	N	20	<50	N	N	50	<.05	44
I24R4120	N	N	N	<100	N	50	<50	N	N	150	<.05	44
I24R4130	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4140	N	N	N	<100	N	15	<50	N	N	200	<.05	44
I24R4150	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R4160	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4170	N	N	N	<100	N	20	<50	N	N	300	<.05	44
I24R4180	N	N	N	<100	N	20	100	N	N	500	<.05	44
I24R4190	N	N	N	<100	N	20	<50	<10	N	500	<.05	44

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R4200	37 22 0	89 20 0	.05	2	.15	.5	N	N	N	70	300
I24R4210	37 22 0	89 20 0	.05	.5	.03	.07	N	N	N	50	150
I24R4220	37 22 0	89 20 0	.05	.5	.03	.07	N	N	N	50	100
I24R4230	37 22 0	89 20 0	<.05	1	.1	.1	N	N	N	70	150
I24R4250	37 22 0	89 20 0	<.05	1.5	.1	.2	N	200	N	50	200
I24R4260	37 22 0	89 20 0	<.05	2	.15	.3	<.5	<200	N	50	200
I24R4270	37 22 0	89 20 0	<.05	1.5	.1	.2	N	N	N	50	150
I24R4280	37 22 0	89 20 0	<.05	.7	.05	.07	N	N	N	30	100
I24R4290	37 22 0	89 20 0	<.05	.3	.05	.1	N	N	N	50	500
I24R4300	37 22 0	89 20 0	<.05	.5	.02	.07	N	N	N	50	30
I24R4310	37 22 0	89 20 0	<.05	3	.2	.5	N	N	N	100	300
I24R4320	37 22 0	89 20 0	<.05	.7	.07	.07	N	N	N	50	150
I24R4330	37 22 0	89 20 0	<.05	1	.05	.05	N	N	N	30	100
I24R4340	37 22 0	89 20 0	<.05	1	.05	.07	N	N	N	20	100
I24R4350	37 22 0	89 20 0	N	1	.05	.05	N	N	N	20	300
I24R4360	37 22 0	89 20 0	N	.2	.02	.015	N	N	N	50	100
I24R4370	37 22 0	89 20 0	N	.3	.02	.03	N	N	N	50	150
I24R4380	37 22 0	89 20 0	N	.5	.02	.05	N	N	N	30	150
I24R4390	37 22 0	89 20 0	N	.2	.02	.03	N	N	N	20	150
I24R4400	37 22 0	89 20 0	N	.5	.03	.07	N	N	N	50	100
I24R4410	37 22 0	89 20 0	N	.2	<.02	.02	N	N	N	30	70
I24R4420	37 22 0	89 20 0	N	.15	<.02	.007	N	N	N	20	50
I24R4450	37 22 0	89 20 0	N	.1	<.02	.005	N	N	N	30	70
I24R4460	37 22 0	89 20 0	.05	.15	.02	.02	N	N	N	50	100
I24R4470	37 22 0	89 20 0	<.05	.2	.02	.03	N	N	N	50	100
I24R4480	37 22 0	89 20 0	<.05	.5	.05	.07	N	N	N	50	150
I24R4490	37 22 0	89 20 0	<.05	.2	.07	.07	N	N	N	70	150
I24R4500	37 22 0	89 20 0	<.05	.3	.02	.03	N	N	N	30	70
I24R4510	37 22 0	89 20 0	<.05	.5	.03	.05	N	N	N	50	100
I24R4520	37 22 0	89 20 0	<.05	.7	.02	.05	N	N	N	50	150
I24R4530	37 22 0	89 20 0	<.05	.7	.07	.05	N	N	N	70	100
I24R4540	37 22 0	89 20 0	<.05	.7	.05	.07	N	N	N	50	150
I24R4550	37 22 0	89 20 0	<.05	1	.05	.07	N	N	N	50	150
I24R4560	37 22 0	89 20 0	<.05	1	.05	.07	N	N	N	50	150
I24R4580	37 22 0	89 20 0	<.05	.5	.05	.05	N	N	N	50	150
I24R4590	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	70	150
I24R4600	37 22 0	89 20 0	<.05	1	.05	.1	N	N	N	50	150
I24R4610	37 22 0	89 20 0	<.05	.7	.02	.1	N	N	N	50	150
I24R4620	37 22 0	89 20 0	<.05	.5	.03	.1	N	N	N	50	150
I24R4630	37 22 0	89 20 0	.05	.2	.02	.03	N	N	N	50	100
I24R4640	37 22 0	89 20 0	.05	.3	.03	.05	N	N	N	50	100
I24R4650	37 22 0	89 20 0	<.05	1	.05	.1	<.5	N	N	50	300
I24R4660	37 22 0	89 20 0	<.05	.7	.03	.1	N	N	N	50	200
I24R4670	37 22 0	89 20 0	<.05	.7	.07	.07	N	N	N	50	150
I24R4680	37 22 0	89 20 0	<.05	1	.1	.15	<.5	N	N	70	200
I24R4690	37 22 0	89 20 0	<.05	.7	.05	.1	N	N	N	50	300
I24R4700	37 22 0	89 20 0	<.05	.2	.02	.03	N	N	N	30	100
I24R4710	37 22 0	89 20 0	<.05	2	.1	.1	N	N	N	100	150
I24R4720	37 22 0	89 20 0	<.05	.5	.02	.03	N	N	N	50	30
I24R4730	37 22 0	89 20 0	<.05	1.5	.05	.05	N	N	N	100	100
I24R4740	37 22 0	89 20 0	<.05	3	.07	.1	N	N	N	100	100
I24R4750	37 22 0	89 20 0	<.05	1	.05	.07	N	N	N	50	200
I24R4760	37 22 0	89 20 0	.05	.7	.07	.1	N	N	N	100	150
I24R4770	37 22 0	89 20 0	<.05	.7	.05	.05	N	N	N	70	100
I24R4780	37 22 0	89 20 0	.05	.3	.05	.03	N	N	N	50	100
I24R4790	37 22 0	89 20 0	<.05	3	.1	.1	N	N	N	150	150
I24R4800	37 22 0	89 20 0	<.05	3	.07	.07	N	N	N	100	100
I24R4810	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	100	100
I24R4820	37 22 0	89 20 0	<.05	.2	.02	.03	N	N	N	50	70
I24R4830	37 22 0	89 20 0	<.05	.5	.03	.05	N	N	N	50	70

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R4200	N	N	N	<5	15	100	N	50	15	N	20	50
I24R4210	N	N	N	<5	10	20	N	<10	5	N	7	<10
I24R4220	N	N	N	<5	10	10	N	<10	7	N	10	<10
I24R4230	N	N	N	<5	20	100	N	10	10	N	20	10
I24R4250	N	N	N	<5	15	10	N	10	15	N	20	30
I24R4260	N	N	N	<5	30	100	N	10	20	N	20	50
I24R4270	N	N	N	<5	20	50	N	10	7	N	15	20
I24R4280	N	N	N	<5	10	30	N	<10	5	N	7	<10
I24R4290	N	N	N	<5	15	7	N	<10	5	N	7	20
I24R4300	N	N	N	<5	10	10	N	<10	5	N	5	<10
I24R4310	N	N	N	5	70	50	N	20	10	<20	30	20
I24R4320	N	N	N	<5	10	20	N	<10	5	N	5	<10
I24R4330	N	N	N	<5	10	15	N	<10	5	N	7	<10
I24R4340	N	N	N	<5	10	20	N	<10	7	N	7	10
I24R4350	N	N	N	N	10	15	N	<10	5	N	5	<10
I24R4360	N	N	N	N	<10	5	N	<10	7	N	<5	<10
I24R4370	N	N	N	N	<10	5	N	<10	<5	N	5	<10
I24R4380	N	N	N	N	<10	7	N	<10	<5	N	5	<10
I24R4390	N	N	N	N	<10	5	N	<10	<5	N	<5	<10
I24R4400	N	N	N	N	<10	15	N	<10	<5	N	5	<10
I24R4410	N	N	N	N	<10	10	N	<10	N	N	<5	<10
I24R4420	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I24R4450	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I24R4460	N	N	N	N	<10	<5	N	<10	<5	N	<5	<10
I24R4470	N	N	N	N	<10	7	N	<10	<5	N	5	<10
I24R4480	N	N	N	N	<10	10	N	<10	<5	N	5	<10
I24R4490	N	N	N	N	<10	20	N	<10	5	N	7	10
I24R4500	N	N	N	N	<10	7	N	<10	<5	N	5	10
I24R4510	N	N	N	N	<10	20	N	<10	10	N	7	15
I24R4520	N	N	N	N	<10	15	N	<10	10	N	7	15
I24R4530	N	N	N	N	<10	30	N	<10	20	N	10	10
I24R4540	N	N	N	N	<10	10	N	<10	7	N	10	10
I24R4550	N	N	N	N	<10	15	N	<10	10	N	10	100
I24R4560	N	N	N	N	<10	10	N	<10	10	N	10	15
I24R4580	N	N	N	N	<10	20	N	<10	5	N	7	10
I24R4590	N	N	N	N	10	15	N	10	15	N	10	10
I24R4600	N	N	N	N	10	15	N	<10	5	N	7	10
I24R4610	N	N	N	N	10	10	N	<10	<5	N	5	10
I24R4620	N	N	N	N	10	7	N	<10	<5	N	7	10
I24R4630	N	N	N	N	<10	5	N	<10	<5	N	5	<10
I24R4640	N	N	N	N	<10	7	N	<10	<5	N	5	10
I24R4650	N	N	N	N	10	20	N	10	7	N	10	15
I24R4660	N	N	N	N	10	10	N	<10	7	N	7	10
I24R4670	N	N	N	N	<10	7	N	<10	10	N	10	10
I24R4680	<1	N	N	N	15	30	N	10	20	N	15	20
I24R4690	N	N	N	N	10	10	N	<10	15	N	10	20
I24R4700	N	N	N	N	<10	7	N	<10	5	N	5	<10
I24R4710	<1	N	N	N	10	20	N	10	15	N	10	50
I24R4720	N	N	N	N	10	7	N	<10	5	N	7	10
I24R4730	N	N	N	N	10	15	N	<10	15	N	10	15
I24R4740	N	N	N	N	15	20	N	<10	15	N	10	50
I24R4750	N	N	N	N	<10	20	N	<10	15	N	10	10
I24R4760	N	N	N	N	<10	20	N	<10	7	N	7	20
I24R4770	N	N	N	N	<10	15	N	<10	5	N	7	30
I24R4780	N	N	N	N	<10	5	N	<10	5	N	5	<10
I24R4790	<1	N	N	N	15	15	N	10	10	N	10	30
I24R4800	<1	N	N	N	30	20	N	10	10	N	10	50
I24R4810	N	N	N	N	15	30	N	<10	10	N	7	30
I24R4820	N	N	N	N	10	<5	N	<10	5	N	5	<10
I24R4830	N	N	N	N	10	<5	N	<10	5	N	<5	<10

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R4200	N	N	N	<100	N	20	70	N	N	200	<.05	44
I24R4210	N	N	N	<100	N	15	<50	N	N	70	<.05	44
I24R4220	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4230	N	N	N	<100	N	50	<50	N	N	100	<.05	44
I24R4250	N	N	N	<100	N	50	<50	N	N	50	<.05	44
I24R4260	N	N	N	<100	N	50	<50	N	N	100	<.05	44
I24R4270	N	N	N	2,000	N	30	<50	N	N	70	<.05	44
I24R4280	N	N	N	<100	N	10	<50	N	N	100	<.05	44
I24R4290	N	N	N	<100	N	10	<50	N	N	300	<.05	44
I24R4300	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4310	N	N	N	<100	N	50	<50	N	N	70	<.05	44
I24R4320	N	N	N	<100	N	15	<50	N	N	70	<.05	44
I24R4330	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4340	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4350	N	N	N	<100	N	15	<50	N	N	100	<.05	44
I24R4360	N	N	N	<100	N	15	<50	N	N	<10	<.05	44
I24R4370	N	N	N	<100	N	10	<50	N	N	50	<.05	44
I24R4380	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4390	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4400	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4410	N	N	N	<100	N	15	<50	N	N	30	<.05	44
I24R4420	N	N	N	<100	N	15	<50	N	N	20	<.05	44
I24R4450	N	N	N	<100	N	10	<50	N	N	N	<.05	44
I24R4460	N	N	N	<100	N	15	<50	N	N	20	<.05	44
I24R4470	N	N	N	<100	N	15	<50	N	N	100	<.05	44
I24R4480	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4490	N	N	N	<100	N	30	<50	N	N	50	<.05	44
I24R4500	N	N	N	<100	N	20	<50	N	N	20	<.05	44
I24R4510	N	N	N	<100	N	15	<50	N	N	100	<.05	44
I24R4520	N	N	N	<100	N	15	<50	N	N	150	<.05	44
I24R4530	N	N	N	<100	N	20	<50	N	N	20	<.05	44
I24R4540	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R4550	N	N	N	<100	N	20	<50	N	N	150	<.05	44
I24R4560	N	N	N	<100	N	15	<50	N	N	150	<.05	44
I24R4580	N	N	N	<100	N	10	<50	N	N	150	<.05	44
I24R4590	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4600	N	N	N	<100	N	20	<50	N	N	100	<.05	44
I24R4610	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R4620	N	N	N	<100	N	30	<50	N	N	70	<.05	44
I24R4630	N	N	N	<100	N	20	<50	N	N	30	<.05	44
I24R4640	N	N	N	<100	N	20	<50	N	N	50	<.05	44
I24R4650	N	N	N	<100	N	20	<50	N	N	150	<.05	44
I24R4660	N	N	N	<100	N	20	<50	N	N	150	<.05	44
I24R4670	N	N	N	<100	N	20	<50	N	N	150	<.05	44
I24R4680	N	N	N	<100	N	30	<50	N	N	100	<.05	44
I24R4690	N	N	N	<100	N	20	<50	N	N	200	<.05	44
I24R4700	N	N	N	<100	N	15	<50	N	N	30	<.05	44
I24R4710	N	N	N	<100	N	20	<50	N	N	50	<.05	44
I24R4720	N	N	N	<100	N	20	<50	N	N	N	<.05	44
I24R4730	N	N	N	<100	N	15	<50	N	N	100	<.05	44
I24R4740	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4750	N	N	N	<100	N	10	<50	N	N	150	<.05	44
I24R4760	N	N	N	<100	N	15	<50	N	N	100	<.05	44
I24R4770	N	N	N	<100	N	15	<50	N	N	50	<.05	44
I24R4780	N	N	N	<100	N	15	<50	N	N	20	<.05	46
I24R4790	N	N	N	<100	N	20	<50	N	N	100	<.05	46
I24R4800	N	N	N	<100	N	15	<50	N	N	50	<.05	46
I24R4810	N	N	N	<100	N	30	<50	N	N	50	<.05	46
I24R4820	N	N	N	<100	N	20	<50	N	N	20	<.05	46
I24R4830	N	N	N	<100	N	20	<50	N	N	<10	<.05	46

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R4840	37 22 0	89 20 0	<.05	1.5	.07	.1	N	N	N	100	100
I24R4850	37 22 0	89 20 0	<.05	.7	.05	.05	N	N	N	50	100
I24R4860	37 22 0	89 20 0	<.05	.7	.07	.1	N	N	N	50	100
I24R4870	37 22 0	89 20 0	<.05	1	.07	.07	N	N	N	50	100
I24R4880	37 22 0	89 20 0	<.05	3	.03	.05	N	N	N	50	100
I24R4890	37 22 0	89 20 0	.05	.3	.02	.03	N	N	N	50	100
I24R4900	37 22 0	89 20 0	.05	.7	.02	.03	N	N	N	50	100
I24R4910	37 22 0	89 20 0	.05	.7	.02	.05	N	N	N	50	100
I24R4920	37 22 0	89 20 0	<.05	.2	.05	.05	N	N	N	50	70
I24R4930	37 22 0	89 20 0	.05	1	.1	.2	N	N	N	100	150
I24R4940	37 22 0	89 20 0	.1	1	.1	.07	N	N	N	50	300
I24R4950	37 22 0	89 20 0	.05	.05	.02	.002	N	N	N	50	30
I24R4960	37 22 0	89 20 0	.2	.2	.1	.05	N	N	N	50	20
I24R4970	37 22 0	89 20 0	.05	.2	.05	.05	N	N	N	50	30
I24R4980	37 22 0	89 20 0	<.05	.15	.02	.02	N	N	N	50	20
I24R4990	37 22 0	89 20 0	.05	.2	.03	.05	N	N	N	50	20
I24R5010	37 22 0	89 20 0	<.05	.15	.02	.02	N	N	N	50	50
I24R5030	37 22 0	89 20 0	<.05	1	.1	.1	N	N	N	100	100
I24R5040	37 22 0	89 20 0	.07	.1	.02	.01	N	N	N	30	20
I24R5050	37 22 0	89 20 0	.07	.1	.03	.02	N	N	N	50	20
I24R5060	37 22 0	89 20 0	.15	.15	.05	.02	N	N	N	50	20
I24R5070	37 22 0	89 20 0	.1	.3	.02	.03	N	N	N	50	70
I24R5080	37 22 0	89 20 0	.05	.5	.02	.03	N	N	N	50	70
I24R5090	37 22 0	89 20 0	.05	.2	.02	.02	N	N	N	50	50
I24R5100	37 22 0	89 20 0	.05	1	.05	.15	<.5	N	N	70	300
I24R5110	37 22 0	89 20 0	.07	.07	.05	.01	N	N	N	30	20
I24R5120	37 22 0	89 20 0	.1	.5	.07	.1	N	N	N	50	200
I24R5130	37 22 0	89 20 0	.05	1	.05	.07	N	N	N	50	100
I24R5140	37 22 0	89 20 0	.05	1	.1	.2	N	N	N	70	150
I24R5150	37 22 0	89 20 0	.1	1	.1	.2	N	N	N	50	200
I24R5160	37 22 0	89 20 0	.05	1	.15	.2	N	N	N	50	200
I24R5170	37 22 0	89 20 0	.05	1	.2	.2	N	N	N	100	300
I24R5180	37 22 0	89 20 0	.07	1	.2	.2	N	N	N	100	200
I24R5200	37 22 0	89 20 0	.15	1	.3	.2	1.5	N	N	150	200
I24R5210	37 22 0	89 20 0	.07	2	.7	.5	.5	<200	N	150	200
I24R5220	37 22 0	89 20 0	.05	1.5	.3	.3	N	N	N	100	150
I24R5230	37 22 0	89 20 0	.1	1.5	.3	.5	N	N	N	150	150
I24R5240	37 22 0	89 20 0	.07	.1	.02	.01	N	N	N	50	20
I24R5250	37 22 0	89 20 0	.1	.7	.07	.1	N	N	N	100	100
I24R5260	37 22 0	89 20 0	.1	.7	.02	.03	N	N	N	70	50
I24R5270	37 22 0	89 20 0	.2	1.5	.3	.2	N	N	N	200	150
I24R5280	37 22 0	89 20 0	.05	1	.15	.15	N	N	N	100	150
I24R5290	37 22 0	89 20 0	.1	1.5	.3	.3	N	N	N	200	200
I24R5300	37 22 0	89 20 0	.2	1	.1	.1	N	N	N	100	100
I24R5310	37 22 0	89 20 0	.05	.7	.1	.15	N	N	N	100	100
I24R5320	37 22 0	89 20 0	.1	1.5	.15	.2	N	N	N	150	150
I24R5330	37 22 0	89 20 0	.07	.5	.05	.07	N	N	N	50	100
I24R5340	37 22 0	89 20 0	<.05	.7	.02	.03	N	N	N	50	50
I24R5350	37 22 0	89 20 0	<.05	1.5	.02	.1	N	N	N	50	100
I24R5360	37 22 0	89 20 0	.1	1.5	.1	.2	N	N	N	100	100
I24R5370	37 22 0	89 20 0	.15	1.5	.15	.3	N	N	N	100	150
I24R5380	37 22 0	89 20 0	.1	.7	.1	.15	N	<200	N	70	150
I24R5390	37 22 0	89 20 0	.1	1.5	.05	.15	N	<200	N	50	200
I24R5400	37 22 0	89 20 0	.05	.2	.03	.02	N	<200	N	20	30
I24R5410	37 22 0	89 20 0	.05	.3	.03	.05	N	<200	N	20	100
I24R5420	37 22 0	89 20 0	.1	.2	.02	.05	N	<200	N	30	50
I24R5430	37 22 0	89 20 0	.1	1	.05	.1	N	<200	N	50	150
I24R5440	37 22 0	89 20 0	<.05	1.5	.1	.2	N	N	N	100	200
I24R5450	37 22 0	89 20 0	.05	1.5	.05	.2	<.5	<200	N	70	150
I24R5460	37 22 0	89 20 0	.15	1	.05	.15	N	N	N	50	150

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R4840	N	N	N	N	15	10	N	<10	7	N	7	30
I24R4850	N	N	N	N	10	10	N	<10	5	N	7	50
I24R4860	N	N	N	N	10	15	N	<10	10	N	10	15
I24R4870	N	N	N	N	20	50	N	<10	5	N	10	50
I24R4880	N	N	N	N	10	20	N	<10	5	N	7	50
I24R4890	N	N	N	N	<10	10	N	<10	5	N	5	<10
I24R4900	N	N	N	N	10	50	N	<10	10	N	7	20
I24R4910	N	N	N	N	10	15	N	<10	7	N	7	10
I24R4920	N	N	N	N	10	30	N	<10	10	N	7	10
I24R4930	N	N	N	N	15	100	N	10	10	N	10	15
I24R4940	<1	N	N	N	10	7	N	15	10	N	7	15
I24R4950	N	N	N	N	10	20	N	<10	<5	N	5	<10
I24R4960	N	N	N	N	10	5	N	10	<5	N	5	<10
I24R4970	N	N	N	N	10	10	N	<10	5	N	10	10
I24R4980	N	N	N	N	<10	<5	N	<10	5	N	5	10
I24R4990	N	N	N	N	10	10	N	<10	7	N	7	20
I24R5010	N	N	N	N	10	7	N	<10	5	N	5	<10
I24R5030	<1	N	N	N	20	15	N	10	10	N	10	20
I24R5040	N	N	N	N	10	70	N	<10	<5	N	<5	<10
I24R5050	N	N	N	N	10	7	N	<10	5	N	5	<10
I24R5060	N	N	N	N	10	5	N	<10	5	N	7	<10
I24R5070	N	N	N	N	10	7	N	<10	10	N	10	<10
I24R5080	N	N	N	N	10	7	N	<10	10	N	7	<10
I24R5090	N	N	N	N	<10	10	N	<10	30	N	10	10
I24R5100	N	N	N	N	<10	50	N	<10	20	N	20	20
I24R5110	N	N	N	N	<10	7	N	<10	<5	N	<5	<10
I24R5120	N	N	N	N	10	50	N	10	15	N	10	20
I24R5130	N	N	N	N	10	50	N	10	30	N	15	20
I24R5140	N	N	N	<5	10	50	N	20	20	N	20	50
I24R5150	N	N	N	<5	20	70	N	15	7	N	15	50
I24R5160	N	N	N	<5	10	50	N	20	10	N	15	50
I24R5170	1	N	N	5	10	50	N	20	10	N	20	50
I24R5180	<1	N	N	5	20	70	N	30	15	N	20	50
I24R5200	<1	N	N	5	20	100	N	50	20	N	30	50
I24R5210	1.5	N	N	10	30	200	N	50	100	N	50	100
I24R5220	1.5	N	N	5	30	70	N	15	20	N	30	20
I24R5230	1.5	N	N	5	50	100	N	20	20	N	30	50
I24R5240	N	N	N	N	10	5	N	<10	<5	N	5	<10
I24R5250	<1	N	N	N	15	20	N	20	10	N	10	10
I24R5260	N	N	N	N	10	20	N	15	10	N	5	10
I24R5270	1.5	N	N	<5	30	700	N	50	20	N	30	50
I24R5280	1	N	N	<5	20	300	N	30	20	N	20	50
I24R5290	1.5	N	N	5	50	300	N	50	30	N	30	70
I24R5300	1	N	N	<5	20	70	N	50	15	N	20	50
I24R5310	1	N	N	<5	20	20	N	15	15	N	15	20
I24R5320	1	N	N	<5	50	70	N	30	10	N	20	70
I24R5330	<1	N	N	10	10	20	N	20	7	N	7	50
I24R5340	N	N	N	N	100	20	N	20	20	N	5	10
I24R5350	N	N	N	N	10	100	N	15	20	N	10	30
I24R5360	1	N	N	5	20	500	N	20	10	N	15	30
I24R5370	1	N	N	5	20	70	N	50	15	N	20	30
I24R5380	N	N	N	<5	10	30	N	15	30	N	10	30
I24R5390	<1	N	N	5	10	50	N	100	20	N	15	30
I24R5400	N	N	N	N	10	10	N	<10	5	N	7	10
I24R5410	N	N	N	N	10	20	N	<10	7	N	10	10
I24R5420	N	N	N	N	10	15	N	<10	5	N	7	<10
I24R5430	N	N	N	N	10	30	N	10	20	N	10	20
I24R5440	N	N	N	<5	20	50	N	10	50	N	15	50
I24R5450	N	N	N	<5	15	50	N	15	20	N	15	50
I24R5460	N	N	N	N	10	30	N	10	15	N	15	20

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R4840	N	N	N	<100	N	30	<50	N	N	100	<.05	46
I24R4850	N	N	N	<100	N	20	<50	N	N	50	<.05	46
I24R4860	N	N	N	<100	N	50	<50	N	N	100	<.05	46
I24R4870	N	N	N	<100	N	50	<50	N	N	30	<.05	46
I24R4880	N	N	N	<100	N	30	<50	N	N	50	<.05	46
I24R4890	N	N	N	<100	N	20	<50	N	N	<10	<.05	46
I24R4900	N	N	N	<100	N	20	<50	N	N	<10	<.05	46
I24R4910	N	N	N	<100	N	20	<50	N	N	20	<.05	46
I24R4920	N	N	N	<100	N	20	<50	N	N	15	<.05	46
I24R4930	N	N	N	<100	N	50	<50	N	N	100	<.05	46
I24R4940	N	N	N	<100	N	20	<50	N	N	10	<.05	46
I24R4950	N	N	N	<100	N	20	<50	N	N	<10	<.05	46
I24R4960	N	N	N	<100	N	15	<50	N	N	<10	<.05	46
I24R4970	N	N	N	<100	N	20	<50	N	N	<10	<.05	46
I24R4980	N	N	N	<100	N	20	<50	N	N	<10	<.05	46
I24R4990	N	N	N	<100	N	30	<50	N	N	<10	<.05	46
I24R5010	N	N	N	<100	N	15	<50	N	N	<10	<.05	46
I24R5030	N	N	N	<100	N	50	<50	N	N	20	<.05	46
I24R5040	N	N	N	<100	N	10	<50	N	N	<10	<.05	46
I24R5050	N	N	N	100	N	20	<50	N	N	<10	<.05	46
I24R5060	N	N	N	100	N	20	<50	N	N	<10	<.05	46
I24R5070	N	N	N	300	N	20	<50	N	N	<10	<.05	46
I24R5080	N	N	N	<100	N	15	<50	N	N	20	<.05	46
I24R5090	N	N	N	<100	N	20	<50	N	N	50	<.05	46
I24R5100	N	N	N	<100	N	10	<50	N	N	100	<.05	46
I24R5110	N	N	N	<100	N	20	<50	N	N	N	<.05	46
I24R5120	N	N	N	100	N	15	<50	N	N	100	<.05	46
I24R5130	N	N	N	<100	N	20	<50	N	N	50	<.05	46
I24R5140	N	N	N	100	N	15	<50	N	N	100	<.05	46
I24R5150	N	N	N	100	N	30	<50	N	N	100	<.05	46
I24R5160	N	N	N	<100	N	50	<50	N	N	50	<.05	46
I24R5170	N	N	N	100	N	50	<50	N	N	200	<.05	46
I24R5180	N	N	N	<100	N	50	<50	N	N	100	<.05	46
I24R5200	N	N	N	<100	N	50	<50	N	N	100	.05	46
I24R5210	N	5	N	<100	N	150	<50	N	N	100	.11	46
I24R5220	N	<5	N	<100	N	50	<50	N	N	50	.06	46
I24R5230	N	<5	N	<100	N	50	<50	N	N	70	.06	46
I24R5240	N	N	N	<100	N	15	<50	N	N	10	<.05	46
I24R5250	N	N	N	<100	N	20	<50	N	N	20	<.05	46
I24R5260	N	N	N	<100	N	10	<50	N	N	10	<.05	46
I24R5270	N	<5	15	<100	N	50	<50	N	300	100	.1	46
I24R5280	N	<5	<10	<100	N	50	<50	N	500	50	.05	46
I24R5290	N	<5	10	<100	N	100	<50	N	300	100	.09	46
I24R5300	N	N	N	<100	N	50	<50	N	<200	30	<.05	46
I24R5310	N	N	N	<100	N	50	<50	N	N	20	<.05	46
I24R5320	N	N	N	<100	N	70	<50	N	200	70	<.05	46
I24R5330	N	N	N	<100	N	15	300	N	<200	30	<.05	46
I24R5340	N	N	N	<100	N	15	<50	N	<200	<10	<.05	46
I24R5350	N	N	N	<100	N	15	<50	N	700	20	<.05	46
I24R5360	N	N	N	<100	N	20	<50	N	N	100	<.05	46
I24R5370	N	N	N	<100	N	30	<50	N	<200	100	<.05	63
I24R5380	N	N	N	<100	N	20	<50	N	N	50	<.05	63
I24R5390	N	N	N	<100	N	20	<50	N	N	70	<.05	63
I24R5400	N	N	N	<100	N	10	<50	N	N	10	<.05	63
I24R5410	N	N	N	<100	N	15	<50	N	N	50	<.05	63
I24R5420	N	N	N	<100	N	10	<50	N	N	30	<.05	63
I24R5430	N	N	N	<100	N	15	<50	N	N	50	<.05	63
I24R5440	N	N	N	150	N	20	<50	N	N	100	<.05	63
I24R5450	N	N	N	100	N	15	<50	N	N	50	<.05	63
I24R5460	N	N	N	100	N	15	<50	N	N	50	<.05	63

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R5470	37 22 0	89 20 0	.05	2	.05	.3	N	N	N	50	200
I24R5480	37 22 0	89 20 0	<.05	1	.02	.15	N	N	N	20	100
I24R5490	37 22 0	89 20 0	<.05	1	.02	.1	N	N	N	50	50
I24R5500	37 22 0	89 20 0	<.05	.7	.02	.1	N	N	N	30	100
I24R5510	37 22 0	89 20 0	.05	1	.03	.15	N	N	N	20	100
I24R5550	37 22 0	89 20 0	<.05	.7	.02	.1	N	N	N	20	100
I24R5560	37 22 0	89 20 0	<.05	.7	.02	.1	N	N	N	20	70
I24R5570	37 22 0	89 20 0	.15	.7	.07	.15	N	N	N	20	70
I24R5580	37 22 0	89 20 0	.5	1	.3	.2	N	N	N	30	150
I24R5590	37 22 0	89 20 0	20	.5	10	.02	N	N	N	15	20
I24R5600	37 22 0	89 20 0	15	.7	>10	.05	N	N	N	20	50
I24R5610	37 22 0	89 20 0	.07	.5	.07	.07	N	N	N	50	70
I24R5620	37 22 0	89 20 0	<.05	.3	.02	.05	N	N	N	30	50
I24R5630	37 22 0	89 20 0	.05	.5	.03	.05	N	N	N	50	70
I24R5640	37 22 0	89 20 0	<.05	.7	.02	.1	N	N	N	50	70
I24R5650	37 22 0	89 20 0	<.05	1.5	.03	.2	<.5	N	N	30	300
I24R5660	37 22 0	89 20 0	<.05	1.5	.05	.1	.5	N	N	50	150
I24R5670	37 22 0	89 20 0	<.05	1	.05	.2	2	N	N	50	150
I24R5680	37 22 0	89 20 0	.05	1.5	.07	.2	.5	N	N	50	200
I24R5690	37 22 0	89 20 0	.07	.2	.05	.05	N	N	N	50	50
I24R5700	37 22 0	89 20 0	.2	.3	.07	.05	N	N	N	50	70
I24R5710	37 22 0	89 20 0	.05	.5	.05	.07	N	N	N	30	50
I24R5720	37 22 0	89 20 0	.07	1	.07	.2	<.5	N	N	50	100
I24R5730	37 22 0	89 20 0	<.05	.7	.03	.1	N	N	N	20	100
I24R5750	37 22 0	89 20 0	.1	.5	.05	.02	N	N	N	30	50
I24R5760	37 22 0	89 20 0	.05	.5	.03	.05	N	N	N	30	70
I24R5770	37 22 0	89 20 0	1	.7	.5	.07	N	N	N	30	50
I24R5780	37 22 0	89 20 0	10	1.5	5	.15	<.5	N	N	20	100
I24R5790	37 22 0	89 20 0	.07	2	.1	.2	N	N	N	30	150
I24R5800	37 22 0	89 20 0	<.05	2	.07	.2	N	N	N	30	200
I24R5810	37 22 0	89 20 0	<.05	.5	.02	.1	N	N	N	30	50
I24R5820	37 22 0	89 20 0	<.05	1.5	.05	.2	N	N	N	50	100
I24R5830	37 22 0	89 20 0	<.05	3	.07	.3	N	N	N	30	100
I24R5840	37 22 0	89 20 0	.05	1	.03	.05	N	N	N	20	50
I24R5850	37 22 0	89 20 0	<.05	3	.02	.2	N	N	N	20	100
I24R5860	37 22 0	89 20 0	5	1.5	3	.2	N	N	N	20	150
I24R5870	37 22 0	89 20 0	.2	.7	.2	.07	N	N	N	20	150
I24R5880	37 22 0	89 20 0	<.05	1	.02	.07	N	N	N	30	100
I24R5890	37 22 0	89 20 0	.05	1	.02	.05	N	N	N	20	100
I24R5900	37 22 0	89 20 0	<.05	.2	<.02	.03	N	N	N	30	100
I24R5910	37 22 0	89 20 0	.1	.5	.03	.07	N	N	N	30	150
I24R5920	37 22 0	89 20 0	.05	.5	.02	.03	N	N	N	30	70
I24R5930	37 22 0	89 20 0	.05	.7	.02	.1	N	N	N	20	150
I24R5940	37 22 0	89 20 0	.05	1	.02	.2	N	N	N	30	200
I24R5950	37 22 0	89 20 0	.07	1.5	.05	.2	N	N	N	20	700
I24R5960	37 22 0	89 20 0	.05	.5	.05	.07	N	N	N	70	100
I24R5970	37 22 0	89 20 0	.1	.5	.07	.1	N	N	N	20	100
I24R5980	37 22 0	89 20 0	.05	1.5	.05	.1	N	<200	N	20	150
I24R5990	37 22 0	89 20 0	.05	1	.05	.1	N	N	N	15	100
I24R6000	37 22 0	89 20 0	<.05	2	.02	.1	N	N	N	15	150
I24R6010	37 22 0	89 20 0	<.05	1	.02	.1	N	N	N	20	150
I24R6020	37 22 0	89 20 0	.2	1	.5	.2	N	N	N	30	200
I24R6030	37 22 0	89 20 0	<.05	2	.03	.1	N	N	N	20	200
I24R6040	37 22 0	89 20 0	.15	1	.1	.1	N	N	N	30	100
I24R6060	37 22 0	89 20 0	<.05	.5	<.02	.07	N	N	N	20	70
I24R6070	37 22 0	89 20 0	.05	.7	.05	.1	N	N	N	30	100
I24R6080	37 22 0	89 20 0	<.05	.7	<.02	.05	N	N	N	20	100
I24R6090	37 22 0	89 20 0	.05	1	.07	.1	N	N	N	20	150
I24R6100	37 22 0	89 20 0	.05	.5	.02	.1	N	N	N	50	100
I24R6110	37 22 0	89 20 0	.05	.7	.02	.07	N	N	N	50	100

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R5470	N	N	N	7	15	70	N	10	20	N	30	70
I24R5480	N	N	N	<5	10	10	N	<10	10	N	10	10
I24R5490	N	N	N	<5	10	15	N	<10	15	N	15	20
I24R5500	N	N	N	N	10	10	N	<10	15	N	10	20
I24R5510	N	N	N	N	15	15	N	<10	10	N	15	20
I24R5550	N	N	N	<5	15	10	N	<10	15	N	10	20
I24R5560	N	N	N	N	10	20	N	<10	15	N	10	20
I24R5570	N	N	N	<5	10	20	N	<10	15	N	10	30
I24R5580	N	N	N	N	15	30	N	<10	20	N	20	30
I24R5590	N	N	N	N	15	10	N	50	10	N	7	50
I24R5600	N	N	N	N	20	20	N	100	30	N	7	50
I24R5610	N	N	N	N	10	15	N	<10	7	N	10	20
I24R5620	N	N	N	N	10	10	N	<10	7	N	5	10
I24R5630	N	N	N	N	10	7	N	<10	5	N	10	10
I24R5640	N	N	N	N	10	15	N	<10	10	N	10	15
I24R5650	N	N	N	5	10	50	N	<10	30	N	30	30
I24R5660	N	N	N	5	10	20	N	<10	20	N	30	30
I24R5670	N	N	N	5	10	30	N	<10	20	N	20	50
I24R5680	<1	N	N	<5	10	20	N	<10	20	N	30	50
I24R5690	N	N	N	N	10	10	N	<10	10	N	7	10
I24R5700	N	N	N	N	10	10	N	<10	7	N	7	10
I24R5710	N	N	N	N	10	15	N	<10	15	N	10	10
I24R5720	N	N	N	<5	15	30	N	<10	30	N	30	30
I24R5730	N	N	N	N	10	20	N	<10	15	N	30	20
I24R5750	N	N	N	N	10	5	N	<10	7	N	5	10
I24R5760	N	N	N	N	10	10	N	<10	10	N	7	100
I24R5770	N	N	N	N	10	15	N	10	20	N	10	20
I24R5780	N	N	N	5	10	50	N	50	150	N	20	2,000
I24R5790	N	N	N	7	10	70	N	10	200	N	30	150
I24R5800	N	N	N	10	10	100	N	10	100	N	50	50
I24R5810	N	N	N	7	10	10	N	<10	10	N	7	70
I24R5820	N	N	N	10	20	50	N	<10	20	N	20	50
I24R5830	N	N	N	7	15	100	N	10	20	<20	30	20
I24R5840	N	N	N	N	10	10	N	<10	10	N	7	<10
I24R5850	N	N	N	7	15	20	N	<10	10	N	15	30
I24R5860	N	N	N	<5	10	20	N	50	15	N	15	30
I24R5870	N	N	N	N	10	15	N	<10	15	N	10	30
I24R5880	N	N	N	N	10	10	N	<10	10	N	10	15
I24R5890	N	N	N	N	10	10	N	<10	10	N	10	10
I24R5900	N	N	N	N	10	<5	N	<10	5	N	7	<10
I24R5910	N	N	N	N	10	50	N	<10	10	N	10	10
I24R5920	N	N	N	N	10	5	N	<10	15	N	10	<10
I24R5930	N	N	N	5	10	10	N	<10	100	N	10	20
I24R5940	N	N	N	<5	10	20	N	10	70	N	20	50
I24R5950	N	N	N	N	15	20	N	<10	50	N	30	50
I24R5960	N	N	N	N	10	15	N	20	15	N	10	20
I24R5970	N	N	N	5	10	7	N	<10	15	N	10	15
I24R5980	N	N	N	N	10	15	N	10	30	N	15	150
I24R5990	N	N	N	N	10	300	N	<10	20	N	15	20
I24R6000	N	N	N	50	10	20	N	<10	30	N	15	30
I24R6010	N	N	N	5	10	15	N	10	20	N	15	20
I24R6020	N	N	N	5	10	15	N	30	30	N	15	20
I24R6030	N	N	N	N	10	20	N	10	30	N	15	30
I24R6040	N	N	N	<5	10	20	N	<10	30	N	15	30
I24R6060	N	N	N	N	10	15	N	<10	20	N	10	15
I24R6070	N	N	N	<5	10	15	N	<10	30	N	10	10
I24R6080	N	N	N	N	10	7	N	<10	15	N	10	10
I24R6090	N	N	N	<5	10	20	N	<10	30	N	15	20
I24R6100	N	N	N	N	10	10	N	<10	7	N	5	<10
I24R6110	N	N	N	N	10	10	N	<10	15	N	10	10

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R5470	N	N	N	100	N	15	<50	N	N	100	<.05	63
I24R5480	N	N	N	100	N	10	<50	N	N	70	<.05	63
I24R5490	N	N	N	100	N	10	<50	N	N	100	<.05	63
I24R5500	N	N	N	<100	N	10	<50	N	N	50	<.05	63
I24R5510	N	N	N	<100	N	10	<50	N	N	70	<.05	63
I24R5550	N	N	N	<100	N	10	<50	N	N	50	<.05	63
I24R5560	N	N	N	<100	N	<10	<50	N	N	50	<.05	63
I24R5570	N	N	N	<100	N	<10	<50	N	N	50	<.05	63
I24R5580	N	N	N	<100	N	10	<50	N	N	70	<.05	63
I24R5590	N	N	N	<100	N	15	N	N	N	10	<.05	63
I24R5600	N	N	<10	<100	N	20	N	N	N	15	<.05	63
I24R5610	N	N	N	<100	N	<10	<50	N	N	20	<.05	63
I24R5620	N	N	N	<100	N	<10	<50	N	N	15	<.05	63
I24R5630	N	N	N	<100	N	<10	<50	N	N	10	<.05	63
I24R5640	N	N	N	<100	N	<10	<50	N	N	70	<.05	63
I24R5650	N	N	N	<100	N	10	<50	N	N	100	<.05	63
I24R5660	N	N	N	<100	N	<10	<50	N	N	50	<.05	63
I24R5670	N	N	N	<100	N	10	<50	N	N	50	<.05	63
I24R5680	N	N	N	<100	N	20	<50	N	N	70	<.05	63
I24R5690	N	N	N	<100	N	<10	<50	N	N	20	<.05	63
I24R5700	N	N	N	<100	N	<10	<50	N	N	10	<.05	63
I24R5710	N	N	N	<100	N	10	<50	N	N	10	<.05	63
I24R5720	N	N	N	<100	N	10	<50	N	N	50	<.05	63
I24R5730	N	N	N	<100	N	<10	<50	N	<200	50	<.05	63
I24R5750	N	N	N	<100	N	15	<50	N	N	10	<.05	63
I24R5760	N	N	N	<100	N	10	<50	N	N	30	<.05	63
I24R5770	N	N	N	<100	N	15	<50	N	N	50	<.05	63
I24R5780	N	N	N	100	N	15	<50	N	N	50	<.05	63
I24R5790	N	N	N	<100	N	10	<50	N	N	50	<.05	63
I24R5800	N	N	N	<100	N	10	<50	N	N	100	<.05	63
I24R5810	N	N	N	<100	N	10	<50	N	N	30	<.05	63
I24R5820	N	N	N	<100	N	15	<50	N	N	50	<.05	63
I24R5830	N	N	N	<100	N	15	<50	N	N	50	<.05	63
I24R5840	N	N	N	<100	N	10	<50	N	N	20	<.05	63
I24R5850	N	N	N	100	N	10	<50	N	N	50	<.05	63
I24R5860	N	N	N	100	N	15	<50	N	N	50	<.05	63
I24R5870	N	N	N	100	N	10	<50	N	N	50	<.05	63
I24R5880	N	N	N	<100	N	10	<50	N	N	20	<.05	63
I24R5890	N	N	N	100	N	10	<50	N	N	20	<.05	63
I24R5900	N	N	N	100	N	10	<50	N	N	10	<.05	63
I24R5910	N	N	N	100	N	10	<50	N	N	50	<.05	63
I24R5920	N	N	N	100	N	10	<50	N	N	20	<.05	63
I24R5930	N	N	N	100	N	10	<50	N	N	100	<.05	63
I24R5940	N	N	N	100	N	15	<50	N	N	100	<.05	63
I24R5950	N	N	N	100	N	10	<50	N	N	150	<.05	63
I24R5960	N	N	N	100	N	20	<50	N	N	100	<.05	63
I24R5970	N	N	N	100	N	15	<50	N	N	100	<.05	63
I24R5980	N	N	N	100	N	15	<50	N	N	50	<.05	63
I24R5990	N	N	N	100	N	15	<50	N	N	50	<.05	63
I24R6000	N	N	N	100	N	10	<50	N	N	100	<.05	63
I24R6010	N	N	N	100	N	15	<50	N	N	100	<.05	63
I24R6020	N	N	N	100	N	20	<50	N	N	100	<.05	63
I24R6030	N	N	N	100	N	15	<50	N	N	100	<.05	63
I24R6040	N	N	N	100	N	15	<50	N	N	50	<.05	64
I24R6060	N	N	N	<100	N	15	<50	N	N	30	<.05	64
I24R6070	N	N	N	100	N	15	<50	N	N	50	<.05	64
I24R6080	N	N	N	100	N	15	<50	N	N	20	<.05	64
I24R6090	N	N	N	100	N	15	<50	N	N	100	<.05	64
I24R6100	N	N	N	150	N	10	<50	N	N	50	<.05	64
I24R6110	N	N	N	100	N	10	<50	N	N	30	<.05	64

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I24R6120	37 22 0	89 20 0	.05	1.5	.7	.2	<.5	N	N	50	200
I24R6130	37 22 0	89 20 0	.05	1	.07	.15	N	N	N	50	150
I24R6140	37 22 0	89 20 0	.05	1.5	.1	.2	N	N	N	50	500
I24R6150	37 22 0	89 20 0	.07	1	.07	.15	N	N	N	50	100
I24R6160	37 22 0	89 20 0	.05	1	.07	.2	N	N	N	50	100
I24R6180	37 22 0	89 20 0	.05	1	.05	.15	N	N	N	50	150
I24R6190	37 22 0	89 20 0	<.05	.2	.02	.05	N	N	N	30	30
I24R6200	37 22 0	89 20 0	.1	1	.03	.15	N	N	N	50	100
I24R6210	37 22 0	89 20 0	<.05	1	.02	.05	N	<200	N	30	100
I24R6220	37 22 0	89 20 0	<.05	.15	<.02	.007	N	N	N	50	20
I24R6230	37 22 0	89 20 0	<.05	.7	.02	.02	N	N	N	50	30
I24R6240	37 22 0	89 20 0	<.05	.3	<.02	.02	N	N	N	50	20
I24R6250	37 22 0	89 20 0	.07	1.5	.07	.2	.5	N	N	30	100
I24R6260	37 22 0	89 20 0	.05	1	.07	.2	N	N	N	50	100
I24R6270	37 22 0	89 20 0	.1	.7	.05	.15	N	N	N	30	100
I24R6280	37 22 0	89 20 0	<.05	.7	.02	.2	<.5	N	N	20	100
I24R6290	37 22 0	89 20 0	<.05	.5	.02	.03	N	N	N	30	70
I24R6300	37 22 0	89 20 0	<.05	.2	<.02	.02	N	N	N	50	50
I24R6310	37 22 0	89 20 0	<.05	.2	.02	.03	N	N	N	50	50
I24R6320	37 22 0	89 20 0	.05	.5	.02	.02	<.5	N	N	50	50
I24R6330	37 22 0	89 20 0	<.05	.5	<.02	.02	<.5	<200	N	50	30
I24R6340	37 22 0	89 20 0	.05	.5	.05	.2	.5	N	N	50	20
I24R6350	37 22 0	89 20 0	<.05	.2	.02	.01	N	N	N	20	<20
I24R6360	37 22 0	89 20 0	.05	.05	<.02	<.002	N	N	N	50	20
I24R6370	37 22 0	89 20 0	.05	.1	.02	.005	N	N	N	30	<20
I24R6380	37 22 0	89 20 0	<.05	.5	.02	.005	N	N	N	50	<20
I24R6390	37 22 0	89 20 0	<.05	.15	.02	.01	N	N	N	50	20
I24R6400	37 22 0	89 20 0	.05	.2	.02	.02	<.5	N	N	30	20
I24R6410	37 22 0	89 20 0	<.05	.2	<.02	.01	<.5	N	N	50	<20
I24R6420	37 22 0	89 20 0	.05	.15	.02	.015	N	N	N	30	20
I24R6430	37 22 0	89 20 0	<.05	.2	<.02	.01	N	N	N	50	<20
I24R6440	37 22 0	89 20 0	<.05	.2	<.02	.015	N	N	N	50	20
I24R6450	37 22 0	89 20 0	<.05	.05	<.02	.002	N	N	N	50	20
I24R6460	37 22 0	89 20 0	.2	.3	.1	.02	<.5	N	N	50	<20
I24R6520	37 22 0	89 20 0	.5	.2	.15	.015	.7	N	N	50	50
I24R6530	37 22 0	89 20 0	3	.2	2	.01	5	N	N	20	<20
I24R6540	37 22 0	89 20 0	15	.2	7	.01	20	N	N	15	<20
I24R6550	37 22 0	89 20 0	20	.2	10	.003	5	N	N	<10	<20
I24R6560	37 22 0	89 20 0	15	.3	10	.002	.7	N	N	10	<20
I24R6570	37 22 0	89 20 0	20	.5	>10	.015	3	N	N	20	<20
I24R6580	37 22 0	89 20 0	20	1.5	>10	.01	1	N	N	<10	<20
I24R6590	37 22 0	89 20 0	20	1	10	.01	2	N	N	20	<20
I24R6600	37 22 0	89 20 0	1	1	.5	.01	.5	N	N	50	50
I24R6610	37 22 0	89 20 0	15	.5	10	.03	1	N	N	30	20
I24R6660	37 22 0	89 20 0	.15	.7	.05	.05	<.5	N	N	50	100
I24R6690	37 22 0	89 20 0	.05	.7	.02	.02	<.5	N	N	30	50
I24R6720	37 22 0	89 20 0	.15	2	.05	.02	5	N	N	50	30
I24R6750	37 22 0	89 20 0	.05	2	.02	.03	3	N	N	50	150
I24R6780	37 22 0	89 20 0	.05	1	.02	.02	.7	N	N	30	150
I24R6810	37 22 0	89 20 0	.05	.2	.02	.02	N	N	N	30	70
I24R6840	37 22 0	89 20 0	.05	1	.03	.03	2	N	N	30	100
I24R6870	37 22 0	89 20 0	.1	3	.07	.07	15	200	N	50	5,000
I24R6900	37 22 0	89 20 0	.05	10	.05	.03	30	300	N	100	100
I24R6930	37 22 0	89 20 0	.05	3	.03	.015	15	300	N	70	150
I24R6960	37 22 0	89 20 0	.05	10	.15	.15	50	N	N	200	200
I24R6990	37 22 0	89 20 0	.05	10	.5	.2	10	N	N	300	100
I24R7020	37 22 0	89 20 0	.05	10	.3	.2	30	<200	N	300	100
I24R7050	37 22 0	89 20 0	.05	15	.15	.07	30	500	N	300	30
I24R7080	37 22 0	89 20 0	.05	5	.1	.03	10	200	N	100	20
I24R7110	37 22 0	89 20 0	.05	3	.05	.01	5	N	N	30	<20

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R6120	N	N	N	5	10	70	N	<10	30	N	30	30
I24R6130	N	N	N	<5	15	50	N	<10	20	N	20	30
I24R6140	N	N	N	<5	10	50	N	<10	100	N	50	50
I24R6150	N	N	N	N	<10	20	N	<10	30	N	30	30
I24R6160	N	N	N	N	<10	20	N	<10	20	N	30	50
I24R6180	N	N	N	N	<10	20	N	<10	30	N	15	30
I24R6190	N	N	N	N	10	5	N	<10	7	N	7	<10
I24R6200	N	N	N	N	10	15	N	<10	30	N	10	10
I24R6210	N	N	N	N	<10	10	N	<10	15	N	10	10
I24R6220	N	N	N	N	<10	<5	N	<10	<5	N	7	10
I24R6230	N	N	N	N	<10	7	N	<10	7	N	10	10
I24R6240	N	N	N	N	<10	7	N	<10	10	N	5	10
I24R6250	N	N	N	5	<10	20	N	<10	50	N	20	50
I24R6260	N	N	N	N	<10	15	N	<10	50	N	10	20
I24R6270	N	N	N	N	<10	10	N	10	15	N	10	20
I24R6280	N	N	N	N	<10	10	N	<10	10	N	7	20
I24R6290	N	N	N	N	<10	10	50	<10	7	N	7	<10
I24R6300	N	N	N	N	<10	5	N	<10	5	N	7	<10
I24R6310	N	N	N	N	<10	15	N	<10	5	N	7	10
I24R6320	N	N	N	N	<10	5	N	10	15	N	10	10
I24R6330	N	N	N	N	<10	5	N	<10	7	N	7	15
I24R6340	N	N	N	N	10	20	N	<10	15	N	15	10
I24R6350	N	N	N	N	10	5	N	<10	5	N	5	<10
I24R6360	N	N	N	N	10	<5	N	<10	<5	N	5	<10
I24R6370	N	N	N	N	10	<5	N	<10	<5	N	5	<10
I24R6380	N	N	N	N	10	<5	N	<10	5	N	7	15
I24R6390	N	N	N	N	10	<5	N	<10	5	N	5	10
I24R6400	N	N	N	N	10	5	N	<10	5	N	7	10
I24R6410	N	N	N	N	10	5	N	<10	5	N	7	10
I24R6420	N	N	N	N	10	5	N	<10	<5	N	5	10
I24R6430	N	N	N	N	10	<5	N	<10	5	N	5	10
I24R6440	N	N	N	N	10	<5	N	<10	15	N	5	10
I24R6450	N	N	N	N	10	<5	N	<10	5	N	<5	<10
I24R6460	N	N	N	N	10	10	N	<10	20	N	7	10
I24R6520	N	N	N	N	10	7	N	10	7	N	7	10
I24R6530	N	N	N	N	10	15	N	50	7	N	7	10
I24R6540	N	N	N	N	10	15	N	100	5	N	7	15
I24R6550	N	N	N	N	20	15	N	100	5	N	5	70
I24R6560	N	N	N	N	10	10	N	100	5	N	5	10
I24R6570	N	N	N	N	10	20	N	150	7	N	<5	10
I24R6580	N	N	N	N	10	15	N	200	10	N	5	15
I24R6590	N	N	N	N	15	15	N	200	10	N	7	20
I24R6600	N	N	N	N	10	10	N	<10	7	N	10	20
I24R6610	N	N	N	N	15	20	N	150	10	N	7	50
I24R6660	N	N	N	N	15	7	N	10	7	N	7	20
I24R6690	N	N	N	N	15	5	N	<10	5	N	7	20
I24R6720	N	N	N	N	15	7	N	10	<5	N	10	150
I24R6750	N	N	N	N	10	10	N	10	<5	N	10	150
I24R6780	N	N	N	N	10	5	N	<10	5	N	7	50
I24R6810	N	N	N	N	10	5	N	<10	<5	N	7	10
I24R6840	N	N	N	N	10	10	N	<10	7	N	10	100
I24R6870	N	N	N	N	10	15	N	10	<5	N	15	300
I24R6900	N	N	N	5	10	7	N	70	<5	N	20	700
I24R6930	<1	N	N	N	10	20	N	50	<5	N	10	300
I24R6960	1.5	N	N	7	20	20	N	100	5	N	50	1,500
I24R6990	3	N	N	10	50	50	N	70	<5	N	70	500
I24R7020	2	N	N	15	50	20	N	70	<5	N	70	1,000
I24R7050	2	N	N	15	20	15	N	100	<5	N	70	1,000
I24R7080	<1	N	N	N	10	7	N	50	<5	N	15	300
I24R7110	N	N	N	N	10	10	N	10	<5	N	10	200

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R6120	N	N	N	100	N	15	<50	N	N	100	<.05	64
I24R6130	N	N	N	100	N	15	<50	N	N	100	<.05	64
I24R6140	N	N	N	100	N	15	<50	N	N	150	<.05	64
I24R6150	N	N	N	100	N	15	<50	N	N	100	<.05	64
I24R6160	N	N	N	100	N	15	<50	N	N	50	<.05	64
I24R6180	N	N	N	<100	N	10	<50	N	N	30	<.05	64
I24R6190	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6200	N	N	N	<100	N	10	<50	N	N	30	<.05	64
I24R6210	N	N	N	<100	N	10	<50	N	N	30	<.05	64
I24R6220	N	N	N	<100	N	<10	50	N	N	<10	<.05	64
I24R6230	N	N	N	<100	N	<10	<50	N	N	<10	<.05	64
I24R6240	N	N	N	<100	N	<10	<50	N	N	<10	<.05	64
I24R6250	N	N	N	<100	N	10	<50	N	N	100	<.05	64
I24R6260	N	N	N	<100	N	<10	<50	N	N	50	<.05	64
I24R6270	N	N	N	<100	N	<10	<50	N	N	50	<.05	64
I24R6280	N	N	N	<100	N	<10	<50	N	N	100	<.05	64
I24R6290	N	N	N	<100	N	<10	<50	N	N	70	<.05	64
I24R6300	N	N	N	<100	N	<10	<50	N	N	70	<.05	64
I24R6310	N	N	N	<100	N	<10	<50	N	N	15	<.05	64
I24R6320	N	N	N	<100	N	<10	<50	N	N	50	<.05	64
I24R6330	N	N	N	<100	N	<10	<50	N	N	30	<.05	64
I24R6340	N	N	N	<100	N	10	<50	N	N	50	<.05	64
I24R6350	N	N	N	<100	N	10	<50	N	N	20	<.05	64
I24R6360	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6370	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6380	N	N	N	<100	N	10	<50	N	N	15	<.05	64
I24R6390	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6400	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6410	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6420	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6430	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6440	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6450	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6460	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6520	N	N	N	<100	N	10	<50	N	N	15	<.05	64
I24R6530	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6540	N	N	N	<100	N	20	N	N	N	<10	<.05	64
I24R6550	N	N	N	<100	N	10	N	N	N	N	<.05	64
I24R6560	N	N	N	<100	N	15	N	N	N	N	<.05	64
I24R6570	N	N	N	100	N	10	N	N	N	<10	<.05	64
I24R6580	N	N	N	<100	N	10	N	N	N	N	<.05	64
I24R6590	N	N	N	<100	N	<10	N	N	N	10	<.05	64
I24R6600	N	N	N	<100	N	10	<50	N	N	<10	<.05	64
I24R6610	N	<5	N	<100	N	20	N	N	N	15	<.05	64
I24R6660	N	N	N	100	N	15	<50	N	N	20	<.05	64
I24R6690	N	N	N	<100	N	15	<50	N	N	<10	<.05	64
I24R6720	N	N	N	<100	N	10	<50	N	N	10	<.05	64
I24R6750	N	N	N	<100	N	10	<50	N	N	30	<.05	64
I24R6780	N	N	N	200	N	10	<50	N	N	10	<.05	64
I24R6810	N	N	N	<100	N	10	<50	N	N	N	<.05	64
I24R6840	N	N	N	<100	N	10	<50	N	N	50	<.05	64
I24R6870	N	N	N	100	N	15	<50	N	<200	100	<.05	64
I24R6900	N	N	N	<100	N	<10	<50	N	<200	20	<.05	64
I24R6930	N	N	N	<100	N	10	<50	N	N	N	<.05	64
I24R6960	N	<5	N	100	N	20	<50	N	300	100	<.05	64
I24R6990	N	5	N	<100	N	50	<50	N	200	70	.14	64
I24R7020	N	5	15	<100	N	50	<50	N	200	70	--	64
I24R7050	N	5	N	<100	N	50	<50	N	300	<10	--	64
I24R7080	N	N	N	<100	N	10	<50	N	<200	<10	<.05	64
I24R7110	N	N	N	<100	N	<10	<50	N	N	N	<.05	66

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I24R7140	37 22 0	89 20 0	.05	2	.02	.02	2	<200	N	20	20
I24R7170	37 22 0	89 20 0	.05	1.5	.03	.07	1	N	N	30	20
I24R7200	37 22 0	89 20 0	.05	7	.5	.2	5	300	N	500	100
I24R7230	37 22 0	89 20 0	.05	10	.2	.07	5	300	N	300	50
I24R7260	37 22 0	89 20 0	.05	7	.05	.03	5	200	N	100	70
I24R7290	37 22 0	89 20 0	.05	5	.1	.05	5	300	N	100	100
I24R7320	37 22 0	89 20 0	2	5	1.5	.2	3	N	N	200	100
I24R7350	37 22 0	89 20 0	.05	5	.3	.2	2	N	N	200	150
I24R7380	37 22 0	89 20 0	<.05	1	.1	.2	.5	N	N	150	200
I24R7410	37 22 0	89 20 0	<.05	1	.05	.1	.5	<200	N	150	100
I24R7440	37 22 0	89 20 0	.05	.7	.1	.07	<.5	N	N	50	50
I24R7470	37 22 0	89 20 0	.15	1	.3	.2	<.5	N	N	200	100
I24R7500	37 22 0	89 20 0	<.05	1.5	.7	.5	N	N	N	500	100
I24R7530	37 22 0	89 20 0	<.05	1	.5	.3	.7	N	N	500	100
I24R7560	37 22 0	89 20 0	<.05	2	.3	.2	1	N	N	200	150
I24R7590	37 22 0	89 20 0	<.05	2	.2	.3	<.5	N	N	200	150
I24R7620	37 22 0	89 20 0	<.05	2	.3	.5	N	N	N	200	200
I24R7650	37 22 0	89 20 0	<.05	1.5	.3	.5	N	N	N	200	300
I24R7680	37 22 0	89 20 0	<.05	1	.3	.5	N	N	N	100	500
I24R7720	37 22 0	89 20 0	.07	.7	.3	.7	N	N	N	150	1,500
I24R7750	37 22 0	89 20 0	.05	1	.3	.7	N	N	N	100	500
I24R7780	37 22 0	89 20 0	.05	1	.3	.7	N	N	N	100	700
I24R7810	37 22 0	89 20 0	.05	1.5	.3	.5	N	N	N	100	2,000
I24R7840	37 22 0	89 20 0	.05	2	.3	.7	.5	N	N	100	1,000
I24R7880	37 22 0	89 20 0	.05	2	.3	.5	.7	N	N	100	1,000
I24R7910	37 22 0	89 20 0	.05	1	.1	.2	N	N	N	70	200
I24R7940	37 22 0	89 20 0	.05	1	.2	.3	N	N	N	100	1,000
I24R7980	37 22 0	89 20 0	<.05	1	.1	.2	N	N	N	50	500
I24R8020	37 22 0	89 20 0	.05	.7	.1	.2	N	N	N	50	700
I24R8060	37 22 0	89 20 0	.05	1	.15	.3	N	N	N	50	500
I24R8090	37 22 0	89 20 0	.05	1	.2	.2	N	N	N	100	500
I24R8120	37 22 0	89 20 0	<.05	.5	.1	.2	N	N	N	20	500
I24R8150	37 22 0	89 20 0	<.05	.7	.1	.2	N	N	N	20	700
I24R8180	37 22 0	89 20 0	<.05	.5	.1	.3	1	<200	N	20	700
I24R8210	37 22 0	89 20 0	.05	1	.15	.5	N	N	N	20	700
I24R8240	37 22 0	89 20 0	<.05	1	.5	.3	N	<200	N	100	500
I24R8270	37 22 0	89 20 0	<.05	1.5	.7	.2	N	N	N	100	500
I24R8300	37 22 0	89 20 0	<.05	.7	.07	.5	N	N	N	50	700

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I24R7140	N	N	N	N	10	10	N	<10	7	N	10	300
I24R7170	<1	N	N	N	10	10	N	<10	10	N	15	100
I24R7200	2	N	N	10	15	30	N	50	15	<20	50	200
I24R7230	1.5	N	N	N	20	30	N	50	15	N	20	500
I24R7260	1	N	N	N	20	15	N	20	5	N	10	200
I24R7290	1	N	N	<5	20	50	N	20	5	N	20	200
I24R7320	2	N	N	15	50	70	N	70	7	N	70	300
I24R7350	1.5	N	N	10	70	70	N	70	20	N	70	300
I24R7380	1.5	N	N	5	50	30	N	20	10	N	20	150
I24R7410	1.5	N	N	N	20	15	N	15	5	N	15	100
I24R7440	<1	N	N	N	10	10	N	10	5	N	10	30
I24R7470	2	N	N	<5	50	20	N	20	10	N	50	50
I24R7500	3	N	N	10	70	70	N	20	7	<20	70	100
I24R7530	2	N	N	7	50	50	N	30	15	N	50	100
I24R7560	1.5	N	N	10	50	50	N	30	20	N	50	300
I24R7590	1	N	N	7	50	50	N	20	20	N	20	300
I24R7620	1	N	N	7	50	30	N	30	20	<20	50	300
I24R7650	<1	N	N	7	50	20	N	20	15	<20	50	100
I24R7680	<1	N	N	7	70	20	N	15	10	N	30	70
I24R7720	<1	N	N	7	70	50	<20	15	10	<20	20	50
I24R7750	1	N	N	7	100	20	<20	15	<5	<20	20	50
I24R7780	<1	N	N	10	50	20	<20	20	7	<20	20	50
I24R7810	1.5	N	N	7	50	20	N	20	7	N	20	50
I24R7840	1	N	20	10	50	30	N	20	15	<20	30	150
I24R7880	1	N	50	5	50	100	N	20	10	N	30	500
I24R7910	1	N	N	<5	20	15	N	10	15	N	10	30
I24R7940	1	N	N	5	30	20	N	15	10	N	15	50
I24R7980	1	N	N	<5	30	15	N	10	N	N	10	100
I24R8020	1	N	N	<5	20	5	N	15	N	N	7	70
I24R8060	1	N	N	<5	20	15	N	15	<5	<20	10	50
I24R8090	1	N	N	5	20	10	N	10	<5	N	10	30
I24R8120	<1	N	N	<5	20	<5	N	<10	N	N	5	15
I24R8150	N	N	N	<5	20	5	N	<10	<5	N	5	20
I24R8180	N	N	N	<5	20	5	N	10	N	N	5	50
I24R8210	<1	N	N	<5	50	7	N	15	5	N	5	30
I24R8240	2	N	N	10	50	15	N	20	7	N	5	70
I24R8270	1.5	N	N	10	50	15	N	20	10	N	5	1,000
I24R8300	1	N	N	N	20	7	N	10	5	N	5	100

TABLE 8--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I24, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I24R7140	N	N	N	<100	N	<10	<50	N	N	N	<.05	66
I24R7170	N	N	N	<100	N	10	<50	N	<200	15	<.05	66
I24R7200	N	5	15	<100	N	50	<50	10	<200	100	.12	66
I24R7230	N	N	100	<100	N	30	<50	N	300	50	.08	66
I24R7260	N	N	N	<100	N	20	<50	N	200	50	<.05	66
I24R7290	N	N	N	700	N	20	<50	N	<200	50	<.05	66
I24R7320	N	5	<10	<100	N	50	<50	N	N	100	.08	66
I24R7350	N	5	N	<100	N	50	50	N	200	100	.07	66
I24R7380	N	N	150	<100	N	30	50	N	N	100	<.05	66
I24R7410	N	N	N	<100	N	30	<50	N	<200	50	<.05	66
I24R7440	N	N	N	<100	N	20	<50	N	N	50	<.05	66
I24R7470	N	5	N	<100	N	50	<50	N	N	100	.11	66
I24R7500	N	7	N	<100	N	50	<50	10	N	150	.17	66
I24R7530	N	5	N	<100	N	50	<50	<10	N	100	.13	66
I24R7560	N	5	N	<100	N	50	<50	<10	N	150	.07	66
I24R7590	N	5	100	<100	N	50	<50	<10	N	100	.07	66
I24R7620	N	<5	N	<100	N	50	<50	<10	N	100	.07	66
I24R7650	N	5	N	<100	N	50	<50	<10	500	100	.09	66
I24R7680	N	5	N	<100	N	50	<50	10	700	100	.1	72
I24R7720	N	5	15	100	N	50	<50	10	N	150	.08	72
I24R7750	N	5	N	100	N	50	<50	10	N	200	.08	72
I24R7780	N	5	20	100	N	50	<50	15	N	200	.05	72
I24R7810	N	5	N	150	N	50	<50	10	300	150	.08	72
I24R7840	N	5	15	100	N	50	<50	20	10,000	300	.1	72
I24R7880	N	5	700	100	N	50	<50	15	>10,000	500	.09	72
I24R7910	N	N	N	<100	N	20	<50	N	200	200	<.05	72
I24R7940	N	N	N	100	N	30	<50	10	1,500	300	.07	72
I24R7980	N	N	N	150	N	20	<50	10	500	300	<.05	72
I24R8020	N	N	N	150	N	15	<50	10	N	200	<.05	72
I24R8060	N	N	N	<100	N	20	<50	10	200	300	<.05	72
I24R8090	N	N	N	<100	N	20	<50	20	N	500	<.05	72
I24R8120	N	N	N	<100	N	20	<50	10	N	500	<.05	72
I24R8150	N	N	N	<100	N	20	<50	15	N	500	<.05	72
I24R8180	N	N	N	<100	N	20	<50	20	N	1,000	<.05	72
I24R8210	N	<5	N	<100	N	20	<50	20	N	1,000	<.05	72
I24R8240	N	<5	N	<100	N	30	<50	20	N	1,000	.05	72
I24R8270	N	<5	N	<100	N	30	70	20	N	700	.05	72
I24R8300	N	<5	N	<100	N	20	<50	20	N	1,000	<.05	72

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I25R0142	37 16 30	88 50 30	.3	.7	.15	.15	N	N	N	100	300
I25R0155	37 16 30	88 50 30	.5	.5	.2	.3	N	N	N	50	300
I25R0165	37 16 30	88 50 30	.5	.5	.2	.2	N	N	N	50	200
I25R0175	37 16 30	88 50 30	.5	.7	.15	.3	N	N	N	50	300
I25R0185	37 16 30	88 50 30	.2	.7	.15	.1	N	N	N	50	200
I25R0190	37 16 30	88 50 30	.2	1	.1	.1	N	N	N	50	200
I25R0195	37 16 30	88 50 30	.3	.5	.15	.1	N	N	N	50	300
I25R0205	37 16 30	88 50 30	.15	.5	.1	.3	N	N	N	30	200
I25R0215	37 16 30	88 50 30	.1	10	.07	.07	N	N	N	100	200
I25R0227	37 16 30	88 50 30	.5	.7	.05	.05	N	N	N	50	150
I25R0269	37 16 30	88 50 30	.15	2	.05	.2	1	N	N	100	100
I25R0280	37 16 30	88 50 30	.1	3	.05	.05	N	N	N	50	100
I25R0291	37 16 30	88 50 30	<.05	1	.02	.1	N	N	N	20	50
I25R0313	37 16 30	88 50 30	.05	5	.03	.15	N	N	N	20	50
I25R0323	37 16 30	88 50 30	.2	2	.02	.1	N	N	N	70	50
I25R0330	37 16 30	88 50 30	.15	1.5	.3	.3	N	N	N	100	200
I25R0345	37 16 30	88 50 30	.15	1.5	.1	.05	N	N	N	100	150
I25R0360	37 16 30	88 50 30	.1	1.5	.2	.2	N	<200	N	150	200
I25R0370	37 16 30	88 50 30	.1	2	.5	1	.7	N	N	150	500
I25R0388	37 16 30	88 50 30	1	1	.3	.1	N	N	N	100	100
I25R0398	37 16 30	88 50 30	.1	1.5	.03	.07	N	N	N	50	100
I25R0419	37 16 30	88 50 30	.15	.5	.07	.07	N	<200	N	100	300
I25R0431	37 16 30	88 50 30	.1	.7	.05	.1	N	<200	N	50	50
I25R0447	37 16 30	88 50 30	.2	1	.1	.1	N	<200	N	100	100
I25R0465	37 16 30	88 50 30	.2	.5	.05	.07	N	<200	N	100	50
I25R0493	37 16 30	88 50 30	.05	.5	.05	.1	N	<200	N	50	50
I25R0514	37 16 30	88 50 30	.15	.5	.03	.07	N	<200	N	50	30
I25R0526	37 16 30	88 50 30	.15	.7	.1	.1	N	N	N	100	150
I25R0536	37 16 30	88 50 30	.1	.7	.15	.3	N	N	N	100	150
I25R0547	37 16 30	88 50 30	.1	1	.1	.2	N	N	N	100	100
I25R0582	37 16 30	88 50 30	.2	1.5	.1	.2	N	N	N	100	100
I25R0602	37 16 30	88 50 30	.15	1.5	.5	.5	N	N	N	200	200
I25R0620	37 16 30	88 50 30	.07	1.5	.2	.3	N	<200	N	200	200
I25R0672	37 16 30	88 50 30	.05	1	.02	.15	N	N	N	50	50
I25R0687	37 16 30	88 50 30	.5	1	.1	.15	N	N	N	100	100
I25R0697	37 16 30	88 50 30	.05	.5	.02	.2	N	<200	N	50	30
I25R0720	37 16 30	88 50 30	.1	1	.1	.2	N	N	N	100	100
I25R0755	37 16 30	88 50 30	.2	1	.1	.2	N	<200	N	100	100
I25R0770	37 16 30	88 50 30	.15	.5	.1	.05	N	N	N	100	50
I25R0781	37 16 30	88 50 30	.2	.2	.05	.03	N	N	N	100	50
I25R0786	37 16 30	88 50 30	.1	.2	.05	.03	N	N	N	100	20
I25R0792	37 16 30	88 50 30	.15	.5	.07	.05	N	N	N	100	70
I25R1728	37 16 30	88 50 30	.05	.7	.07	.1	N	<200	N	70	200
I25R1740	37 16 30	88 50 30	.05	.5	.1	.15	N	N	N	100	100
I25R1750	37 16 30	88 50 30	.07	1	.1	.05	N	N	N	100	30
I25R1769	37 16 30	88 50 30	.1	1.5	.1	.1	N	N	N	100	100
I25R1780	37 16 30	88 50 30	<.05	.07	.02	.01	N	N	N	20	30
I25R1792	37 16 30	88 50 30	.05	.15	.02	.05	N	N	N	50	20
I25R1809	37 16 30	88 50 30	<.05	.1	.02	.05	N	N	N	50	<20
I25R1823	37 16 30	88 50 30	<.05	.07	.02	.015	N	N	N	50	<20
I25R1834	37 16 30	88 50 30	<.05	.05	.02	.01	N	N	N	70	<20
I25R1840	37 16 30	88 50 30	<.05	.1	.02	.02	N	N	N	70	<20
I25R1852	37 16 30	88 50 30	<.05	.1	.02	.02	N	N	N	70	20
I25R1862	37 16 30	88 50 30	<.05	.05	.02	.01	N	N	N	50	<20
I25R1872	37 16 30	88 50 30	<.05	.07	.02	.02	N	N	N	50	20
I25R1878	37 16 30	88 50 30	<.05	.07	.02	.02	N	N	N	50	20
I25R1887	37 16 30	88 50 30	<.05	.07	.02	.02	N	N	N	70	20
I25R1898	37 16 30	88 50 30	<.05	.1	.02	.03	N	N	N	70	<20
I25R1912	37 16 30	88 50 30	<.05	.05	.02	.02	N	N	N	50	<20
I25R1923	37 16 30	88 50 30	<.05	.07	<.02	.02	N	N	N	50	<20

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I25R0142	<1	N	N	N	20	<5	N	50	N	N	10	<10
I25R0155	N	N	N	N	20	<5	N	100	N	N	7	15
I25R0165	<1	N	N	N	20	<5	N	50	N	N	10	10
I25R0175	N	N	N	N	15	<5	N	70	N	N	10	<10
I25R0185	N	N	N	N	15	5	N	50	N	N	10	<10
I25R0190	N	N	N	N	15	<5	N	70	N	N	10	<10
I25R0195	N	N	N	N	20	<5	N	100	N	N	10	<10
I25R0205	N	N	N	N	15	<5	N	50	N	N	7	<10
I25R0215	2	N	N	N	50	5	N	100	N	N	30	<10
I25R0227	<1	N	N	N	15	<5	N	30	N	N	5	10
I25R0269	1.5	N	N	N	15	5	N	70	N	N	30	<10
I25R0280	2	N	N	N	15	5	N	50	N	N	30	<10
I25R0291	N	N	N	N	10	<5	N	10	N	N	7	<10
I25R0313	<1	N	N	N	15	7	N	70	N	N	20	<10
I25R0323	N	N	N	5	15	5	N	50	N	N	15	<10
I25R0330	<1	N	N	<5	50	15	N	50	5	N	30	10
I25R0345	N	N	N	<5	15	7	N	20	<5	N	50	<10
I25R0360	<1	N	N	<5	50	15	N	50	15	<20	30	10
I25R0370	1	N	N	5	200	20	30	70	20	N	50	20
I25R0388	N	N	N	N	20	7	N	15	7	N	100	15
I25R0398	N	N	N	N	20	5	N	50	5	N	15	15
I25R0419	N	N	N	N	20	<5	N	20	<5	N	7	300
I25R0431	N	N	N	N	20	5	N	15	N	N	10	15
I25R0447	N	N	N	N	20	10	N	15	5	N	30	<10
I25R0465	N	N	N	N	15	5	N	10	<5	N	10	<10
I25R0493	N	N	N	N	20	7	N	15	5	N	20	<10
I25R0514	N	N	N	N	15	5	N	15	N	N	10	15
I25R0526	1	N	N	N	50	10	N	20	5	N	30	20
I25R0536	<1	N	N	5	50	10	N	50	5	N	200	50
I25R0547	<1	N	N	N	50	15	N	30	7	N	20	<10
I25R0582	<1	N	N	N	50	15	N	30	5	N	30	<10
I25R0602	1	N	N	5	100	20	N	50	<5	N	50	15
I25R0620	1	N	N	5	50	20	N	50	N	N	30	10
I25R0672	1	N	N	N	15	5	N	30	N	N	7	<10
I25R0687	<1	N	N	N	20	10	N	20	N	N	15	<10
I25R0697	N	N	N	N	15	<5	N	15	N	N	7	<10
I25R0720	N	N	N	<5	20	7	N	20	N	N	20	<10
I25R0755	N	N	N	<5	20	7	N	20	<5	N	20	<10
I25R0770	N	N	N	N	15	<5	N	10	<5	N	10	<10
I25R0781	N	N	N	N	15	<5	N	10	N	N	7	<10
I25R0786	N	N	N	N	15	<5	N	10	N	N	7	<10
I25R0792	N	N	N	N	15	<5	N	15	N	N	10	<10
I25R1728	N	N	N	N	20	15	N	10	7	N	15	<10
I25R1740	<1	N	N	<5	20	20	N	10	7	N	20	<10
I25R1750	N	N	N	<5	15	10	N	<10	<5	N	10	<10
I25R1769	<1	N	N	5	30	20	N	15	7	N	30	<10
I25R1780	N	N	N	N	15	<5	N	<10	N	N	5	N
I25R1792	N	N	N	N	15	<5	N	<10	N	N	5	N
I25R1809	N	N	N	N	15	<5	N	<10	<5	N	5	N
I25R1823	N	N	N	N	15	<5	N	<10	N	N	5	N
I25R1834	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1840	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1852	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1862	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1872	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1878	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1887	N	N	N	N	10	7	N	<10	N	N	<5	N
I25R1898	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1912	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1923	N	N	N	N	10	<5	N	<10	N	N	<5	N

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I25R0142	N	5	N	150	N	50	<50	<10	N	50	<.01	6
I25R0155	N	5	N	150	N	50	<50	10	N	1,000	<.01	6
I25R0165	N	<5	N	150	N	50	<50	10	N	100	<.01	6
I25R0175	N	5	N	150	N	50	<50	10	N	1,000	<.01	6
I25R0185	N	<5	N	100	N	50	<50	<10	N	50	<.01	6
I25R0190	N	<5	N	100	N	50	<50	<10	N	50	<.01	6
I25R0195	N	5	N	150	N	50	<50	10	N	70	<.01	6
I25R0205	N	N	N	<100	N	50	<50	<10	N	100	<.01	6
I25R0215	N	N	N	<100	N	50	<50	10	N	200	<.01	6
I25R0227	N	<5	N	<100	N	30	<50	<10	N	200	<.01	6
I25R0269	N	N	N	<100	N	30	<50	<10	200	200	<.01	6
I25R0280	N	N	N	<100	N	50	<50	<10	200	50	<.01	6
I25R0291	N	N	N	<100	N	10	<50	10	<200	100	<.01	6
I25R0313	N	N	N	<100	N	20	<50	<10	<200	50	<.01	6
I25R0323	N	<5	N	<100	N	20	<50	<10	<200	50	.02	6
I25R0330	N	5	N	<100	N	100	<50	<10	<200	100	.08	6
I25R0345	N	N	N	<100	N	20	<50	N	<200	50	.02	6
I25R0360	N	5	N	>5,000	N	100	<50	<10	500	100	--	6
I25R0370	N	10	N	>5,000	N	200	<50	10	700	50	--	6
I25R0388	N	N	N	150	N	30	<50	N	500	150	--	6
I25R0398	N	N	N	300	N	20	<50	N	<200	70	.02	6
I25R0419	N	N	N	150	N	20	<50	N	<200	50	.01	6
I25R0431	N	N	N	<100	N	20	<50	N	<200	30	.01	6
I25R0447	N	<5	N	100	N	50	<50	N	700	100	.03	6
I25R0465	N	N	N	100	N	30	<50	N	500	20	.02	6
I25R0493	N	N	N	100	N	50	<50	N	<200	50	.03	6
I25R0514	N	N	N	100	N	20	<50	N	<200	30	<.01	6
I25R0526	N	5	N	100	N	70	<50	N	<200	50	.07	6
I25R0536	N	5	N	<100	N	70	<50	N	<200	100	.07	6
I25R0547	N	<5	N	100	N	50	<50	N	<200	100	.05	6
I25R0582	N	5	N	100	N	100	<50	N	700	100	--	6
I25R0602	N	7	N	100	N	150	<50	N	200	100	--	6
I25R0620	N	5	N	100	N	100	<50	N	300	100	--	6
I25R0672	N	<5	N	<100	N	15	<50	N	500	200	--	7
I25R0687	N	<5	N	<100	N	30	<50	N	<200	100	.05	7
I25R0697	N	N	N	<100	N	30	<50	N	<200	50	.02	7
I25R0720	N	<5	N	100	N	50	<50	N	<200	100	--	7
I25R0755	N	<5	N	100	N	30	<50	N	<200	100	--	7
I25R0770	N	N	N	100	N	20	<50	N	<200	100	.02	7
I25R0781	N	N	N	100	N	15	<50	N	N	10	.02	7
I25R0786	N	N	N	<100	N	15	<50	N	N	50	.02	7
I25R0792	N	N	N	<100	N	20	<50	N	N	50	.02	7
I25R1728	N	N	N	<100	N	70	<50	N	<200	50	.01	12
I25R1740	N	<5	N	<100	N	100	<50	N	N	50	.01	12
I25R1750	N	N	N	<100	N	30	<50	N	N	10	.02	12
I25R1769	N	5	N	<100	N	100	<50	N	200	150	.02	12
I25R1780	N	N	N	<100	N	10	<50	N	N	<10	<.01	12
I25R1792	N	N	N	<100	N	10	<50	N	<200	100	<.01	12
I25R1809	N	N	N	<100	N	15	<50	N	N	20	<.01	12
I25R1823	N	N	N	<100	N	15	<50	N	N	20	<.01	12
I25R1834	N	N	N	<100	N	10	<50	N	N	15	<.01	12
I25R1840	N	N	N	<100	N	15	<50	N	N	70	<.01	12
I25R1852	N	N	N	<100	N	15	<50	N	N	50	<.01	12
I25R1862	N	N	N	<100	N	10	<50	N	N	10	<.01	12
I25R1872	N	N	N	<100	N	15	<50	N	<200	50	<.01	12
I25R1878	N	N	N	<100	N	15	<50	N	N	30	<.01	12
I25R1887	N	N	N	<100	N	20	<50	N	N	20	<.01	12
I25R1898	N	N	N	<100	N	20	<50	N	N	70	<.01	12
I25R1912	N	N	N	<100	N	15	<50	N	N	100	<.01	12
I25R1923	N	N	N	<100	N	10	<50	N	N	30	<.01	12

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I25R1934	37 16 30	88 50 30	<.05	.05	.02	.02	N	N	N	50	20
I25R1945	37 16 30	88 50 30	<.05	.05	.02	.02	N	N	N	50	20
I25R1955	37 16 30	88 50 30	<.05	.07	.02	.02	N	N	N	50	<20
I25R1965	37 16 30	88 50 30	<.05	.05	.02	.015	N	N	N	50	<20
I25R1982	37 16 30	88 50 30	<.05	.07	.02	.01	N	N	N	50	<20
I25R1996	37 16 30	88 50 30	<.05	.07	.02	.015	N	N	N	50	<20
I25R2011	37 16 30	88 50 30	<.05	.07	.02	.015	N	N	N	50	<20
I25R2020	37 16 30	88 50 30	.1	.1	.03	.02	N	N	N	70	20
I25R2029	37 16 30	88 50 30	.07	.1	.02	.01	N	N	N	50	<20
I25R2045	37 16 30	88 50 30	.15	.1	.02	.015	N	N	N	100	<20
I25R2097	37 16 30	88 50 30	.05	.5	.05	.07	N	N	N	100	30
I25R2116	37 16 30	88 50 30	<.05	.1	.02	.01	N	N	N	70	N
I25R2128	37 16 30	88 50 30	.05	.1	.02	.005	N	N	N	100	<20
I25R2143	37 16 30	88 50 30	.07	.05	.02	.005	N	N	N	100	20
I25R2155	37 16 30	88 50 30	.15	.07	.02	.002	N	N	N	100	<20
I25R2165	37 16 30	88 50 30	.2	.07	.03	.005	N	N	N	100	20
I25R2175	37 16 30	88 50 30	.2	.07	.02	.007	N	N	N	100	20
I25R2185	37 16 30	88 50 30	.05	.07	.02	.003	N	N	N	100	<20
I25R2195	37 16 30	88 50 30	<.05	.1	.02	.003	N	N	N	100	<20
I25R2204	37 16 30	88 50 30	<.05	.05	.02	.005	N	N	N	100	<20
I25R2215	37 16 30	88 50 30	.05	.05	.02	.003	N	N	N	100	20
I25R2227	37 16 30	88 50 30	.1	.05	.02	.005	N	N	N	100	<20
I25R2238	37 16 30	88 50 30	.05	.05	.02	.003	N	N	N	100	<20
I25R2250	37 16 30	88 50 30	.05	.07	.02	.01	N	N	N	100	<20
I25R2264	37 16 30	88 50 30	.05	.05	.02	.005	N	N	N	150	<20
I25R2275	37 16 30	88 50 30	.07	.1	.02	.005	N	N	N	150	<20
I25R2290	37 16 30	88 50 30	.05	.07	.02	.005	N	N	N	150	<20
I25R2305	37 16 30	88 50 30	.05	.07	.02	.005	N	N	N	150	<20
I25R2320	37 16 30	88 50 30	.07	.07	.02	.005	N	N	N	200	20
I25R2330	37 16 30	88 50 30	.1	.07	.02	.007	N	N	N	200	<20
I25R2340	37 16 30	88 50 30	.1	.07	.02	.005	N	N	N	200	<20
I25R2350	37 16 30	88 50 30	.1	.07	.02	.005	N	N	N	200	<20
I25R2360	37 16 30	88 50 30	.1	.07	<.02	.002	N	N	N	100	<20
I25R2370	37 16 30	88 50 30	.1	1	.02	.002	N	N	N	100	20
I25R2380	37 16 30	88 50 30	.1	.5	<.02	<.002	N	N	N	100	<20
I25R2410	37 16 30	88 50 30	.07	.05	<.02	.002	N	N	N	100	<20
I25R2445	37 16 30	88 50 30	.1	.2	<.02	.005	N	N	N	150	<20
I25R2455	37 16 30	88 50 30	<.05	.1	.02	.005	N	N	N	150	<20
I25R2500	37 16 30	88 50 30	.15	.3	.02	.005	N	N	N	150	<20
I25R2510	37 16 30	88 50 30	.05	.1	.02	.01	N	N	N	100	<20
I25R2525	37 16 30	88 50 30	<.05	.07	<.02	.05	N	N	N	100	<20
I25R2570	37 16 30	88 50 30	.15	.2	.05	.02	N	N	N	100	50
I25R2583	37 16 30	88 50 30	.3	.2	.1	.02	N	N	N	100	20
I25R2592	37 16 30	88 50 30	.05	.1	.05	.015	N	N	N	150	<20
I25R2602	37 16 30	88 50 30	.07	.2	.05	.015	N	N	N	100	20
I25R2613	37 16 30	88 50 30	.07	.1	.03	.015	N	N	N	150	<20
I25R2626	37 16 30	88 50 30	.2	.2	.15	.2	N	N	N	100	20
I25R2649	37 16 30	88 50 30	.2	.3	.2	.03	N	N	N	100	50
I25R2680	37 16 30	88 50 30	.1	.5	.05	.03	N	N	N	150	50
I25R2715	37 16 30	88 50 30	.1	.5	.05	.03	N	N	N	100	20
I25R2740	37 16 30	88 50 30	.05	.5	.05	.05	N	N	N	100	30
I25R2769	37 16 30	88 50 30	.1	.5	.07	.05	N	N	N	100	50
I25R2785	37 16 30	88 50 30	.07	.5	.05	.05	N	N	N	100	50
I25R2808	37 16 30	88 50 30	.05	.5	.05	.05	N	N	N	100	20
I25R2865	37 16 30	88 50 30	.05	1	.05	.07	N	N	N	100	70
I25R2890	37 16 30	88 50 30	.05	1	.03	.07	N	N	N	100	50
I25R2916	37 16 30	88 50 30	.1	.7	.03	.07	N	N	N	100	30
I25R2974	37 16 30	88 50 30	.15	1	.05	.02	N	N	N	100	30
I25R2992	37 16 30	88 50 30	.05	.7	.05	.02	N	N	N	100	20
I25R3000	37 16 30	88 50 30	.05	2	.05	.02	N	N	N	200	<20

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I25R1934	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1945	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1955	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1965	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1982	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R1996	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R2011	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R2020	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R2029	N	N	N	N	10	<5	N	<10	N	N	<5	N
I25R2045	N	N	N	N	10	<5	N	<10	N	N	5	<10
I25R2097	N	N	N	N	10	7	N	10	<5	N	7	<10
I25R2116	N	N	N	N	10	<5	N	<10	N	N	7	<10
I25R2128	N	N	N	N	10	<5	N	<10	N	N	5	<10
I25R2143	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2155	N	N	N	N	10	<5	N	<10	N	N	5	<10
I25R2165	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2175	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2185	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2195	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2204	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2215	N	N	N	N	10	<5	N	<10	<5	N	<5	<10
I25R2227	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2238	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2250	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2264	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2275	N	N	N	N	10	10	N	<10	N	N	<5	<10
I25R2290	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2305	N	N	N	N	10	<5	N	<10	N	N	<5	2,000
I25R2320	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2330	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2340	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2350	N	N	N	N	10	<5	N	<10	N	N	<5	<10
I25R2360	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2370	N	N	N	N	<10	5	N	20	N	N	<5	<10
I25R2380	N	N	N	N	<10	<5	N	20	N	N	<5	<10
I25R2410	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2445	N	N	N	N	<10	<5	N	<10	N	N	<5	15
I25R2455	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2500	N	N	N	N	<10	<5	N	<10	<5	N	<5	<10
I25R2510	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2525	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2570	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2583	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2592	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2602	N	N	N	N	<10	<5	N	<10	N	N	<5	<10
I25R2613	N	N	N	N	20	<5	N	15	N	N	<5	<10
I25R2626	<1	N	N	N	20	7	N	20	N	N	10	1,000
I25R2649	N	N	N	N	<10	5	N	50	N	N	10	10
I25R2680	N	N	N	N	<10	10	N	30	N	N	15	<10
I25R2715	N	N	N	300	200	15	N	10	5	N	15	<10
I25R2740	N	N	N	5	20	5	N	10	<5	N	10	<10
I25R2769	N	N	N	<5	20	5	N	15	<5	N	10	<10
I25R2785	N	N	N	N	15	5	N	20	<5	N	10	<10
I25R2808	N	N	N	N	10	10	N	20	<5	N	10	<10
I25R2865	N	N	N	N	10	7	N	50	<5	N	10	10
I25R2890	N	N	N	N	15	7	N	20	<5	N	7	N
I25R2916	N	N	N	N	15	7	N	15	<5	N	7	<10
I25R2974	N	N	N	N	10	10	N	50	<5	N	10	N
I25R2992	N	N	N	N	10	5	N	20	<5	N	7	N
I25R3000	N	N	N	N	10	100	N	100	5	N	15	N

TABLE 9--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I25, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I25R1934	N	N	N	<100	N	10	<50	N	<200	20	.01	12
I25R1945	N	N	N	<100	N	10	<50	N	N	30	<.01	12
I25R1955	N	N	N	<100	N	10	<50	N	N	10	.01	12
I25R1965	N	N	N	<100	N	10	<50	N	N	10	<.01	12
I25R1982	N	N	N	N	N	10	<50	N	N	15	<.01	12
I25R1996	N	N	N	N	N	10	<50	N	N	20	<.01	12
I25R2011	N	N	N	N	N	10	<50	N	N	N	<.01	12
I25R2020	N	N	N	N	N	15	<50	N	N	N	<.01	12
I25R2029	N	N	N	N	N	10	<50	N	N	30	<.01	12
I25R2045	N	N	N	N	N	10	<50	N	N	10	<.01	12
I25R2097	N	N	N	N	N	20	<50	N	N	20	<.01	12
I25R2116	N	N	N	N	N	10	<50	N	N	<10	<.01	12
I25R2128	N	N	N	N	N	10	<50	N	N	N	<.01	12
I25R2143	N	N	N	N	N	10	<50	N	N	10	<.01	12
I25R2155	N	N	N	N	N	10	<50	N	N	N	<.01	12
I25R2165	N	N	N	N	N	10	<50	N	<200	<10	<.01	12
I25R2175	N	N	N	N	N	10	<50	N	<200	10	<.01	12
I25R2185	N	N	N	N	N	10	<50	N	N	N	<.01	12
I25R2195	N	N	N	N	N	10	<50	N	N	<10	<.01	12
I25R2204	N	N	N	N	N	10	<50	N	N	50	<.01	12
I25R2215	N	N	N	N	N	10	<50	N	N	30	<.01	12
I25R2227	N	N	N	N	N	10	<50	N	N	N	<.01	12
I25R2238	N	N	N	N	N	10	<50	N	N	15	.01	12
I25R2250	N	N	N	N	N	10	<50	N	N	20	<.01	12
I25R2264	N	N	N	N	N	10	<50	N	<200	10	<.01	12
I25R2275	N	N	N	N	N	10	<50	N	N	10	<.01	12
I25R2290	N	N	N	N	N	10	<50	N	N	10	<.01	12
I25R2305	500	N	30	N	N	10	<50	N	N	15	<.01	12
I25R2320	N	N	N	N	N	10	<50	N	N	10	<.01	12
I25R2330	N	N	N	N	N	10	<50	N	<200	10	<.01	12
I25R2340	N	N	N	N	N	10	<50	N	500	10	<.01	12
I25R2350	N	N	N	N	N	10	<50	N	N	15	<.01	12
I25R2360	N	N	N	<100	N	10	<50	N	N	N	<.01	12
I25R2370	N	N	N	<100	N	10	<50	N	N	30	<.01	12
I25R2380	N	N	N	<100	N	10	<50	N	N	N	<.01	12
I25R2410	N	N	N	<100	N	10	<50	N	N	10	<.01	12
I25R2445	N	N	N	<100	N	10	<50	N	N	N	<.01	12
I25R2455	N	N	N	<100	N	15	<50	N	N	10	<.01	12
I25R2500	N	N	N	<100	N	15	<50	N	N	30	.03	12
I25R2510	N	N	N	<100	N	10	<50	N	<200	15	<.01	12
I25R2525	N	N	N	<100	N	15	<50	N	N	N	.01	12
I25R2570	N	N	N	<100	N	15	<50	N	N	<10	.01	12
I25R2583	N	N	N	<100	N	15	<50	N	N	10	.01	12
I25R2592	N	N	N	<100	N	15	<50	N	N	10	<.01	12
I25R2602	N	N	N	<100	N	15	<50	N	N	N	<.01	12
I25R2613	N	N	N	<100	N	15	<50	N	N	10	<.01	12
I25R2626	300	<5	20	<100	N	50	<50	10	N	50	<.01	12
I25R2649	N	N	N	<100	N	15	<50	N	N	10	.01	12
I25R2680	N	N	N	<100	N	15	<50	N	N	15	.01	12
I25R2715	100	5	N	<100	N	20	200	N	N	20	.01	12
I25R2740	N	N	N	<100	N	20	N	N	N	20	.01	12
I25R2769	N	N	N	<100	N	20	N	N	N	30	.01	12
I25R2785	N	N	N	<100	N	20	N	N	N	50	.02	12
I25R2808	N	N	N	<100	N	20	N	N	N	50	.01	12
I25R2865	N	N	N	N	N	20	200	N	N	70	.01	12
I25R2890	N	N	N	100	N	20	50	N	N	70	.01	12
I25R2916	N	N	N	N	N	20	<50	N	N	50	.01	12
I25R2974	N	N	N	N	N	20	<50	N	N	50	.01	12
I25R2992	N	N	N	N	N	20	<50	N	N	50	.01	12
I25R3000	N	N	N	N	N	15	50	N	N	50	<.01	12

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I26, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I26R0175	37 20 30	88 40 30	.05	2	.7	.3	N	N	N	100	100
I26R0190	37 20 30	88 40 30	<.05	1.5	.7	.5	N	N	N	150	100
I26R0195	37 20 30	88 40 30	<.05	2	1	.7	N	N	N	150	150
I26R0210	37 20 30	88 40 30	.05	2	.7	.5	N	N	N	150	700
I26R0220	37 20 30	88 40 30	<.05	2	.5	.5	N	N	N	100	200
I26R0230	37 20 30	88 40 30	.05	.5	.3	.2	N	N	N	70	100
I26R0240	37 20 30	88 40 30	<.05	.15	.02	.05	N	N	N	100	50
I26R0250	37 20 30	88 40 30	<.05	.2	.03	.1	N	N	N	50	50
I26R0260	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	100
I26R0268	37 20 30	88 40 30	<.05	1	.15	.5	N	N	N	150	70
I26R0272	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	150	100
I26R0278	37 20 30	88 40 30	<.05	5	.3	.5	N	N	N	150	200
I26R0282	37 20 30	88 40 30	<.05	2	.5	.7	N	N	N	200	150
I26R0295	37 20 30	88 40 30	<.05	.5	.07	.2	N	N	N	100	2,000
I26R0305	37 20 30	88 40 30	<.05	.5	.1	.2	N	N	N	70	150
I26R0315	37 20 30	88 40 30	<.05	.5	.07	.2	N	N	N	70	150
I26R0325	37 20 30	88 40 30	<.05	.5	.05	.2	N	N	N	100	200
I26R0335	37 20 30	88 40 30	<.05	.7	.05	.2	N	N	N	100	700
I26R0345	37 20 30	88 40 30	<.05	.7	.1	.2	N	N	N	100	700
I26R0355	37 20 30	88 40 30	<.05	1	.15	.5	N	N	N	70	100
I26R0365	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	150
I26R0375	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	200
I26R0385	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	100
I26R0395	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	150
I26R0405	37 20 30	88 40 30	<.05	1	.2	.5	N	N	N	100	150
I26R0415	37 20 30	88 40 30	.05	2	.7	.5	N	N	N	150	300
I26R0425	37 20 30	88 40 30	<.05	1.5	.7	.5	N	N	N	150	300
I26R0435	37 20 30	88 40 30	<.05	2	.7	.5	N	N	N	150	500
I26R0445	37 20 30	88 40 30	<.05	.7	.2	.3	N	N	N	100	2,000
I26R0455	37 20 30	88 40 30	<.05	.5	.15	.5	N	N	N	100	150
I26R0465	37 20 30	88 40 30	<.05	1	.3	.5	N	N	N	100	500
I26R0475	37 20 30	88 40 30	<.05	.7	.2	.5	N	N	N	100	500
I26R0485	37 20 30	88 40 30	<.05	1.5	.7	.7	N	N	N	100	700
I26R0493	37 20 30	88 40 30	<.05	2	.7	1	N	N	N	150	500
I26R0505	37 20 30	88 40 30	<.05	.1	.07	.15	N	N	N	50	700
I26R0515	37 20 30	88 40 30	<.05	.1	.05	.15	N	N	N	50	300
I26R0525	37 20 30	88 40 30	<.05	.5	.07	.1	N	N	N	70	500
I26R0540	37 20 30	88 40 30	<.05	.7	.5	.2	N	N	N	70	100
I26R0550	37 20 30	88 40 30	<.05	3	.5	.5	N	N	N	100	500
I26R0560	37 20 30	88 40 30	<.05	1	.2	.2	N	N	N	70	200
I26R0565	37 20 30	88 40 30	<.05	.7	.2	.3	N	N	N	150	200
I26R0580	37 20 30	88 40 30	<.05	.5	.2	.3	N	N	N	100	200
I26R0590	37 20 30	88 40 30	<.05	1.5	.5	.7	N	N	N	100	1,000
I26R0600	37 20 30	88 40 30	<.05	.7	.15	.2	N	N	N	100	1,000
I26R0610	37 20 30	88 40 30	<.05	1	.2	.3	N	N	N	100	1,000
I26R0625	37 20 30	88 40 30	.05	1	.3	.3	N	N	N	100	2,000
I26R0635	37 20 30	88 40 30	.1	2	.7	.5	N	N	N	150	2,000
I26R0645	37 20 30	88 40 30	.07	2	.5	.5	N	N	N	200	2,000
I26R0655	37 20 30	88 40 30	.1	2	.7	.5	N	N	N	200	1,000
I26R0665	37 20 30	88 40 30	.07	2	1	.5	N	N	N	200	2,000
I26R0675	37 20 30	88 40 30	.07	3	1	.7	N	N	N	150	2,000
I26R0685	37 20 30	88 40 30	.05	3	1	.7	N	N	N	200	2,000
I26R0695	37 20 30	88 40 30	.2	1.5	1	.3	N	N	N	200	1,500
I26R0708	37 20 30	88 40 30	.15	3	1.5	.5	N	N	N	200	1,500
I26R0720	37 20 30	88 40 30	.1	3	1	.5	N	N	N	200	1,500
I26R0730	37 20 30	88 40 30	.1	2	1	.3	N	N	N	150	1,000
I26R0740	37 20 30	88 40 30	.1	5	1	.5	N	N	N	200	1,000
I26R0752	37 20 30	88 40 30	.1	5	1.5	.5	N	N	N	200	2,000
I26R0760	37 20 30	88 40 30	.1	5	1	.5	N	N	N	200	2,000
I26R0770	37 20 30	88 40 30	.05	5	1	.5	N	N	N	100	1,000

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I26, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I26R0175	<1	N	N	20	150	20	N	50	<5	<20	50	10
I26R0190	N	N	N	20	200	10	<20	30	5	<20	50	15
I26R0195	<1	N	N	20	150	20	30	20	5	20	50	15
I26R0210	N	N	N	15	100	15	N	30	<5	<20	50	15
I26R0220	N	N	N	15	50	15	N	50	5	<20	70	20
I26R0230	<1	N	N	N	30	5	N	30	N	<20	7	<10
I26R0240	<1	N	N	N	50	5	N	20	<5	N	5	<10
I26R0250	N	N	N	<5	100	<5	N	20	<5	N	7	<10
I26R0260	1	N	N	10	70	10	N	20	N	<20	50	<10
I26R0268	<1	N	N	7	100	7	N	20	N	<20	30	<10
I26R0272	<1	N	N	7	100	7	N	20	N	<20	10	20
I26R0278	N	N	N	15	100	20	N	70	7	<20	70	<10
I26R0282	1	N	N	15	70	15	N	50	5	20	50	<10
I26R0295	<1	N	N	N	70	5	N	15	<5	N	7	<10
I26R0305	<1	N	N	N	50	5	N	10	<5	N	7	<10
I26R0315	N	N	N	N	50	7	N	15	<5	N	7	<10
I26R0325	N	N	N	N	50	5	N	15	<5	N	7	<10
I26R0335	N	N	N	N	70	<5	N	15	<5	<20	5	<10
I26R0345	<1	N	N	N	70	5	N	15	5	N	10	<10
I26R0355	N	N	N	5	50	15	N	20	<5	<20	10	<10
I26R0365	<1	N	N	<5	50	10	N	50	<5	<20	10	<10
I26R0375	<1	N	N	5	100	10	N	50	5	<20	30	<10
I26R0385	<1	N	N	5	100	10	N	50	5	N	30	<10
I26R0395	<1	N	N	5	100	10	N	30	5	<20	30	<10
I26R0405	<1	N	N	5	100	15	N	50	<5	<20	50	<10
I26R0415	<1	N	N	20	150	20	N	100	<5	20	70	<10
I26R0425	1	N	N	15	150	15	N	50	N	N	70	<10
I26R0435	<1	N	N	20	150	20	N	50	N	20	70	10
I26R0445	<1	N	N	5	100	7	N	30	7	20	30	10
I26R0455	<1	N	N	5	100	5	N	30	N	20	7	10
I26R0465	<1	N	N	7	150	10	N	50	<5	30	30	<10
I26R0475	1.5	N	N	5	150	10	N	50	<5	20	20	<10
I26R0485	2	N	N	15	150	15	30	70	<5	<20	50	10
I26R0493	N	N	N	20	150	30	30	100	5	20	70	10
I26R0505	<1	N	N	N	150	<5	N	20	<5	20	<5	<10
I26R0515	<1	N	N	<5	20	<5	N	20	<5	<20	5	<10
I26R0525	<1	N	N	N	20	<5	N	20	<5	<20	<5	<10
I26R0540	<1	N	N	<5	20	7	N	30	N	<20	10	<10
I26R0550	1.5	N	N	7	100	15	N	70	7	20	70	50
I26R0560	1	N	N	5	70	10	N	50	<5	<20	15	20
I26R0565	1	N	N	<5	20	10	N	50	N	20	10	30
I26R0580	<1	N	N	N	20	10	N	50	<5	<20	20	10
I26R0590	1	N	N	10	100	15	N	100	N	20	15	150
I26R0600	<1	N	N	<5	70	10	N	30	N	N	50	150
I26R0610	1	N	N	<5	50	15	N	30	N	N	15	200
I26R0625	1	N	N	5	100	15	N	50	N	<20	15	100
I26R0635	1	N	N	5	100	15	N	50	N	<20	20	50
I26R0645	1	N	N	10	100	50	N	50	<5	20	50	100
I26R0655	1	N	N	10	150	15	N	100	N	20	50	30
I26R0665	1	N	N	10	100	20	N	70	N	<20	70	300
I26R0675	1.5	N	N	15	150	30	N	100	N	20	70	50
I26R0685	1	N	N	15	200	20	N	100	N	20	70	20
I26R0695	1.5	N	N	5	100	10	30	30	5	<20	100	10
I26R0708	1	N	N	20	150	50	N	100	N	20	70	15
I26R0720	1	N	N	15	150	50	N	70	N	20	100	70
I26R0730	1	N	N	5	100	15	N	50	N	<20	100	10
I26R0740	1	N	N	7	100	15	N	50	N	<20	30	10
I26R0752	1	N	N	7	150	15	N	50	N	<20	50	20
I26R0760	1	N	N	7	100	20	N	50	5	20	70	300
I26R0770	<1	N	N	7	100	30	N	20	<5	N	30	1,000

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I26, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I26R0175	N	15	N	N	N	100	<50	20	N	100	.04	5
I26R0190	N	20	N	N	N	100	<50	20	N	100	.04	5
I26R0195	N	20	N	N	N	150	<50	30	N	150	.05	5
I26R0210	N	15	N	N	N	150	<50	<10	N	150	.04	5
I26R0220	N	15	N	N	N	100	<50	10	N	200	.04	5
I26R0230	N	N	N	N	N	50	50	N	N	200	.01	5
I26R0240	N	N	N	N	N	10	<50	N	N	100	.01	5
I26R0250	N	N	N	N	N	20	50	N	N	150	.01	5
I26R0260	N	7	N	N	N	50	<50	15	N	500	.01	5
I26R0268	N	<5	N	N	N	50	50	10	N	300	.02	5
I26R0272	N	5	N	N	N	50	<50	10	N	200	.02	5
I26R0278	N	15	N	N	N	100	<50	10	N	300	.03	5
I26R0282	N	20	N	N	N	100	<50	10	N	200	.04	5
I26R0295	N	N	N	N	N	20	<50	N	N	500	.01	5
I26R0305	N	N	N	N	N	20	<50	N	N	300	.01	5
I26R0315	N	N	N	N	N	15	<50	N	N	200	.01	5
I26R0325	N	N	N	N	N	15	<50	N	N	300	.01	5
I26R0335	N	N	N	N	N	15	<50	N	N	500	.01	5
I26R0345	N	N	N	N	N	20	<50	N	N	300	.01	5
I26R0355	N	N	N	N	N	20	<50	N	N	300	.01	5
I26R0365	N	5	N	N	N	50	<50	<10	N	500	.01	5
I26R0375	N	5	N	N	N	50	<50	10	N	300	.01	5
I26R0385	N	5	N	N	N	50	<50	10	N	300	.01	5
I26R0395	N	5	N	N	N	50	<50	10	N	500	.01	5
I26R0405	N	5	N	N	N	50	<50	30	N	500	.01	5
I26R0415	N	15	N	N	N	150	<50	20	N	300	.03	5
I26R0425	N	10	N	N	N	100	<50	20	N	300	.03	5
I26R0435	N	10	N	N	N	100	<50	15	N	500	.04	5
I26R0445	N	<5	N	100	N	50	<50	N	N	500	.02	5
I26R0455	N	5	N	<100	N	50	<50	N	N	700	.02	5
I26R0465	N	7	N	N	N	70	<50	N	N	500	.02	5
I26R0475	N	5	N	<100	N	70	<50	N	N	500	.02	5
I26R0485	N	20	N	<100	N	100	100	15	N	300	.03	5
I26R0493	N	20	N	<100	N	100	100	20	N	200	.04	5
I26R0505	N	N	N	<100	N	20	<50	N	N	500	.01	5
I26R0515	N	N	N	<100	N	20	50	N	N	300	.01	5
I26R0525	N	N	N	<100	N	20	50	N	N	500	.01	5
I26R0540	N	N	N	<100	N	30	<50	N	N	300	.01	5
I26R0550	N	10	N	100	N	50	<50	10	N	500	.03	5
I26R0560	N	<5	N	<100	N	30	<50	N	N	300	.03	5
I26R0565	N	<5	N	100	N	50	<50	<10	N	300	.02	5
I26R0580	N	<5	N	100	N	100	<50	<10	N	300	.01	5
I26R0590	N	15	N	100	N	150	<50	20	N	300	.03	5
I26R0600	N	N	N	100	N	50	<50	N	N	300	.01	5
I26R0610	N	5	N	100	N	100	<50	N	N	700	.02	5
I26R0625	N	5	N	100	N	50	<50	N	N	300	.03	5
I26R0635	N	10	N	100	N	100	<50	10	N	300	.06	5
I26R0645	N	15	N	100	N	100	<50	10	N	300	.07	5
I26R0655	N	15	N	100	N	100	<50	10	N	300	.06	5
I26R0665	N	10	N	100	N	100	<50	10	N	200	.08	5
I26R0675	N	15	N	100	N	100	<50	15	N	500	.07	5
I26R0685	N	20	N	100	N	100	<50	30	N	300	.06	5
I26R0695	N	10	N	100	N	70	<50	10	N	150	.07	5
I26R0708	N	20	N	100	N	100	<50	20	N	200	.08	5
I26R0720	N	20	N	100	N	100	<50	20	200	300	.07	5
I26R0730	N	10	N	100	N	70	<50	15	<200	300	.06	5
I26R0740	N	15	N	100	N	100	<50	10	N	200	.07	5
I26R0752	N	15	N	100	N	100	<50	15	N	300	.05	6
I26R0760	N	15	N	100	N	100	<50	30	<200	300	.05	6
I26R0770	N	10	N	100	N	50	<50	<10	N	200	.04	6

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. 126, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I26R0780	37 20 30	88 40 30	.07	1.5	.7	.2	N	N	N	100	1,000
I26R0790	37 20 30	88 40 30	.07	1.5	.7	.3	N	N	N	150	1,000
I26R0800	37 20 30	88 40 30	.05	2	.5	.5	N	N	N	150	1,000
I26R0807	37 20 30	88 40 30	.05	2	1	.5	N	N	N	150	1,500
I26R0816	37 20 30	88 40 30	.07	2	.7	.5	N	N	N	200	700
I26R0845	37 20 30	88 40 30	.07	2	.7	.5	N	N	N	200	1,000
I26R0860	37 20 30	88 40 30	.05	2	1	.5	N	N	N	200	700
I26R0875	37 20 30	88 40 30	.05	1.5	1	.2	N	N	N	150	1,000
I26R0895	37 20 30	88 40 30	.05	2	1	.5	N	N	N	200	700
I26R0915	37 20 30	88 40 30	.05	2	1	.3	N	N	N	200	500
I26R0930	37 20 30	88 40 30	.05	2	1	.5	N	N	N	200	500
I26R0950	37 20 30	88 40 30	.07	2	1	.5	N	N	N	200	3,000
I26R0965	37 20 30	88 40 30	.15	1.5	1	.5	N	N	N	200	5,000
I26R0980	37 20 30	88 40 30	.2	1.5	.5	.3	N	N	N	150	1,500
I26R0990	37 20 30	88 40 30	.2	1	.2	.3	N	N	N	150	1,500
I26R1000	37 20 30	88 40 30	.7	1	.3	.5	N	N	N	100	1,000
I26R1013	37 20 30	88 40 30	15	.5	.2	.15	N	N	N	30	1,500
I26R1027	37 20 30	88 40 30	20	.7	.5	.2	N	N	N	50	3,000
I26R1040	37 20 30	88 40 30	5	1	.5	.3	.7	N	N	100	3,000
I26R1055	37 20 30	88 40 30	1.5	.2	.1	.07	N	N	N	70	700
I26R1072	37 20 30	88 40 30	2	1	.2	.2	1.5	N	N	100	100
I26R1081	37 20 30	88 40 30	3	1	.2	.2	1	N	N	100	100
I26R1090	37 20 30	88 40 30	10	.5	.15	.03	N	N	N	50	100
I26R1140	37 20 30	88 40 30	>20	.7	.2	.1	N	<200	N	100	1,000
I26R1169	37 20 30	88 40 30	1	1	.2	.2	N	N	N	100	2,000
I26R1187	37 20 30	88 40 30	.3	.5	.1	.03	N	N	N	50	500
I26R1217	37 20 30	88 40 30	.3	.3	.1	.1	N	N	N	50	700
I26R1235	37 20 30	88 40 30	.5	.5	.2	.2	N	N	N	100	5,000
I26R1256	37 20 30	88 40 30	.2	.15	.1	.03	N	N	N	150	150
I26R1267	37 20 30	88 40 30	.15	.1	.1	.02	N	<200	N	100	100
I26R1278	37 20 30	88 40 30	.2	.15	.1	.02	N	<200	N	100	100
I26R1299	37 20 30	88 40 30	.2	.3	.1	.05	N	N	N	150	200
I26R1322	37 20 30	88 40 30	.5	.5	.15	.07	N	N	N	150	100
I26R1352	37 20 30	88 40 30	.2	.2	.07	.01	N	N	N	150	100
I26R1364	37 20 30	88 40 30	.1	.15	.1	.05	N	N	N	150	150
I26R1381	37 20 30	88 40 30	.2	.7	.15	.15	N	<200	N	200	50
I26R1390	37 20 30	88 40 30	.15	.1	.07	.015	N	N	N	100	70
I26R1400	37 20 30	88 40 30	.2	.2	.1	.05	N	N	N	150	100
I26R1415	37 20 30	88 40 30	.3	1	.1	.2	N	N	N	100	1,000
I26R1437	37 20 30	88 40 30	1.5	1	.15	.1	N	N	N	100	700
I26R1461	37 20 30	88 40 30	20	1	2	.02	N	N	N	50	100
I26R1475	37 20 30	88 40 30	2	.5	.5	.02	N	N	N	70	20
I26R1486	37 20 30	88 40 30	1.5	.5	.2	.02	N	N	N	50	20
I26R1500	37 20 30	88 40 30	2	.7	.3	.1	N	N	N	100	500
I26R1514	37 20 30	88 40 30	1	1	.2	.15	N	N	N	100	150
I26R1527	37 20 30	88 40 30	3	1	.3	.15	N	N	N	100	150
I26R1542	37 20 30	88 40 30	.1	.7	.3	.2	N	N	N	100	200
I26R1558	37 20 30	88 40 30	1	2	.5	.2	1.5	N	N	100	200
I26R1574	37 20 30	88 40 30	1.5	2	.7	.3	1	N	N	150	300
I26R1590	37 20 30	88 40 30	15	1	1	.1	N	N	N	100	150
I26R1601	37 20 30	88 40 30	.2	1.5	.5	.3	.5	N	N	200	200
I26R1615	37 20 30	88 40 30	.2	.7	.1	.05	N	N	N	70	1,000
I26R1630	37 20 30	88 40 30	.15	1	.1	.05	<.5	N	N	70	3,000
I26R1642	37 20 30	88 40 30	.07	1	.2	.2	.5	N	N	150	500
I26R1657	37 20 30	88 40 30	.1	1	.2	.15	.7	N	N	100	5,000
I26R1680	37 20 30	88 40 30	.15	1	.2	.15	.5	N	N	100	500
I26R1709	37 20 30	88 40 30	.1	1	.1	.07	N	N	N	70	500
I26R1740	37 20 30	88 40 30	.2	1	.2	.1	N	N	N	100	200
I26R1773	37 20 30	88 40 30	.2	.5	.1	.05	N	N	N	50	3,000
I26R1800	37 20 30	88 40 30	.15	1	.2	.15	N	N	N	70	200

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I26, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I26R0780	<1	N	N	10	100	15	N	50	<5	<20	50	50
I26R0790	1	N	N	15	100	20	N	100	<5	20	30	70
I26R0800	<1	N	N	20	100	15	N	50	<5	20	50	50
I26R0807	<1	N	N	20	100	30	N	50	5	20	50	50
I26R0816	1	N	N	20	100	50	N	50	<5	20	50	10
I26R0845	1	N	N	15	150	20	N	50	<5	<20	50	30
I26R0860	<1	N	N	20	150	30	N	100	<5	20	70	20
I26R0875	N	N	N	10	100	20	N	50	10	N	50	100
I26R0895	N	N	N	15	150	150	N	70	7	20	50	30
I26R0915	N	N	N	15	150	15	N	70	5	<20	70	20
I26R0930	N	N	N	15	100	15	N	70	7	20	70	50
I26R0950	<1	N	N	15	150	20	N	70	10	20	100	50
I26R0965	1	N	N	15	150	20	30	100	15	20	70	70
I26R0980	2	N	N	10	100	20	N	50	10	20	50	50
I26R0990	<1	N	N	10	100	30	N	100	7	<20	50	50
I26R1000	<1	N	50	7	100	200	N	50	7	<20	50	100
I26R1013	1	N	500	<5	50	30	N	30	5	N	30	50
I26R1027	N	N	100	7	150	50	N	30	10	N	70	30
I26R1040	1	N	100	5	70	50	N	30	5	N	50	70
I26R1055	<1	N	30	N	20	10	N	20	<5	N	30	15
I26R1072	1	N	70	N	50	30	N	20	<5	<20	15	200
I26R1081	1	N	50	5	50	10	N	30	<5	<20	50	150
I26R1090	<1	N	30	N	15	20	N	<10	5	N	15	100
I26R1140	1	N	50	5	20	20	N	20	<5	<20	50	10
I26R1169	1	N	20	5	50	30	N	20	5	<20	50	100
I26R1187	<1	N	N	N	20	7	N	20	N	<20	20	<10
I26R1217	<1	N	<20	5	20	7	N	20	N	<20	20	10
I26R1235	1	N	N	5	50	10	N	30	<5	<20	100	<10
I26R1256	<1	N	N	N	50	5	N	30	N	<20	7	<10
I26R1267	<1	N	N	N	50	7	N	20	N	<20	10	<10
I26R1278	<1	N	N	<5	50	20	N	20	5	<20	10	<10
I26R1299	N	N	N	N	50	7	N	20	5	<20	30	<10
I26R1322	<1	N	N	N	20	10	N	30	5	<20	50	<10
I26R1352	<1	N	N	N	30	<5	N	30	5	<20	10	<10
I26R1364	<1	N	N	N	20	<5	N	20	5	<20	7	<10
I26R1381	<1	N	N	N	20	7	N	30	20	<20	30	<10
I26R1390	<1	N	N	N	20	<5	N	20	5	<20	5	<10
I26R1400	<1	N	N	N	20	5	N	20	5	<20	20	<10
I26R1415	<1	N	N	N	20	10	N	30	10	<20	70	<10
I26R1437	<1	N	N	N	50	10	N	20	7	<20	50	<10
I26R1461	<1	N	N	N	50	10	N	50	20	<20	15	20
I26R1475	1	N	N	<5	50	7	N	20	7	<20	10	<10
I26R1486	<1	N	N	<5	50	10	N	30	7	<20	10	<10
I26R1500	1	N	N	<5	50	10	N	30	5	<20	10	<10
I26R1514	1	N	N	5	70	20	N	50	20	<20	50	50
I26R1527	<1	N	N	5	70	15	N	50	7	<20	50	30
I26R1542	2	N	N	7	100	10	N	30	10	<20	30	20
I26R1558	1	N	N	10	150	50	N	100	20	20	70	70
I26R1574	1	N	N	15	150	50	N	100	20	20	100	50
I26R1590	1.5	N	N	5	100	15	N	100	15	<20	50	30
I26R1601	1.5	N	N	7	150	20	N	100	20	20	70	50
I26R1615	1	N	N	<5	100	7	N	20	10	N	50	10
I26R1630	1	N	N	<5	100	15	N	30	10	N	50	30
I26R1642	1	N	N	5	100	20	N	50	15	<20	70	50
I26R1657	1	N	N	5	100	20	N	50	10	<20	70	15
I26R1680	1	N	N	5	150	20	N	50	7	N	70	30
I26R1709	1	N	N	5	100	15	N	30	7	N	50	10
I26R1740	1	N	N	5	100	15	N	50	7	N	50	<10
I26R1773	1	N	N	<5	100	10	N	20	7	N	30	<10
I26R1800	1	N	N	5	100	15	N	50	7	<20	50	100

TABLE 10--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I26, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I26R0780	N	7	N	<100	N	100	<50	N	N	100	.06	6
I26R0790	N	10	N	<100	N	100	<50	N	N	200	.04	6
I26R0800	N	10	N	<100	N	100	<50	N	N	300	.03	6
I26R0807	N	15	N	<100	N	100	<50	20	N	300	.06	6
I26R0816	N	15	N	<100	N	100	<50	20	N	500	.06	6
I26R0845	N	15	N	100	N	100	<50	20	<200	200	.08	6
I26R0860	N	15	N	<100	N	100	<50	20	<200	200	.1	6
I26R0875	N	7	N	<100	N	100	<50	<10	N	100	.14	6
I26R0895	N	10	N	<100	N	100	<50	10	N	200	.16	6
I26R0915	N	10	N	<100	N	100	<50	10	N	300	.11	6
I26R0930	N	10	N	<100	N	100	<50	<10	N	200	.09	6
I26R0950	N	10	N	<100	N	100	<50	20	200	200	.14	6
I26R0965	N	10	N	100	N	100	<50	20	200	300	.18	6
I26R0980	N	7	N	<100	N	100	<50	15	300	300	.26	6
I26R0990	N	5	N	<100	N	50	<50	<10	700	200	.06	6
I26R1000	N	5	N	<100	N	70	<50	N	10,000	200	.62	6
I26R1013	N	N	N	<100	N	50	<50	N	>10,000	100	5.98	6
I26R1027	N	N	N	<100	N	100	<50	N	>10,000	200	11	6
I26R1040	N	7	N	150	N	100	<50	N	>10,000	300	2.38	6
I26R1055	N	N	N	200	N	30	<50	N	10,000	15	1.68	6
I26R1072	N	N	N	<100	N	70	50	N	>10,000	100	1.58	6
I26R1081	N	N	N	<100	N	50	50	N	>10,000	200	5.98	6
I26R1090	N	N	N	<100	N	20	N	N	5,000	50	26	6
I26R1140	N	N	N	1,000	N	50	<50	N	>10,000	200	3.78	6
I26R1169	N	N	N	3,000	N	100	50	N	10,000	300	.22	6
I26R1187	N	N	N	100	N	20	50	N	1,000	20	.11	6
I26R1217	N	N	N	300	N	50	50	N	5,000	300	.24	6
I26R1235	N	N	N	3,000	N	100	50	N	500	500	.13	6
I26R1256	N	N	N	<100	N	50	50	N	200	N	.02	6
I26R1267	N	N	N	<100	N	30	50	N	<200	N	.01	6
I26R1278	N	N	N	<100	N	30	50	N	200	10	.02	6
I26R1299	N	N	N	1,000	N	30	50	N	300	N	.12	6
I26R1322	N	N	N	200	N	50	50	N	<200	20	.23	6
I26R1352	N	N	N	1,000	N	20	50	N	<200	<10	.16	6
I26R1364	N	N	N	200	N	20	50	N	N	<10	.01	6
I26R1381	N	N	N	200	N	50	50	N	700	200	.05	6
I26R1390	N	N	N	<100	N	30	50	N	N	N	.01	6
I26R1400	N	N	N	500	N	50	50	N	N	30	.02	6
I26R1415	N	N	N	1,500	N	70	50	N	N	50	.03	6
I26R1437	N	N	N	300	N	50	50	N	<200	30	.03	6
I26R1461	N	N	N	700	N	30	<50	N	N	10	.06	6
I26R1475	N	N	N	<100	N	20	<50	N	N	<10	.24	6
I26R1486	N	N	N	<100	N	20	<50	N	200	10	.09	6
I26R1500	N	<5	N	<100	N	50	<50	N	N	100	.16	6
I26R1514	N	N	N	<100	N	70	<50	N	<200	150	.7	6
I26R1527	N	N	N	1,500	N	50	<50	N	N	100	.82	7
I26R1542	N	5	N	100	N	70	<50	N	N	100	.1	7
I26R1558	N	5	N	100	N	100	<50	N	200	100	.42	7
I26R1574	N	10	N	<100	N	150	<50	N	N	20	.22	7
I26R1590	N	7	N	100	N	100	<50	N	N	50	.13	7
I26R1601	N	10	N	<100	N	100	<50	N	<200	150	.19	7
I26R1615	N	<5	N	100	N	50	<50	N	N	20	.08	7
I26R1630	N	N	N	500	N	50	<50	N	N	20	.1	7
I26R1642	N	5	N	<100	N	100	<50	N	<200	100	.12	7
I26R1657	N	<5	N	700	N	100	<50	N	700	100	.07	7
I26R1680	N	<5	N	<100	N	100	<50	N	<200	150	.07	7
I26R1709	N	N	N	<100	N	50	<50	N	N	50	.05	7
I26R1740	N	N	N	N	N	50	<50	N	200	70	.05	7
I26R1773	N	N	N	1,500	N	30	<50	N	<200	50	.1	7
I26R1800	N	<5	N	1,000	N	70	<50	N	N	100	.15	7

TABLE 11--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I27, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I27R0467	37 29 30	88 26 30	.15	.7	.15	.3	N	200	N	100	150
I27R0477	37 29 30	88 26 30	.5	2	.3	.5	1	<200	N	150	200
I27R0487	37 29 30	88 26 30	2	.2	.5	.2	N	N	N	150	200
I27R0497	37 29 30	88 26 30	1	.5	.5	.3	N	N	N	150	100
I27R0507	37 29 30	88 26 30	1.5	.1	.3	.15	N	200	N	150	50
I27R0517	37 29 30	88 26 30	2	.7	.3	.3	N	200	N	200	100
I27R0527	37 29 30	88 26 30	2	5	.15	.2	3	200	N	150	100
I27R0537	37 29 30	88 26 30	1	.7	.15	.07	N	<200	N	100	30
I27R0547	37 29 30	88 26 30	2	.2	.15	.07	N	<200	N	100	20
I27R0564	37 29 30	88 26 30	2	.5	.2	.2	N	<200	N	100	100
I27R0574	37 29 30	88 26 30	.3	5	.3	.2	N	200	N	100	200
I27R0584	37 29 30	88 26 30	1	1	.3	.5	.7	<200	N	150	200
I27R0594	37 29 30	88 26 30	3	1	.2	.1	.5	<200	N	150	200
I27R0604	37 29 30	88 26 30	1.5	.7	.2	.1	N	<200	N	100	200
I27R0614	37 29 30	88 26 30	1.5	.7	.1	.1	N	<200	N	100	70
I27R0620	37 29 30	88 26 30	2	.3	.15	.05	N	<200	N	50	200
I27R0633	37 29 30	88 26 30	2	.2	.5	.05	N	<200	N	100	100
I27R0643	37 29 30	88 26 30	3	.7	.7	.15	5	200	N	70	200
I27R0653	37 29 30	88 26 30	7	.5	.5	.15	N	<200	N	50	500
I27R0663	37 29 30	88 26 30	3	.7	.1	.1	N	200	N	70	150
I27R0673	37 29 30	88 26 30	10	.2	.05	.05	N	N	N	50	100
I27R0683	37 29 30	88 26 30	2	5	.15	.2	N	<200	N	100	150
I27R0693	37 29 30	88 26 30	2	.5	.1	.03	N	N	N	50	100
I27R0703	37 29 30	88 26 30	1	.5	.1	.1	N	<200	N	100	100
I27R0713	37 29 30	88 26 30	.5	.5	.1	.05	N	N	N	50	>5,000
I27R0723	37 29 30	88 26 30	1	.5	.1	.07	1	N	N	100	150
I27R0733	37 29 30	88 26 30	.7	.5	.3	.2	N	<200	N	150	100
I27R0743	37 29 30	88 26 30	.3	.5	.15	.2	N	<200	N	100	100
I27R0753	37 29 30	88 26 30	.5	.7	.15	.2	.7	<200	N	50	100
I27R0763	37 29 30	88 26 30	5	3	.15	.15	N	N	N	70	100
I27R0773	37 29 30	88 26 30	20	.5	.15	.15	N	N	N	50	70
I27R0783	37 29 30	88 26 30	5	.7	.2	.2	N	N	N	50	70
I27R0792	37 29 30	88 26 30	3	.15	.3	.02	N	200	N	70	20
I27R0805	37 29 30	88 26 30	.5	.1	.07	.015	N	N	N	50	20
I27R0815	37 29 30	88 26 30	.3	.2	.1	.05	N	200	N	100	70
I27R0825	37 29 30	88 26 30	.5	.7	.2	.2	.5	200	N	100	150
I27R0834	37 29 30	88 26 30	7	.7	.5	.3	N	N	N	100	300

TABLE 11--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I27, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I27R0467	1	N	N	<5	100	70	N	30	30	70	15	30
I27R0477	1.5	N	N	5	100	100	N	50	30	100	50	100
I27R0487	<1	N	N	5	70	10	N	30	15	50	15	30
I27R0497	1	N	N	5	100	50	N	20	50	50	30	50
I27R0507	1	N	N	<5	50	15	N	20	10	30	10	30
I27R0517	1	N	N	5	100	100	N	30	50	70	50	50
I27R0527	<1	N	N	5	100	150	50	30	300	50	150	100
I27R0537	<1	N	N	<5	50	15	N	30	50	70	20	10
I27R0547	<1	N	N	<5	30	7	N	20	10	200	10	15
I27R0564	1	N	N	5	50	15	N	50	5	20	20	30
I27R0574	1	N	N	15	70	10	N	30	<5	<20	100	20
I27R0584	2	N	N	15	100	15	N	30	<5	30	70	10
I27R0594	1	N	N	<5	100	20	N	50	20	100	30	20
I27R0604	<1	N	N	<5	70	15	N	50	10	<20	50	20
I27R0614	<1	N	N	<5	70	10	N	50	15	<20	15	15
I27R0620	<1	N	N	<5	30	7	N	30	10	N	10	15
I27R0633	<1	N	N	<5	50	5	N	70	5	N	10	10
I27R0643	<1	N	N	5	50	20	N	100	<5	<20	50	10
I27R0653	<1	N	N	5	50	20	N	50	<5	N	70	10
I27R0663	1	N	N	5	50	20	N	30	<5	<20	30	10
I27R0673	N	N	N	<5	20	10	N	<10	5	N	7	<10
I27R0683	<1	N	N	7	200	50	70	100	5	20	100	15
I27R0693	<1	N	N	<5	20	15	N	30	<5	<20	10	15
I27R0703	<1	N	N	5	20	15	N	20	N	<20	20	20
I27R0713	<1	N	N	N	15	15	N	10	N	<20	10	<10
I27R0723	<1	N	N	N	20	15	N	15	N	N	7	<10
I27R0733	<1	N	N	N	50	20	N	20	5	20	15	10
I27R0743	<1	N	N	5	50	20	N	20	<5	20	30	15
I27R0753	<1	N	N	15	50	15	N	20	N	20	30	15
I27R0763	<1	N	N	10	50	50	N	10	5	<20	100	50
I27R0773	<1	N	N	<5	50	15	N	10	7	<20	70	<10
I27R0783	<1	N	N	5	100	15	N	15	N	<20	100	<10
I27R0792	<1	N	N	<5	50	<5	N	30	N	<20	7	<10
I27R0805	<1	N	N	<5	50	5	N	20	N	<20	10	<10
I27R0815	<1	N	N	<5	70	<5	N	20	7	<20	50	<10
I27R0825	<1	N	N	5	100	15	N	30	20	20	150	30
I27R0834	<1	N	N	10	100	15	70	15	20	30	100	20

TABLE 11--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I27, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I27R0467	N	<5	N	<100	N	100	50	N	N	300	.05	6
I27R0477	N	5	N	150	N	100	50	N	N	300	.16	6
I27R0487	N	N	N	>5,000	N	100	50	N	N	300	.11	6
I27R0497	N	N	N	200	N	70	50	N	N	300	1.26	6
I27R0507	N	N	N	100	N	50	50	N	N	200	.34	6
I27R0517	N	<5	N	100	N	100	50	N	N	300	.83	6
I27R0527	N	N	N	100	N	50	50	N	N	300	--	6
I27R0537	N	N	N	100	N	30	50	N	N	200	.06	6
I27R0547	N	N	N	200	N	30	50	N	N	300	.46	6
I27R0564	N	<5	N	200	N	50	50	N	N	300	.07	6
I27R0574	N	5	N	700	N	70	50	N	N	200	.7	6
I27R0584	N	5	N	100	N	100	50	N	N	300	.12	6
I27R0594	N	N	N	<100	N	50	50	N	N	300	.03	6
I27R0604	N	N	N	5,000	N	70	50	N	N	300	1.28	6
I27R0614	N	N	N	200	N	50	50	N	N	150	--	6
I27R0620	N	N	N	100	N	50	50	N	<200	30	.01	6
I27R0633	N	N	N	100	N	50	50	N	<200	<10	.02	6
I27R0643	N	N	N	2,000	N	70	50	N	N	100	.82	6
I27R0653	N	N	N	5,000	N	70	50	N	N	150	1.88	6
I27R0663	N	N	N	1,500	N	50	50	N	N	100	.5	6
I27R0673	N	N	N	>5,000	N	30	<50	N	N	10	.98	6
I27R0683	N	N	N	>5,000	N	70	<50	N	N	300	1.28	6
I27R0693	N	N	N	2,000	N	20	<50	N	N	70	1.98	6
I27R0703	N	N	N	2,000	N	30	50	N	N	200	.82	6
I27R0713	N	N	N	>5,000	N	20	<50	N	500	100	.18	6
I27R0723	N	N	N	>5,000	N	20	<50	N	200	100	1.68	6
I27R0733	N	N	N	1,500	N	50	50	N	N	300	.24	6
I27R0743	N	N	N	300	N	50	<50	N	N	300	.26	6
I27R0753	N	N	N	200	N	50	<50	N	N	300	.28	6
I27R0763	N	N	N	200	N	30	<50	N	N	70	2.58	6
I27R0773	N	N	N	700	N	50	<50	N	N	70	3.58	6
I27R0783	N	N	N	500	N	70	<50	N	N	100	.32	6
I27R0792	N	N	N	<100	N	30	50	N	N	N	.02	6
I27R0805	N	N	N	<100	N	30	<50	N	N	N	.02	6
I27R0815	N	N	N	<100	N	30	50	N	<200	30	.01	6
I27R0825	N	N	N	150	N	100	50	N	300	150	.38	6
I27R0834	N	10	N	>5,000	N	150	<50	20	N	300	.38	6

TABLE 12--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I28, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct.	Fe-pct.	Mg-pct.	Ti-pct.	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s
I28R0060	37 34 0	88 24 20	.1	1	.15	.15	N	N	N	100	100
I28R0205	37 34 0	88 24 20	.1	1	.5	.7	N	N	N	200	200
I28R0220	37 34 0	88 24 20	<.05	1	.5	.5	N	N	N	200	150
I28R0230	37 34 0	88 24 20	.05	1	.5	.3	N	<200	N	200	200
I28R0240	37 34 0	88 24 20	.05	1	.5	.7	.7	200	N	300	200
I28R0260	37 34 0	88 24 20	.05	.7	.15	.2	N	300	N	200	1,000
I28R0270	37 34 0	88 24 20	<.05	.7	.3	1	N	N	N	200	150
I28R0280	37 34 0	88 24 20	<.05	.5	.2	.7	N	200	N	200	100
I28R0290	37 34 0	88 24 20	<.05	.5	.3	1	N	<200	N	300	150
I28R0305	37 34 0	88 24 20	<.05	.7	.5	1	N	N	N	200	200
I28R0315	37 34 0	88 24 20	<.05	.7	.3	.7	N	N	N	150	150
I28R0330	37 34 0	88 24 20	<.05	1	.5	1	N	<200	N	200	200
I28R0345	37 34 0	88 24 20	<.05	1	.5	1	N	N	N	200	150
I28R0360	37 34 0	88 24 20	<.05	.15	.1	.2	N	N	N	70	N
I28R0375	37 34 0	88 24 20	.05	.1	.1	.2	N	200	N	70	100
I28R0380	37 34 0	88 24 20	.1	15	.3	.05	5	<200	N	300	>5,000
I28R0388	37 34 0	88 24 20	.2	2	.5	.5	N	N	N	500	2,000
I28R0392	37 34 0	88 24 20	.15	1.5	.7	.5	N	200	N	500	500
I28R0405	37 34 0	88 24 20	.1	1	.7	.5	N	N	N	200	150
I28R0420	37 34 0	88 24 20	.1	1	.7	.7	N	N	N	300	200
I28R0440	37 34 0	88 24 20	<.05	.7	.7	.7	N	N	N	200	100
I28R0457	37 34 0	88 24 20	.15	5	.5	.3	N	N	N	200	70
I28R0465	37 34 0	88 24 20	.07	1	.5	>1	N	N	N	200	150
I28R0480	37 34 0	88 24 20	<.05	1	1	1	N	N	N	200	200
I28R0490	37 34 0	88 24 20	.07	.7	1	.5	N	N	N	200	200
I28R0500	37 34 0	88 24 20	.1	.5	.3	.5	N	N	N	150	2,000
I28R0545	37 34 0	88 24 20	.05	2	.3	.2	N	N	N	150	300
I28R0550	37 34 0	88 24 20	<.05	1	.7	.7	N	N	N	200	200
I28R0560	37 34 0	88 24 20	<.05	1	.5	.5	N	N	N	200	200
I28R0570	37 34 0	88 24 20	<.05	1	.5	.5	N	N	N	150	200
I28R0580	37 34 0	88 24 20	<.05	1	.7	.7	N	N	N	200	200
I28R0595	37 34 0	88 24 20	<.05	.5	.2	.3	N	N	N	150	100
I28R0620	37 34 0	88 24 20	2	.1	.2	.2	N	N	N	50	300
I28R0635	37 34 0	88 24 20	.3	<.05	.1	.1	N	N	N	70	50
I28R0650	37 34 0	88 24 20	2	<.05	.15	.2	N	N	N	70	100
I28R0665	37 34 0	88 24 20	1.5	.15	.2	.2	N	N	N	50	50
I28R0675	37 34 0	88 24 20	1	.1	.2	.2	N	N	N	50	50
I28R0690	37 34 0	88 24 20	2	.05	.2	.3	N	N	N	50	100
I28R0705	37 34 0	88 24 20	.3	.2	.3	.2	N	N	N	100	100
I28R0720	37 34 0	88 24 20	.2	.15	.3	.3	N	N	N	150	200
I28R0735	37 34 0	88 24 20	.15	.2	.3	.2	N	N	N	70	50
I28R0750	37 34 0	88 24 20	.05	.05	.2	.15	N	N	N	70	100
I28R0765	37 34 0	88 24 20	.15	.07	.2	.3	N	N	N	50	30
I28R0780	37 34 0	88 24 20	.15	.07	.3	.2	N	N	N	50	50
I28R0795	37 34 0	88 24 20	.2	<.05	.2	.05	N	N	N	50	30
I28R0809	37 34 0	88 24 20	.7	.07	.2	.1	N	N	N	50	20
I28R0820	37 34 0	88 24 20	.15	.1	.5	.2	N	300	N	70	500
I28R0830	37 34 0	88 24 20	.1	.07	.15	.15	N	N	N	50	50
I28R0840	37 34 0	88 24 20	.5	.05	.2	.2	N	N	N	50	100
I28R0850	37 34 0	88 24 20	.5	.07	.15	.15	N	N	N	50	100
I28R0860	37 34 0	88 24 20	.3	.1	.2	.15	N	N	N	70	2,000
I28R0868	37 34 0	88 24 20	.1	1.5	.7	.7	N	N	N	200	500
I28R0878	37 34 0	88 24 20	.7	.7	1	.5	N	N	N	200	500
I28R0888	37 34 0	88 24 20	20	.5	1	.15	N	N	N	150	300
I28R0898	37 34 0	88 24 20	15	1	.7	.2	N	N	N	100	700
I28R0907	37 34 0	88 24 20	.5	.7	.5	.3	N	N	N	200	2,000
I28R0917	37 34 0	88 24 20	.3	1	.7	.5	N	N	N	200	5,000
I28R0926	37 34 0	88 24 20	.15	1	.7	.7	N	N	N	200	2,000
I28R0936	37 34 0	88 24 20	.7	1	1	.7	N	N	N	200	500
I28R0946	37 34 0	88 24 20	1.5	1	1	.5	N	N	N	200	>5,000

TABLE 12--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I28, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I28R0060	1	N	N	7	70	10	N	70	7	<20	30	30
I28R0205	1	N	N	15	150	30	50	50	5	20	50	20
I28R0220	<1	N	N	15	150	20	N	50	<5	20	50	20
I28R0230	1	N	N	15	200	15	N	100	5	20	70	50
I28R0240	1.5	N	N	15	200	15	70	50	<5	30	50	30
I28R0260	<1	N	N	<5	100	10	N	50	<5	<20	30	10
I28R0270	<1	N	N	5	150	10	50	50	<5	20	30	15
I28R0280	<1	N	N	5	200	10	50	50	N	20	30	10
I28R0290	<1	N	N	7	200	15	70	30	<5	20	20	15
I28R0305	<1	N	N	15	200	20	50	30	<5	20	50	30
I28R0315	1	N	N	7	150	10	30	20	N	<20	20	15
I28R0330	1	N	N	5	200	10	50	30	<5	20	30	15
I28R0345	3	N	N	20	100	15	50	30	<5	50	70	20
I28R0360	<1	N	N	<5	50	<5	N	20	N	30	7	<10
I28R0375	<1	N	N	N	50	<5	N	30	N	50	5	10
I28R0380	1.5	N	N	100	70	100	N	15	15	<20	150	100
I28R0388	2	N	N	15	200	20	100	30	20	70	100	70
I28R0392	1.5	N	N	10	200	15	30	30	10	20	50	50
I28R0405	<1	N	N	15	150	10	N	30	7	<20	70	30
I28R0420	<1	N	N	10	200	20	<20	50	7	<20	70	30
I28R0440	<1	N	N	15	150	15	N	30	<5	<20	50	20
I28R0457	<1	N	N	20	100	50	N	30	5	50	50	50
I28R0465	<1	N	N	5	150	7	30	50	7	30	70	15
I28R0480	1	N	N	20	200	10	70	30	7	20	70	15
I28R0490	3	N	N	10	150	10	50	50	<5	<20	50	15
I28R0500	1	N	N	5	150	5	N	50	<5	<20	20	15
I28R0545	2	N	N	50	150	15	30	50	5	30	100	30
I28R0550	5	N	N	10	200	20	100	50	5	20	50	20
I28R0560	3	N	N	7	200	15	50	30	5	30	50	15
I28R0570	3	N	N	7	150	5	50	50	<5	20	30	15
I28R0580	5	N	N	7	200	5	100	50	7	30	70	15
I28R0595	1.5	N	N	7	150	7	30	20	5	30	20	<10
I28R0620	2	N	N	N	100	<5	N	20	5	30	15	<10
I28R0635	1	N	N	N	70	<5	N	20	<5	20	5	<10
I28R0650	1.5	N	N	N	70	<5	N	20	<5	30	<5	<10
I28R0665	2	N	N	N	50	<5	N	50	<5	20	7	<10
I28R0675	5	N	N	N	30	<5	N	50	<5	30	5	<10
I28R0690	3	N	N	N	50	<5	N	50	<5	50	5	<10
I28R0705	2	N	N	N	30	7	N	30	<5	50	7	<10
I28R0720	1.5	N	N	5	100	<5	N	50	5	50	20	<10
I28R0735	7	N	N	5	50	15	N	50	5	30	20	<10
I28R0750	2	N	N	5	50	<5	N	30	5	30	20	<10
I28R0765	1.5	N	N	<5	100	<5	N	30	<5	50	<5	<10
I28R0780	1.5	N	N	N	50	<5	N	20	<5	70	7	<10
I28R0795	1.5	N	N	N	30	<5	N	30	<5	<20	7	<10
I28R0809	5	N	N	N	30	<5	N	20	<5	<20	7	<10
I28R0820	3	N	N	N	70	<5	N	30	5	70	7	10
I28R0830	1	N	N	N	50	<5	N	30	N	70	<5	10
I28R0840	5	N	N	N	100	<5	30	30	5	50	5	10
I28R0850	5	N	N	N	20	<5	N	30	N	50	<5	10
I28R0860	5	N	N	N	30	<5	50	30	N	70	7	10
I28R0868	1.5	N	N	15	150	10	70	50	5	50	50	20
I28R0878	1.5	N	N	20	200	50	50	150	<5	20	70	20
I28R0888	1.5	N	N	<5	100	100	N	300	5	N	50	20
I28R0898	1.5	N	N	7	150	30	50	200	<5	<20	50	20
I28R0907	2	N	N	5	150	30	50	50	<5	30	50	15
I28R0917	3	N	N	7	150	15	70	50	15	30	50	15
I28R0926	5	N	N	20	200	20	100	50	7	50	70	15
I28R0936	5	N	N	50	200	20	70	100	5	30	100	70
I28R0946	7	N	N	15	150	20	100	200	10	30	100	50

TABLE 12--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I28, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I28R0060	N	N	N	700	100	50	<50	N	N	100	<.05	3
I28R0205	N	10	N	200	N	100	<50	10	N	200	.05	4
I28R0220	N	15	N	150	N	100	<50	20	N	200	.06	4
I28R0230	N	10	N	100	N	100	<50	15	N	200	.1	4
I28R0240	N	10	N	100	N	100	<50	10	N	300	.08	4
I28R0260	N	<5	N	<100	N	50	<50	<10	N	300	<.05	4
I28R0270	N	15	N	200	N	100	<50	70	N	300	<.05	4
I28R0280	N	10	N	300	N	100	<50	30	N	300	<.05	4
I28R0290	N	20	N	200	N	150	<50	50	N	300	<.05	4
I28R0305	N	20	N	200	N	150	<50	50	N	300	<.05	4
I28R0315	N	15	N	200	N	100	<50	20	N	300	<.05	4
I28R0330	N	10	N	200	N	100	<50	50	N	300	<.05	4
I28R0345	N	10	N	<100	N	100	<50	30	N	300	.05	4
I28R0360	N	N	N	N	N	20	<50	N	N	300	<.05	4
I28R0375	N	N	N	<100	N	20	<50	N	N	150	<.05	4
I28R0380	N	N	N	1,000	N	20	<50	N	200	300	.12	4
I28R0388	N	7	15	200	N	150	<50	15	200	300	.14	4
I28R0392	N	7	N	200	N	150	<50	N	500	200	.12	4
I28R0405	N	5	N	<100	N	150	<50	N	300	200	.12	4
I28R0420	N	10	N	100	N	200	<50	10	<200	200	.12	4
I28R0440	N	10	N	<100	N	150	<50	N	N	200	.12	4
I28R0457	N	5	N	<100	N	100	<50	N	N	200	.1	4
I28R0465	N	7	N	100	N	100	<50	50	N	300	<.05	4
I28R0480	N	20	N	100	N	200	<50	30	N	200	.07	4
I28R0490	N	7	N	<100	N	100	<50	10	N	200	.09	4
I28R0500	N	5	N	<100	N	100	<50	N	N	300	<.05	4
I28R0545	N	15	N	100	N	100	<50	10	N	300	.06	4
I28R0550	N	20	N	150	N	150	<50	50	N	200	.12	5
I28R0560	N	10	N	100	<100	100	<50	30	N	300	.07	5
I28R0570	N	10	N	<100	<100	100	<50	30	N	300	.08	5
I28R0580	N	20	N	<100	N	150	<50	50	N	300	.1	5
I28R0595	N	5	N	<100	N	50	50	N	N	300	.07	5
I28R0620	N	N	N	<100	N	50	<50	10	N	300	1.07	5
I28R0635	N	N	N	<100	N	20	<50	N	N	300	.51	5
I28R0650	N	5	N	<100	N	20	<50	N	N	500	.89	5
I28R0665	N	N	N	<100	N	30	<50	<10	N	300	1.01	5
I28R0675	N	N	N	<100	N	30	<50	10	N	300	.87	5
I28R0690	N	<5	N	<100	N	30	50	10	N	300	1.43	5
I28R0705	N	<5	N	<100	N	500	50	N	N	500	.31	5
I28R0720	N	5	N	<100	N	50	<50	10	N	300	.06	5
I28R0735	N	5	N	<100	N	50	50	N	N	1,000	<.05	5
I28R0750	N	<5	N	<100	N	50	<50	N	N	300	<.05	5
I28R0765	N	<5	N	<100	N	30	<50	N	N	500	.1	5
I28R0780	N	N	N	<100	N	50	<50	N	N	500	<.05	5
I28R0795	N	N	N	<100	N	30	<50	N	N	200	.12	5
I28R0809	N	N	N	<100	N	50	<50	N	N	700	.78	5
I28R0820	N	N	N	100	N	20	50	N	N	200	.06	5
I28R0830	N	N	N	<100	N	50	<50	N	N	200	<.05	5
I28R0840	N	N	N	<100	N	30	<50	<10	N	300	.34	5
I28R0850	N	N	N	<100	N	20	<50	15	N	1,000	.24	5
I28R0860	N	N	N	100	N	20	<50	N	N	500	.15	5
I28R0868	N	15	N	100	N	100	<50	50	N	300	.07	5
I28R0878	N	15	N	100	N	100	<50	<10	N	200	--	5
I28R0888	N	15	N	500	N	50	<50	10	N	150	.1	5
I28R0898	N	10	N	200	N	100	<50	15	N	300	.07	5
I28R0907	N	5	N	100	N	50	50	10	N	500	.05	5
I28R0917	N	10	N	100	N	100	<50	10	N	500	.1	5
I28R0926	N	15	N	100	N	100	<50	30	N	500	.11	5
I28R0936	N	20	N	100	N	150	<50	20	N	300	.16	5
I28R0946	N	15	N	300	N	150	<50	<10	N	300	.22	5

TABLE 12--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I28, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I28R0956	37 34 0	88 24 20	.5	1	.7	.5	N	N	N	200	>5,000
I28R0966	37 34 0	88 24 20	1.5	.5	.2	.3	N	N	N	150	>5,000
I28R0976	37 34 0	88 24 20	1	.5	.3	.3	N	N	N	100	200
I28R0986	37 34 0	88 24 20	2	.2	.2	.07	N	N	N	100	150
I28R0996	37 34 0	88 24 20	2	.1	.2	.02	N	N	N	100	70
I28R1006	37 34 0	88 24 20	3	.2	.2	.1	N	N	N	100	1,000
I28R1016	37 34 0	88 24 20	1.5	.2	.2	.07	5	N	N	100	>5,000
I28R1026	37 34 0	88 24 20	.5	.1	.05	.02	N	N	N	50	100
I28R1036	37 34 0	88 24 20	1	.5	.2	.2	N	N	N	100	100
I28R1044	37 34 0	88 24 20	.5	.7	.3	.2	N	N	N	70	30

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I28R0956	10	N	N	7	200	100	50	50	5	20	50	50
I28R0966	3	N	N	5	100	15	50	50	7	50	30	30
I28R0976	5	N	N	<5	50	1,000	50	50	<5	50	5	20
I28R0986	1	N	N	N	20	10	200	50	5	100	15	<10
I28R0996	<1	N	N	N	20	5	<20	50	<5	<20	5	15
I28R1006	1	N	N	N	20	50	<20	50	5	30	10	10
I28R1016	1.5	N	N	N	20	1,500	<20	30	<5	30	15	10
I28R1026	<1	N	N	N	15	10	<20	<10	7	20	7	10
I28R1036	1.5	N	N	N	50	20	150	20	15	100	50	15
I28R1044	1.5	N	N	N	30	100	<20	20	15	70	100	20

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I28R0956	N	7	N	100	N	100	50	<10	N	200	--	6
I28R0966	N	N	N	200	N	100	<50	N	N	500	--	6
I28R0976	N	N	N	100	N	100	50	N	N	300	.06	6
I28R0986	N	N	N	200	N	50	<50	N	N	200	.02	6
I28R0996	N	N	N	200	N	20	<50	N	<200	10	.01	6
I28R1006	N	N	N	<100	N	30	<50	N	<200	50	.01	6
I28R1016	N	N	N	150	N	15	50	N	<200	30	.02	6
I28R1026	N	N	N	<100	N	10	<50	N	N	70	.02	6
I28R1036	N	N	N	100	N	50	<50	N	<200	200	--	6
I28R1044	N	N	N	<100	N	50	<50	N	N	200	.07	6

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. 129, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I29R0110	37 31 0	88 21 0	.05	1	.03	.2	N	<200	N	50	1,000
I29R0120	37 31 0	88 21 0	.05	.5	.02	.1	N	N	N	30	150
I29R0130	37 31 0	88 21 0	<.05	1	.03	.15	N	<200	N	30	1,000
I29R0140	37 31 0	88 21 0	.1	5	.1	1	1	N	N	70	3,000
I29R0148	37 31 0	88 21 0	.1	5	.07	.2	.7	<200	N	50	>5,000
I29R0158	37 31 0	88 21 0	.05	2	.02	.15	N	<200	N	50	5,000
I29R0170	37 31 0	88 21 0	.05	1	.02	.1	N	<200	N	30	5,000
I29R0181	37 31 0	88 21 0	.05	1.5	.02	.1	N	N	N	30	3,000
I29R0189	37 31 0	88 21 0	.05	.5	<.02	.05	N	N	N	30	150
I29R0199	37 31 0	88 21 0	<.05	1.5	.02	.1	N	N	N	30	1,000
I29R0207	37 31 0	88 21 0	.05	1.5	.07	.2	N	<200	N	100	5,000
I29R0218	37 31 0	88 21 0	.1	.7	.07	.2	N	N	N	100	1,000
I29R0229	37 31 0	88 21 0	.07	1	.05	.2	N	N	N	100	2,000
I29R0240	37 31 0	88 21 0	.05	1	.05	.2	N	<200	N	100	1,500
I29R0252	37 31 0	88 21 0	.05	.5	.02	.05	N	N	N	50	500
I29R0264	37 31 0	88 21 0	.05	1.5	.05	.2	N	<200	N	100	3,000
I29R0273	37 31 0	88 21 0	.05	.2	.03	.03	N	N	N	50	200
I29R0284	37 31 0	88 21 0	.05	.2	.02	.02	N	N	N	50	200
I29R0297	37 31 0	88 21 0	.1	1	.02	.02	N	N	N	50	150
I29R0319	37 31 0	88 21 0	.1	1	.02	.05	N	<200	N	50	100
I29R0323	37 31 0	88 21 0	.15	7	.1	.2	N	200	N	150	150
I29R0332	37 31 0	88 21 0	.2	1	.02	.07	.7	N	N	30	1,000
I29R0342	37 31 0	88 21 0	.05	.1	.02	.02	N	N	N	50	100
I29R0351	37 31 0	88 21 0	.05	5	.07	.5	N	N	N	70	200
I29R0361	37 31 0	88 21 0	.05	3	.03	.2	N	<200	N	50	200
I29R0371	37 31 0	88 21 0	.05	3	.02	.1	N	N	N	50	150
I29R0384	37 31 0	88 21 0	.05	1.5	<.02	.05	N	N	N	30	100
I29R0395	37 31 0	88 21 0	<.05	.3	<.02	.02	N	N	N	20	20
I29R0405	37 31 0	88 21 0	<.05	.15	<.02	.02	N	N	N	30	30
I29R0425	37 31 0	88 21 0	<.05	.15	<.02	.05	1.5	N	N	30	<20
I29R0442	37 31 0	88 21 0	<.05	.1	.02	.015	N	N	N	30	150
I29R0455	37 31 0	88 21 0	<.05	.1	.02	.03	N	N	N	20	30
I29R0466	37 31 0	88 21 0	<.05	.07	<.02	.02	N	N	N	30	100
I29R0478	37 31 0	88 21 0	<.05	.2	<.02	.02	N	N	N	50	50
I29R0491	37 31 0	88 21 0	.05	.1	.02	.03	N	N	N	30	100
I29R0503	37 31 0	88 21 0	.05	.1	.02	.02	N	N	N	50	150
I29R0514	37 31 0	88 21 0	<.05	.07	<.02	.015	N	N	N	30	30
I29R0530	37 31 0	88 21 0	<.05	.2	.02	.02	N	N	N	50	50
I29R0540	37 31 0	88 21 0	.05	.2	.02	.02	N	N	N	50	<20
I29R0560	37 31 0	88 21 0	.05	.1	<.02	.01	N	N	N	50	<20
I29R0571	37 31 0	88 21 0	<.05	.07	<.02	.015	N	N	N	50	50
I29R0584	37 31 0	88 21 0	.15	.05	.02	.015	N	N	N	50	20
I29R0599	37 31 0	88 21 0	<.05	.05	<.02	.02	N	N	N	50	150
I29R0609	37 31 0	88 21 0	.05	.1	.02	.03	N	N	N	50	150
I29R0619	37 31 0	88 21 0	.05	.1	.02	.02	N	N	N	50	150
I29R0632	37 31 0	88 21 0	<.05	.1	<.02	.02	N	N	N	50	<20
I29R0640	37 31 0	88 21 0	.05	.1	.02	.03	N	N	N	70	100
I29R0653	37 31 0	88 21 0	.05	.1	.02	.03	N	N	N	70	<20
I29R0671	37 31 0	88 21 0	.05	.07	<.02	.015	N	N	N	100	<20
I29R0685	37 31 0	88 21 0	.05	.07	.02	.01	N	N	N	100	N
I29R0700	37 31 0	88 21 0	.05	.1	.02	.02	N	N	N	100	20
I29R0712	37 31 0	88 21 0	.07	.1	.02	.03	N	N	N	100	20
I29R0725	37 31 0	88 21 0	.07	.07	<.02	.02	N	N	N	70	<20
I29R0734	37 31 0	88 21 0	.05	.05	.02	.02	N	N	N	50	30
I29R0745	37 31 0	88 21 0	.1	.1	.02	.02	N	N	N	50	150
I29R0759	37 31 0	88 21 0	20	.2	.7	.015	N	N	N	50	1,000
I29R0775	37 31 0	88 21 0	>20	.2	1	.02	N	N	N	50	300
I29R0798	37 31 0	88 21 0	.7	.05	.02	.015	N	N	N	50	20
I29R0812	37 31 0	88 21 0	.15	<.05	.02	.01	N	N	N	50	<20
I29R0820	37 31 0	88 21 0	.1	.05	.02	.015	N	N	N	50	<20

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I29R0110	2	N	N	10	15	100	N	10	20	30	150	20
I29R0120	<1	N	N	<5	15	30	N	<10	15	20	50	N
I29R0130	7	N	N	7	15	50	<20	<10	15	50	100	<10
I29R0140	10	N	N	20	30	200	N	100	20	100	150	70
I29R0148	70	N	N	50	50	150	N	100	10	70	100	70
I29R0158	30	N	N	50	70	70	N	70	15	100	50	15
I29R0170	10	N	N	5	15	20	N	50	7	70	10	10
I29R0181	2	N	N	5	15	15	N	50	5	100	15	10
I29R0189	1.5	N	N	<5	10	5	N	10	5	50	7	<10
I29R0199	20	N	N	5	10	20	N	20	7	70	50	<10
I29R0207	100	N	N	5	15	50	N	30	5	70	50	20
I29R0218	15	N	N	<5	15	15	N	15	<5	50	15	15
I29R0229	100	N	N	<5	15	20	N	15	<5	50	20	20
I29R0240	15	N	N	N	15	10	N	10	N	50	20	20
I29R0252	2	N	N	N	15	10	N	<10	5	30	7	<10
I29R0264	10	N	N	5	20	20	N	50	N	100	30	15
I29R0273	1.5	N	N	N	10	<5	N	<10	<5	20	5	<10
I29R0284	10	N	N	N	10	<5	N	<10	<5	20	7	<10
I29R0297	1	N	N	<5	10	15	N	<10	7	30	10	<10
I29R0319	2	N	N	N	10	20	N	<10	7	20	7	10
I29R0323	50	N	N	50	30	50	300	100	N	200	300	200
I29R0332	20	N	N	<5	15	10	50	20	<5	100	50	30
I29R0342	1	N	N	N	<10	<5	N	<10	<5	20	5	<10
I29R0351	30	N	N	20	100	30	100	20	<5	200	200	200
I29R0361	20	N	N	15	70	15	50	15	5	70	200	150
I29R0371	20	N	N	15	50	10	<20	15	5	50	150	200
I29R0384	10	N	N	10	20	5	N	10	<5	50	30	50
I29R0395	1.5	N	N	N	10	<5	N	10	<5	30	7	10
I29R0405	<1	N	N	N	10	<5	N	10	<5	20	5	<10
I29R0425	1	N	N	N	10	<5	N	10	7	30	5	<10
I29R0442	<1	N	N	N	10	<5	N	<10	<5	20	5	<10
I29R0455	N	N	N	N	10	<5	N	<10	<5	20	5	<10
I29R0466	<1	N	N	N	10	<5	N	<10	<5	<20	5	<10
I29R0478	1	N	N	N	10	<5	N	<10	<5	<20	5	<10
I29R0491	1.5	N	N	N	<10	<5	N	<10	<5	20	5	<10
I29R0503	10	N	N	N	<10	<5	N	<10	<5	20	5	<10
I29R0514	<1	N	N	N	<10	<5	N	<10	<5	<20	5	<10
I29R0530	2	N	N	N	<10	<5	N	<10	<5	20	5	<10
I29R0540	N	N	N	N	10	5	N	10	N	<20	5	10
I29R0560	N	N	N	N	10	<5	N	<10	N	<20	5	<10
I29R0571	N	N	N	N	10	<5	N	<10	N	<20	5	<10
I29R0584	<1	N	N	N	10	10	N	<10	N	<20	5	15
I29R0599	5	N	N	N	10	<5	N	<10	N	<20	5	<10
I29R0609	15	N	N	N	10	5	N	<10	5	<20	5	<10
I29R0619	<1	N	N	N	10	<5	N	<10	N	<20	5	<10
I29R0632	N	N	N	N	10	<5	N	<10	N	<20	5	<10
I29R0640	1	N	N	N	10	<5	N	<10	N	<20	<5	<10
I29R0653	<1	N	N	N	10	<5	N	<10	N	<20	<5	<10
I29R0671	<1	N	N	N	10	<5	N	<10	N	<20	<5	<10
I29R0685	N	N	N	N	10	<5	N	<10	N	N	5	<10
I29R0700	1	N	N	N	10	<5	N	<10	5	N	5	<10
I29R0712	1	N	N	N	10	<5	N	<10	N	20	<5	<10
I29R0725	5	N	N	N	10	<5	N	<10	N	20	<5	<10
I29R0734	1	N	N	N	10	<5	N	<10	N	20	<5	<10
I29R0745	2	N	N	N	10	<5	N	10	N	20	<5	<10
I29R0759	<1	N	N	15	15	<5	N	2,000	5	<20	7	15
I29R0775	<1	N	N	5	<10	<5	N	1,500	N	<20	5	10
I29R0798	<1	N	N	N	<10	<5	N	20	N	<20	5	<10
I29R0812	<1	N	N	N	<10	<5	N	10	N	20	5	10
I29R0820	<1	N	N	5	<10	<5	N	10	<5	30	5	10

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I29R0110	N	N	N	200	N	100	<50	10	200	100	<.05	12
I29R0120	N	N	N	100	N	100	<50	10	<200	30	<.05	12
I29R0130	N	N	N	300	N	100	<50	10	200	100	<.05	12
I29R0140	N	N	N	1,500	N	100	<50	50	1,500	300	--	12
I29R0148	N	N	N	1,000	N	50	<50	30	1,500	100	--	12
I29R0158	N	N	N	700	N	50	<50	50	700	100	<.05	12
I29R0170	N	N	N	500	N	20	<50	30	700	50	<.05	12
I29R0181	N	N	N	300	N	20	<50	20	500	100	<.05	12
I29R0189	N	N	N	200	N	10	<50	10	<200	50	<.05	12
I29R0199	N	N	N	200	N	20	<50	30	300	100	<.05	12
I29R0207	N	N	N	1,000	N	50	<50	50	<200	150	<.05	12
I29R0218	N	N	N	500	N	50	<50	<10	<200	100	<.05	12
I29R0229	N	N	N	700	N	30	<50	<10	<200	100	<.05	12
I29R0240	N	N	N	500	N	50	<50	N	N	100	<.05	12
I29R0252	N	N	N	200	N	30	<50	N	N	50	<.05	12
I29R0264	N	N	N	500	N	50	<50	30	200	150	<.05	12
I29R0273	N	N	N	150	N	10	<50	N	<200	<10	<.05	12
I29R0284	N	N	N	100	N	10	<50	N	<200	20	<.05	12
I29R0297	N	N	N	100	N	10	<50	10	200	50	<.05	12
I29R0319	N	N	N	<100	N	15	<50	10	200	30	<.05	12
I29R0323	N	15	N	300	N	100	<50	150	2,000	100	.08	12
I29R0332	N	N	N	200	N	50	<50	30	700	100	<.05	12
I29R0342	N	N	N	<100	N	10	<50	20	<200	20	<.05	12
I29R0351	N	10	N	500	N	200	<50	200	2,000	500	.05	12
I29R0361	N	7	N	200	N	100	<50	100	1,500	200	<.05	12
I29R0371	N	5	N	150	N	100	<50	70	1,000	100	<.05	12
I29R0384	N	N	N	100	N	50	<50	30	700	100	<.05	12
I29R0395	N	N	N	<100	N	15	<50	20	<200	50	<.05	12
I29R0405	N	N	N	<100	N	15	<50	10	N	30	<.05	12
I29R0425	N	N	N	<100	N	10	<50	<10	N	100	<.05	12
I29R0442	N	N	N	<100	N	10	<50	N	N	70	<.05	12
I29R0455	N	N	N	<100	N	15	<50	<10	300	70	<.05	12
I29R0466	N	N	N	<100	N	15	<50	<10	300	100	<.05	12
I29R0478	N	N	N	<100	N	10	<50	<10	N	50	<.05	12
I29R0491	N	N	N	<100	N	10	<50	<10	N	50	<.05	12
I29R0503	N	N	N	<100	N	15	<50	<10	N	50	<.05	12
I29R0514	N	N	N	<100	N	15	<50	<10	N	70	<.05	12
I29R0530	N	N	N	<100	N	10	<50	<10	N	70	<.05	12
I29R0540	N	N	N	<100	N	10	<50	10	<200	15	<.05	12
I29R0560	N	N	N	<100	N	10	<50	10	<200	50	<.05	12
I29R0571	N	N	N	<100	N	10	<50	10	<200	<10	<.05	12
I29R0584	N	N	N	<100	N	10	<50	10	500	10	<.05	12
I29R0599	N	N	N	<100	N	10	<50	10	700	15	<.05	12
I29R0609	N	N	N	100	N	10	<50	20	2,000	30	<.05	12
I29R0619	N	N	N	100	N	10	<50	10	<200	50	<.05	12
I29R0632	N	N	N	<100	N	15	<50	N	N	20	<.05	12
I29R0640	N	N	N	<100	N	15	<50	N	N	30	<.05	12
I29R0653	N	N	N	<100	N	10	<50	N	N	50	<.05	12
I29R0671	N	N	N	<100	N	10	<50	N	N	70	<.05	12
I29R0685	N	N	N	<100	N	10	<50	N	N	<10	<.05	12
I29R0700	N	N	N	<100	N	15	<50	N	N	15	<.05	12
I29R0712	N	N	N	<100	N	10	<50	N	N	100	<.05	12
I29R0725	N	N	N	<100	N	10	<50	N	N	50	<.05	12
I29R0734	N	N	N	<100	N	10	<50	N	200	50	<.05	12
I29R0745	N	N	N	<100	N	10	<50	N	<200	20	<.05	12
I29R0759	N	5	N	300	N	50	N	50	N	<10	<.05	12
I29R0775	N	N	N	500	N	50	N	50	N	10	<.05	12
I29R0798	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R0812	N	N	N	N	N	30	<50	N	N	<10	<.05	12
I29R0820	N	N	N	N	N	30	<50	N	N	50	<.05	12

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I29R0829	37 31 0	88 21 0	.1	.07	.02	.02	N	N	N	70	N
I29R0843	37 31 0	88 21 0	.15	.2	.02	.02	N	N	N	70	20
I29R0858	37 31 0	88 21 0	.07	.7	.02	.01	N	N	N	70	<20
I29R0869	37 31 0	88 21 0	.15	.15	.03	.02	N	N	N	100	150
I29R0905	37 31 0	88 21 0	.05	.1	.02	.03	N	N	N	100	20
I29R0918	37 31 0	88 21 0	.1	.7	.02	.015	N	N	N	100	20
I29R0930	37 31 0	88 21 0	.1	.07	.02	.01	N	N	N	70	500
I29R0941	37 31 0	88 21 0	.1	.1	<.02	.015	N	N	N	70	50
I29R0963	37 31 0	88 21 0	.1	.1	<.02	.01	N	N	N	50	100
I29R0975	37 31 0	88 21 0	.2	.3	.05	.07	N	N	N	70	2,000
I29R0988	37 31 0	88 21 0	.1	.7	.05	.02	N	N	N	70	200
I29R0998	37 31 0	88 21 0	.1	.15	.03	.05	N	N	N	70	100
I29R1009	37 31 0	88 21 0	<.05	.3	.02	.03	N	N	N	70	150
I29R1021	37 31 0	88 21 0	.07	.15	.05	.02	N	N	N	70	70
I29R1033	37 31 0	88 21 0	.1	.7	.03	.02	N	N	N	70	70
I29R1047	37 31 0	88 21 0	5	.2	.02	.015	N	N	N	30	>5,000
I29R1069	37 31 0	88 21 0	7	.07	.02	.015	N	N	N	50	500
I29R1076	37 31 0	88 21 0	2	.7	.03	.03	N	N	N	50	300
I29R1086	37 31 0	88 21 0	.2	.2	.02	.02	N	N	N	50	50
I29R1097	37 31 0	88 21 0	.07	.07	.02	.05	N	N	N	50	30
I29R1113	37 31 0	88 21 0	.07	.15	.02	.03	N	N	N	70	50
I29R1130	37 31 0	88 21 0	.05	.2	.03	.05	N	N	N	100	70
I29R1149	37 31 0	88 21 0	.07	5	.02	.015	N	200	N	70	1,000
I29R1160	37 31 0	88 21 0	<.05	.2	.02	.02	N	N	N	70	100
I29R1174	37 31 0	88 21 0	<.05	.3	.02	.03	N	N	N	50	100
I29R1192	37 31 0	88 21 0	.05	.1	.02	.05	N	N	N	50	100
I29R1212	37 31 0	88 21 0	<.05	.1	.03	.02	N	N	N	50	20
I29R1225	37 31 0	88 21 0	<.05	.15	.02	.05	N	N	N	50	150
I29R1239	37 31 0	88 21 0	<.05	.7	.02	.1	N	N	N	50	20
I29R1253	37 31 0	88 21 0	<.05	1	.03	.1	N	N	N	50	<20
I29R1269	37 31 0	88 21 0	.05	.7	.05	.2	N	N	N	50	50
I29R1282	37 31 0	88 21 0	.1	2	.05	.3	N	N	N	70	50
I29R1294	37 31 0	88 21 0	.15	1.5	.05	.15	N	N	N	50	20
I29R1306	37 31 0	88 21 0	.2	.7	.05	.2	N	N	N	50	50
I29R1318	37 31 0	88 21 0	.2	.5	.05	.5	N	N	N	50	70
I29R1332	37 31 0	88 21 0	.1	.7	.05	.2	N	N	N	30	50
I29R1356	37 31 0	88 21 0	.05	2	.05	.3	N	N	N	50	200
I29R1375	37 31 0	88 21 0	.05	.7	.05	.2	N	N	N	70	300
I29R1388	37 31 0	88 21 0	<.05	1	.03	.2	N	N	N	50	70
I29R1403	37 31 0	88 21 0	.05	1	.03	.5	N	N	N	50	50
I29R1418	37 31 0	88 21 0	.05	1	.02	.5	N	N	N	50	150
I29R1427	37 31 0	88 21 0	.05	.7	.05	.5	N	N	N	30	70
I29R1439	37 31 0	88 21 0	.05	.7	.05	.5	N	N	N	30	700
I29R1451	37 31 0	88 21 0	.05	1	.05	.5	N	N	N	30	500
I29R1465	37 31 0	88 21 0	.07	1	.05	.5	N	N	N	30	500
I29R1484	37 31 0	88 21 0	<.05	.5	.03	.7	N	N	N	20	100
I29R1495	37 31 0	88 21 0	<.05	.5	.03	1	N	N	N	30	100
I29R1509	37 31 0	88 21 0	.05	1	.02	.7	N	N	N	20	100
I29R1522	37 31 0	88 21 0	.1	.7	.05	1	N	N	N	20	100
I29R1542	37 31 0	88 21 0	.05	.2	.05	1	N	N	N	30	150
I29R1557	37 31 0	88 21 0	.07	.3	.05	1	N	N	N	20	200
I29R1563	37 31 0	88 21 0	.1	.2	.05	1	N	N	N	20	200
I29R1575	37 31 0	88 21 0	.05	.5	.05	.7	N	N	N	30	100
I29R1589	37 31 0	88 21 0	.05	.1	.03	.3	N	N	N	20	100
I29R1607	37 31 0	88 21 0	.05	.2	.02	.3	N	N	N	20	70
I29R1618	37 31 0	88 21 0	.07	1	.07	1	N	N	N	50	200
I29R1630	37 31 0	88 21 0	.07	.5	.1	1	N	N	N	50	300
I29R1645	37 31 0	88 21 0	.1	.7	.1	1	N	N	N	20	100
I29R1655	37 31 0	88 21 0	.2	1	.05	.5	N	N	N	20	1,500
I29R1669	37 31 0	88 21 0	.15	1.5	.05	.7	N	N	N	30	300

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. 129, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I29R0829	3	N	N	N	<10	7	N	10	<5	50	5	10
I29R0843	1	N	N	N	<10	<5	N	10	N	30	7	10
I29R0858	5	N	N	N	<10	5	N	10	N	20	7	10
I29R0869	<1	N	N	N	<10	5	N	10	<5	50	5	<10
I29R0905	<1	N	N	N	<10	<5	N	10	N	20	5	10
I29R0918	<1	N	N	70	150	5	N	10	N	20	7	10
I29R0930	<1	N	N	<5	15	<5	N	10	N	N	5	10
I29R0941	<1	N	N	50	100	<5	N	10	<5	20	5	10
I29R0963	7	N	N	15	<10	<5	N	30	N	20	15	10
I29R0975	50	N	N	15	<10	10	N	10	<5	50	20	10
I29R0988	5	N	N	N	<10	7	N	10	<5	30	7	10
I29R0998	5	N	N	N	<10	<5	N	20	<5	50	5	10
I29R1009	10	N	N	N	<10	<5	N	10	N	20	7	10
I29R1021	3	N	N	N	<10	<5	N	10	N	20	5	10
I29R1033	3	N	N	N	<10	100	N	10	<5	20	5	10
I29R1047	5	N	N	N	<10	200	N	10	<5	20	5	10
I29R1069	<1	N	N	50	100	30	N	10	N	<20	5	<10
I29R1076	<1	N	N	70	150	150	N	20	5	50	7	<10
I29R1086	<1	N	N	30	50	7	N	20	<5	<20	7	<10
I29R1097	<1	N	N	20	20	5	N	15	<5	20	5	<10
I29R1113	<1	N	N	5	<10	<5	N	20	<5	<20	5	<10
I29R1130	<1	N	N	5	<10	<5	N	20	<5	20	5	<10
I29R1149	15	N	N	30	<10	10	N	30	5	30	30	50
I29R1160	2	N	N	N	10	<5	N	20	<5	20	7	10
I29R1174	2	N	N	5	<10	<5	N	20	<5	20	7	10
I29R1192	15	N	N	5	<10	<5	N	20	<5	<20	5	10
I29R1212	5	N	N	<5	10	<5	N	15	N	20	5	10
I29R1225	3	N	N	<5	<10	5	N	15	N	30	5	10
I29R1239	7	N	N	<5	<10	5	N	20	N	30	5	10
I29R1253	1	N	N	<5	15	7	N	20	N	30	10	10
I29R1269	<1	N	N	<5	<10	7	N	20	5	70	5	10
I29R1282	2	N	N	50	100	30	N	70	7	50	20	10
I29R1294	<1	N	N	5	50	7	N	20	N	<20	7	10
I29R1306	<1	N	N	5	20	7	N	15	N	20	7	10
I29R1318	10	N	N	7	20	10	N	10	N	20	7	2,000
I29R1332	5	N	N	5	10	7	N	15	N	20	7	100
I29R1356	15	N	N	7	30	7	N	20	<5	50	30	50
I29R1375	10	N	N	N	20	5	N	30	N	70	7	15
I29R1388	5	N	N	<5	15	5	N	20	N	50	10	30
I29R1403	<1	N	N	5	15	10	N	30	<5	70	10	20
I29R1418	20	N	N	7	15	10	N	30	N	100	10	50
I29R1427	15	N	N	5	30	10	N	30	<5	70	10	50
I29R1439	7	N	N	7	30	10	N	30	7	70	10	50
I29R1451	10	N	N	7	30	15	N	50	7	70	15	50
I29R1465	10	N	N	7	30	15	N	30	7	50	15	20
I29R1484	10	N	N	7	30	10	N	30	<5	100	10	15
I29R1495	20	N	N	10	30	15	N	30	7	50	10	20
I29R1509	<1	N	N	5	20	10	N	15	7	50	7	70
I29R1522	<1	N	N	15	20	10	N	15	5	70	10	<10
I29R1542	7	N	N	7	30	7	N	20	N	150	5	20
I29R1557	<1	N	N	<5	20	7	N	20	<5	70	5	50
I29R1563	<1	N	N	N	20	10	N	20	<5	70	5	30
I29R1575	<1	N	N	N	50	5	N	20	<5	150	5	20
I29R1589	<1	N	N	N	20	7	N	10	N	50	5	10
I29R1607	<1	N	N	N	15	7	N	10	N	50	5	10
I29R1618	<1	N	N	15	20	15	N	20	<5	200	15	50
I29R1630	20	N	N	20	30	200	N	10	N	150	15	50
I29R1645	2	N	N	5	15	20	N	<10	<5	100	7	10
I29R1655	30	N	N	70	50	150	N	20	7	200	10	50
I29R1669	15	N	N	10	20	70	N	15	7	100	30	50

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I29R0829	N	N	N	N	N	50	<50	N	N	50	<.05	12
I29R0843	N	N	N	N	N	50	<50	N	N	10	<.05	12
I29R0858	N	N	N	N	N	20	<50	N	<200	70	<.05	12
I29R0869	N	N	N	N	N	30	<50	N	N	150	<.05	12
I29R0905	N	N	N	N	N	30	<50	N	N	150	<.05	12
I29R0918	N	N	N	N	N	30	50	N	N	100	<.05	12
I29R0930	N	N	N	N	N	30	<50	N	N	10	<.05	12
I29R0941	N	N	N	N	N	30	<50	N	N	<10	<.05	12
I29R0963	N	N	N	N	N	30	<50	N	300	N	<.05	12
I29R0975	N	N	N	N	N	50	<50	N	500	100	<.05	12
I29R0988	N	N	N	N	N	20	<50	N	<200	50	<.05	12
I29R0998	N	N	N	N	N	30	<50	<10	N	N	<.05	12
I29R1009	N	N	N	N	N	30	<50	N	N	15	<.05	12
I29R1021	N	N	N	N	N	30	<50	N	N	50	<.05	12
I29R1033	N	N	N	N	N	30	<50	N	N	50	<.05	12
I29R1047	N	N	N	100	N	20	<50	N	N	10	3.73	12
I29R1069	N	N	N	N	N	20	<50	N	N	N	4.79	12
I29R1076	N	N	N	N	N	20	150	N	N	50	1.75	12
I29R1086	N	N	N	N	N	20	<50	N	N	10	.31	12
I29R1097	N	N	N	N	N	20	<50	N	N	10	<.05	12
I29R1113	N	N	N	N	N	20	<50	N	N	15	<.05	12
I29R1130	N	N	N	N	N	20	<50	N	N	15	<.05	12
I29R1149	N	N	N	N	N	30	<50	N	700	<10	<.05	12
I29R1160	N	N	N	N	N	20	<50	N	N	<10	<.05	12
I29R1174	N	N	N	N	N	20	<50	N	N	10	<.05	12
I29R1192	N	N	N	N	N	20	<50	N	N	10	<.05	12
I29R1212	N	N	N	N	N	20	<50	N	N	<10	<.05	12
I29R1225	N	N	N	N	N	20	<50	N	N	70	<.05	12
I29R1239	N	N	N	N	N	20	<50	N	N	50	<.05	12
I29R1253	N	N	N	N	N	30	<50	N	N	50	<.05	12
I29R1269	N	N	N	N	N	30	<50	N	N	150	<.05	12
I29R1282	N	N	N	N	N	30	50	N	N	200	<.05	12
I29R1294	N	N	N	N	N	20	<50	N	N	150	<.05	12
I29R1306	N	N	N	N	N	20	<50	N	N	150	<.05	12
I29R1318	500	N	50	N	N	20	<50	N	N	200	<.05	12
I29R1332	N	N	N	N	N	20	<50	N	N	100	<.05	12
I29R1356	N	N	N	N	N	50	<50	N	<200	150	<.05	12
I29R1375	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R1388	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R1403	N	N	N	N	N	30	<50	N	N	100	<.05	12
I29R1418	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1427	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R1439	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1451	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1465	N	N	N	N	N	50	<50	N	N	100	.05	12
I29R1484	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1495	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1509	N	N	N	N	N	50	<50	N	N	200	<.05	12
I29R1522	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1542	N	N	N	N	N	50	<50	N	N	200	<.05	12
I29R1557	N	N	N	N	N	50	<50	20	N	200	<.05	12
I29R1563	N	N	N	N	N	30	50	30	N	200	<.05	12
I29R1575	N	N	N	N	N	50	<50	30	N	200	<.05	12
I29R1589	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R1607	N	N	N	N	N	50	<50	N	N	100	<.05	12
I29R1618	N	N	N	N	N	70	<50	20	N	300	<.05	12
I29R1630	N	N	N	N	N	50	<50	50	N	200	<.05	12
I29R1645	N	N	N	N	N	50	<50	30	N	200	.06	12
I29R1655	N	N	N	N	N	50	<50	70	N	200	.09	12
I29R1669	N	N	N	N	N	50	<50	50	N	200	<.05	12

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I29R1686	37 31 0	88 21 0	.05	.2	.07	.2	N	N	N	50	70
I29R1698	37 31 0	88 21 0	.05	.3	.05	.15	N	N	N	50	20
I29R1709	37 31 0	88 21 0	.07	.5	.05	.3	N	N	N	50	70
I29R1722	37 31 0	88 21 0	.05	.5	.05	.2	N	N	N	50	20
I29R1729	37 31 0	88 21 0	<.05	.2	.05	.07	N	N	N	50	N
I29R1747	37 31 0	88 21 0	<.05	.5	.05	.3	N	N	N	50	70
I29R1758	37 31 0	88 21 0	.05	.5	.07	.5	N	N	N	50	70
I29R1775	37 31 0	88 21 0	.05	2	.15	.7	N	N	N	70	500
I29R1790	37 31 0	88 21 0	.05	1.5	.15	1	N	N	N	50	100
I29R1800	37 31 0	88 21 0	.05	1.5	.1	1	N	N	N	50	200
I29R1811	37 31 0	88 21 0	.5	1	.15	>1	N	N	N	50	300
I29R1822	37 31 0	88 21 0	.1	1.5	.15	1	N	N	N	50	300
I29R1833	37 31 0	88 21 0	.05	2	.15	1	N	N	N	70	300
I29R1842	37 31 0	88 21 0	.05	.7	.1	1	N	N	N	50	500
I29R1855	37 31 0	88 21 0	.1	1	.15	1	N	N	N	50	700
I29R1865	37 31 0	88 21 0	<.05	.7	.1	1	N	N	N	30	700
I29R1878	37 31 0	88 21 0	<.05	1	.1	1	N	N	N	30	3,000
I29R1888	37 31 0	88 21 0	.05	1	.1	1	N	N	N	30	150
I29R1900	37 31 0	88 21 0	.05	1	.1	>1	N	N	N	50	100
I29R1910	37 31 0	88 21 0	.05	.7	.02	1	N	N	N	20	1,500
I29R1920	37 31 0	88 21 0	<.05	.7	<.02	.5	N	N	N	20	300
I29R1930	37 31 0	88 21 0	<.05	.7	.02	1	N	N	N	20	50
I29R1940	37 31 0	88 21 0	<.05	.7	.02	.7	N	N	N	20	50
I29R1950	37 31 0	88 21 0	<.05	1	.02	.7	N	N	N	30	70
I29R1965	37 31 0	88 21 0	<.05	1	.02	.5	N	N	N	30	100
I29R1975	37 31 0	88 21 0	<.05	.7	.02	.5	N	N	N	30	70
I29R1985	37 31 0	88 21 0	<.05	1	.02	1	N	N	N	30	100
I29R1995	37 31 0	88 21 0	<.05	1	.02	.3	N	N	N	30	300
I29R2006	37 31 0	88 21 0	<.05	.5	.03	.7	N	N	N	50	200
I29R2021	37 31 0	88 21 0	<.05	1	.1	1	N	N	N	30	500
I29R2032	37 31 0	88 21 0	<.05	.7	.1	.7	N	N	N	50	300
I29R2045	37 31 0	88 21 0	.05	.7	.1	1	N	N	N	50	200
I29R2055	37 31 0	88 21 0	.05	1	.1	1	N	N	N	50	1,500
I29R2071	37 31 0	88 21 0	.1	1.5	.15	1	N	N	N	50	1,500
I29R2081	37 31 0	88 21 0	<.05	1	.15	1	N	N	N	50	700
I29R2097	37 31 0	88 21 0	.05	1.5	.2	1	N	N	N	100	2,000
I29R2107	37 31 0	88 21 0	.1	1.5	.15	1	N	N	N	70	1,000
I29R2115	37 31 0	88 21 0	.1	2	.15	1	N	N	N	100	700
I29R2124	37 31 0	88 21 0	10	2	1	.5	N	N	N	70	300
I29R2131	37 31 0	88 21 0	5	.7	.15	.15	N	N	N	50	500
I29R2140	37 31 0	88 21 0	7	1.5	.2	.2	N	N	N	100	300
I29R2195	37 31 0	88 21 0	.07	.5	.02	.15	N	N	N	10	150
I29R2213	37 31 0	88 21 0	.15	1	.02	.03	N	N	N	15	20
I29R2228	37 31 0	88 21 0	.15	1	.02	.05	N	200	N	15	<20
I29R2245	37 31 0	88 21 0	.1	5	.02	.05	N	N	N	30	20
I29R2260	37 31 0	88 21 0	.2	5	.02	.07	N	N	N	50	<20
I29R2277	37 31 0	88 21 0	2	5	.2	>1	N	N	N	200	200
I29R2295	37 31 0	88 21 0	2	3	.1	>1	N	N	N	100	200
I29R2310	37 31 0	88 21 0	3	7	.1	>1	N	300	N	150	1,000
I29R2330	37 31 0	88 21 0	5	5	.1	>1	N	300	N	150	3,000
I29R2337	37 31 0	88 21 0	5	5	.1	>1	N	200	N	150	>5,000
I29R2366	37 31 0	88 21 0	.5	1	.05	.3	N	N	N	50	>5,000
I29R2390	37 31 0	88 21 0	1.5	2	.15	1	N	N	N	50	>5,000
I29R2410	37 31 0	88 21 0	1.5	1.5	.2	1	N	N	N	70	>5,000
I29R2424	37 31 0	88 21 0	1.5	2	.05	1	N	N	N	70	>5,000
I29R2434	37 31 0	88 21 0	.7	1	.02	.2	N	<200	N	50	>5,000
I29R2453	37 31 0	88 21 0	2	2	.1	.7	N	N	N	100	>5,000
I29R2472	37 31 0	88 21 0	.5	1.5	.2	1	N	N	N	50	>5,000
I29R2488	37 31 0	88 21 0	.3	1.5	.15	.7	N	N	N	50	>5,000
I29R2530	37 31 0	88 21 0	2	1.5	.15	1	N	N	N	70	>5,000

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I29R1686	15	N	N	10	20	7	N	20	5	100	7	10
I29R1698	30	N	N	10	15	5	N	10	<5	70	7	<10
I29R1709	50	N	N	20	15	50	N	20	5	150	30	10
I29R1722	70	N	N	5	15	7	N	50	<5	70	10	10
I29R1729	10	N	N	N	20	5	N	20	<5	20	7	<10
I29R1747	70	N	N	5	20	7	N	20	5	70	10	20
I29R1758	100	N	N	10	500	10	N	50	<5	150	10	<10
I29R1775	150	N	N	100	50	20	50	50	7	200	50	50
I29R1790	30	N	N	50	50	20	50	20	5	100	20	50
I29R1800	50	N	N	20	50	20	70	20	10	150	50	50
I29R1811	20	N	N	30	70	20	100	50	5	100	50	50
I29R1822	20	N	N	50	50	30	70	50	5	100	50	30
I29R1833	20	N	N	30	50	20	70	50	<5	150	30	30
I29R1842	20	N	N	30	50	15	50	30	10	100	50	20
I29R1855	70	N	N	30	50	20	50	30	10	70	30	50
I29R1865	15	N	N	20	30	15	50	100	5	100	20	20
I29R1878	2	N	N	20	50	20	<20	30	<5	50	20	30
I29R1888	<1	N	N	30	50	20	50	50	7	100	50	20
I29R1900	5	N	N	20	30	20	50	50	5	70	30	15
I29R1910	10	N	N	20	30	15	N	50	<5	70	50	15
I29R1920	3	N	N	10	20	15	N	50	N	30	10	10
I29R1930	<1	N	N	15	20	15	N	50	N	100	10	15
I29R1940	<1	N	N	10	20	10	N	50	5	30	10	10
I29R1950	3	N	N	10	20	15	N	50	7	70	15	10
I29R1965	15	N	N	10	20	20	N	70	<5	50	15	10
I29R1975	1	N	N	10	20	20	N	50	<5	50	15	<10
I29R1985	1	N	N	15	30	20	N	30	7	70	15	20
I29R1995	<1	N	N	10	20	15	N	50	5	50	10	10
I29R2006	<1	N	N	10	20	15	N	50	5	70	15	20
I29R2021	5	N	N	20	20	20	N	50	<5	100	15	30
I29R2032	20	N	N	20	20	20	N	50	<5	50	15	30
I29R2045	30	N	N	15	20	20	N	30	10	100	15	20
I29R2055	70	N	N	15	30	20	N	50	10	70	20	30
I29R2071	5	N	N	30	30	20	N	50	5	100	20	30
I29R2081	5	N	N	20	30	20	N	50	5	70	15	50
I29R2097	30	N	N	20	50	30	N	70	7	100	20	50
I29R2107	5	N	N	15	50	20	N	50	5	70	10	50
I29R2115	15	N	N	15	50	20	N	50	5	100	10	30
I29R2124	10	N	N	10	20	20	N	100	5	50	<5	300
I29R2131	30	N	N	N	15	15	N	30	5	30	<5	50
I29R2140	50	N	N	N	15	20	N	20	7	30	<5	70
I29R2195	700	N	N	N	10	7	N	15	N	150	7	10
I29R2213	200	N	N	N	10	7	N	20	N	50	7	<10
I29R2228	200	N	N	N	10	5	N	10	N	70	7	<10
I29R2245	500	N	N	5	10	10	N	50	N	70	10	<10
I29R2260	500	N	N	5	10	15	N	70	N	50	10	<10
I29R2277	>1,000	N	N	5	50	50	N	70	N	700	30	50
I29R2295	>1,000	N	N	5	20	30	N	50	N	2,000	10	30
I29R2310	>1,000	N	N	<5	20	30	N	70	N	1,000	30	30
I29R2330	>1,000	N	N	5	20	50	N	50	N	2,000	50	50
I29R2337	>1,000	N	N	N	30	30	N	50	N	1,500	50	50
I29R2366	>1,000	N	N	N	10	20	N	20	N	200	10	50
I29R2390	>1,000	N	N	N	50	30	N	20	N	500	20	700
I29R2410	>1,000	N	N	N	20	20	N	20	N	1,000	20	100
I29R2424	>1,000	N	N	N	15	15	N	50	5	700	15	30
I29R2434	>1,000	N	N	N	10	7	N	15	<5	300	10	30
I29R2453	>1,000	N	N	N	15	15	N	50	<5	500	20	50
I29R2472	>1,000	N	N	N	20	20	N	50	5	300	15	200
I29R2488	>1,000	N	N	7	20	30	N	50	5	200	10	200
I29R2530	>1,000	N	N	5	20	30	N	70	7	200	50	200

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I29R1686	N	N	N	N	N	50	50	N	N	100	<.05	12
I29R1698	N	N	N	N	N	30	<50	N	N	100	<.05	12
I29R1709	N	N	N	N	N	50	<50	N	N	200	<.05	12
I29R1722	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1729	N	N	N	N	N	50	50	N	N	100	<.05	12
I29R1747	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1758	N	N	N	N	N	50	<50	N	N	150	<.05	12
I29R1775	N	5	N	N	N	100	100	30	N	200	<.05	12
I29R1790	N	5	N	N	N	100	<50	50	N	200	<.05	22
I29R1800	N	7	N	N	N	150	<50	50	N	300	<.05	22
I29R1811	N	5	N	N	N	100	<50	30	N	200	.51	22
I29R1822	N	N	N	N	N	100	<50	20	N	200	.14	22
I29R1833	N	5	N	N	N	100	<50	70	N	300	.07	22
I29R1842	N	5	N	500	N	100	<50	50	N	200	<.05	22
I29R1855	N	<5	N	700	N	100	<50	20	N	200	.13	22
I29R1865	N	N	N	1,500	N	50	<50	50	N	200	<.05	22
I29R1878	N	N	N	5,000	N	50	<50	50	N	200	<.05	22
I29R1888	N	N	N	<100	N	30	<50	50	N	200	<.05	22
I29R1900	N	N	N	<100	N	50	<50	70	N	300	<.05	22
I29R1910	N	N	N	200	N	50	<50	50	N	200	<.05	22
I29R1920	N	N	N	<100	N	50	<50	50	N	100	<.05	22
I29R1930	N	N	N	N	N	50	<50	30	N	200	<.05	22
I29R1940	N	N	N	N	N	30	<50	20	N	150	<.05	22
I29R1950	N	N	N	N	N	50	<50	50	N	200	<.05	22
I29R1965	N	N	N	N	N	50	<50	30	N	200	<.05	22
I29R1975	N	N	N	N	N	50	<50	30	N	150	<.05	22
I29R1985	N	N	N	N	N	50	<50	30	N	200	<.05	22
I29R1995	N	N	N	N	N	30	<50	30	N	150	<.05	22
I29R2006	N	N	N	N	N	50	<50	50	N	300	<.05	22
I29R2021	N	N	N	<100	N	70	<50	50	N	200	<.05	22
I29R2032	N	N	N	N	N	100	<50	50	N	200	<.05	25
I29R2045	N	N	N	N	N	100	<50	30	N	200	<.05	25
I29R2055	N	N	N	N	N	100	<50	50	N	150	<.05	25
I29R2071	N	N	N	<100	N	100	<50	50	N	150	.12	25
I29R2081	N	N	N	N	N	100	<50	50	N	150	<.05	25
I29R2097	N	N	N	N	N	100	<50	70	N	200	.07	25
I29R2107	N	N	N	N	N	100	<50	50	N	200	.17	25
I29R2115	N	N	N	150	N	100	<50	50	N	200	.1	25
I29R2124	N	7	N	300	N	50	<50	50	N	100	2.69	25
I29R2131	N	<5	N	150	N	30	<50	50	N	50	3.99	25
I29R2140	N	5	N	150	N	50	<50	50	N	100	5.19	25
I29R2195	N	N	N	<100	N	20	<50	20	N	30	.12	25
I29R2213	N	N	N	<100	N	10	<50	20	N	20	.16	25
I29R2228	N	N	N	<100	N	15	<50	50	N	20	.21	26
I29R2245	N	N	N	<100	N	20	<50	20	N	20	.09	26
I29R2260	N	N	N	<100	N	20	<50	20	N	20	.43	26
I29R2277	N	5	<10	500	N	500	200	100	N	200	5.59	26
I29R2295	N	5	N	200	N	700	300	70	N	100	3.99	26
I29R2310	N	N	N	500	N	500	50	70	N	50	5.19	26
I29R2330	N	5	N	700	N	500	100	100	200	100	7.59	26
I29R2337	N	5	N	700	N	500	100	100	N	100	5.59	26
I29R2366	N	N	N	500	N	100	<50	20	N	50	.53	26
I29R2390	<100	<5	10	500	N	200	100	70	N	100	2.99	26
I29R2410	N	N	N	500	N	200	70	70	N	100	4.79	26
I29R2424	N	N	N	500	N	200	100	100	<200	100	1.99	26
I29R2434	N	N	N	500	N	100	<50	50	N	70	1.01	26
I29R2453	N	N	N	500	N	150	50	100	N	100	2.39	26
I29R2472	N	<5	N	300	N	100	50	70	N	100	.39	26
I29R2488	N	<5	10	500	N	150	<50	50	N	70	.71	26
I29R2530	N	<5	N	500	N	100	<50	100	N	150	1.43	26

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
I29R2560	37 31 0	88 21 0	2	1	.1	>1	N	N	N	100	>5,000
I29R2578	37 31 0	88 21 0	3	1	.1	1	.5	N	N	100	>5,000
I29R2605	37 31 0	88 21 0	5	1	.15	.3	N	N	N	100	>5,000
I29R2635	37 31 0	88 21 0	2	.7	.05	.2	1.5	<200	N	50	>5,000
I29R2666	37 31 0	88 21 0	2	.5	.02	.1	N	N	N	50	>5,000
I29R2688	37 31 0	88 21 0	2	1	.05	.1	N	N	N	50	>5,000
I29R2739	37 31 0	88 21 0	1.5	1.5	.07	.2	N	N	N	50	>5,000
I29R2755	37 31 0	88 21 0	2	5	.07	.3	N	N	N	50	>5,000
I29R2769	37 31 0	88 21 0	2	2	.1	.3	N	N	N	50	>5,000
I29R2785	37 31 0	88 21 0	3	5	.07	.2	N	N	N	50	>5,000
I29R2800	37 31 0	88 21 0	10	1.5	.1	.5	N	N	N	50	>5,000
I29R2820	37 31 0	88 21 0	3	1.5	.15	.3	N	N	N	50	>5,000
I29R2840	37 31 0	88 21 0	15	1	.2	1	N	N	N	70	>5,000
I29R2860	37 31 0	88 21 0	3	.7	.1	.5	N	N	N	30	>5,000
I29R2880	37 31 0	88 21 0	2	1	.1	.7	N	N	N	50	>5,000
I29R2900	37 31 0	88 21 0	2	1	.1	1	N	N	N	50	>5,000
I29R2924	37 31 0	88 21 0	1.5	.7	.05	.7	N	N	N	50	>5,000
I29R2948	37 31 0	88 21 0	10	1	.15	1	N	N	N	50	>5,000
I29R2975	37 31 0	88 21 0	2	1	.1	.7	N	N	N	50	>5,000
I29R3000	37 31 0	88 21 0	10	1	.15	1	N	N	N	50	>5,000
I29R3016	37 31 0	88 21 0	2	1	.1	>1	N	N	N	50	>5,000
I29R3035	37 31 0	88 21 0	10	1.5	.07	1	N	N	N	30	5,000
I29R3054	37 31 0	88 21 0	2	1.5	.1	1	N	N	N	30	1,000
I29R3074	37 31 0	88 21 0	1.5	1	.05	1	N	N	N	30	>5,000
I29R3098	37 31 0	88 21 0	3	1.5	.05	1	N	N	N	30	5,000
I29R3120	37 31 0	88 21 0	2	1	.07	.7	N	N	N	20	500
I29R3137	37 31 0	88 21 0	.5	.2	<.02	.2	N	N	N	20	1,000
I29R3147	37 31 0	88 21 0	1	.15	.02	.2	N	N	N	30	150
I29R3163	37 31 0	88 21 0	2	.5	.05	.5	N	N	N	30	2,000
I29R3172	37 31 0	88 21 0	3	.5	.05	.5	N	N	N	20	2,000
I29R3190	37 31 0	88 21 0	2	.7	.05	.5	N	N	N	15	700
I29R3228	37 31 0	88 21 0	.3	3	.05	.5	1	N	N	50	700
I29R3233	37 31 0	88 21 0	<.05	3	.05	.5	.7	N	N	30	200
I29R3242	37 31 0	88 21 0	.07	3	.07	1	.5	N	N	50	300
I29R3253	37 31 0	88 21 0	.07	2	.05	.7	<.5	N	N	50	500
I29R3260	37 31 0	88 21 0	.05	2	.05	.5	N	N	N	20	500
I29R3268	37 31 0	88 21 0	.1	5	.07	.5	1	N	N	50	700
I29R3273	37 31 0	88 21 0	.2	3	.05	.5	N	N	N	50	500
I29R3282	37 31 0	88 21 0	.3	5	.05	.7	<.5	N	N	30	500
I29R3287	37 31 0	88 21 0	.2	2	.02	.5	N	N	N	20	200
I29R3295	37 31 0	88 21 0	<.05	2	<.02	.5	N	N	N	30	100
I29R3306	37 31 0	88 21 0	.07	3	.02	.7	N	N	N	20	300

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
I29R2560	>1,000	N	N	5	20	30	N	50	7	200	50	500
I29R2578	>1,000	N	30	5	15	100	N	30	10	500	50	100
I29R2605	>1,000	N	N	5	20	70	N	50	5	150	15	150
I29R2635	>1,000	N	N	N	15	15	N	10	<5	100	10	100
I29R2666	>1,000	N	N	N	10	10	N	<10	<5	70	10	50
I29R2688	>1,000	N	N	N	10	10	N	15	5	50	30	150
I29R2739	>1,000	N	N	N	15	100	N	20	N	150	50	50
I29R2755	>1,000	N	N	<5	15	500	N	20	N	200	30	150
I29R2769	>1,000	N	N	N	10	300	N	15	N	150	50	30
I29R2785	>1,000	N	N	5	20	200	N	30	<5	100	50	30
I29R2800	>1,000	N	N	5	15	1,500	N	50	5	200	30	150
I29R2820	>1,000	N	N	5	20	200	N	30	<5	150	50	100
I29R2840	>1,000	N	N	10	20	50	N	30	10	700	20	700
I29R2860	150	N	N	<5	10	30	N	10	7	150	20	1,000
I29R2880	15	N	N	7	15	100	N	50	10	300	20	1,500
I29R2900	>1,000	N	N	5	20	30	N	50	10	300	20	300
I29R2924	>1,000	N	N	5	15	20	N	20	5	500	50	200
I29R2948	>1,000	N	N	10	20	100	N	30	10	500	30	2,000
I29R2975	>1,000	N	N	10	20	30	N	20	10	300	50	500
I29R3000	>1,000	N	N	10	20	50	N	20	10	500	50	300
I29R3016	200	N	N	10	20	50	N	20	15	500	50	200
I29R3035	200	N	N	5	20	20	N	30	10	500	20	200
I29R3054	50	N	N	15	20	70	N	50	20	200	50	300
I29R3074	300	N	N	<5	20	50	N	15	7	300	15	500
I29R3098	1,000	N	N	7	20	70	<20	50	10	500	30	300
I29R3120	150	N	N	7	20	20	N	20	7	150	50	100
I29R3137	200	N	N	N	15	15	N	10	5	200	7	150
I29R3147	200	N	N	N	15	7	N	<10	<5	100	7	15
I29R3163	>1,000	N	N	<5	15	20	N	20	7	300	15	200
I29R3172	200	N	N	5	20	20	N	20	10	200	15	200
I29R3190	100	N	N	5	15	100	N	20	7	50	15	30
I29R3228	150	N	N	20	30	5,000	N	100	20	70	100	700
I29R3233	20	N	N	20	50	5,000	N	70	20	50	100	100
I29R3242	100	N	N	15	50	3,000	N	100	15	70	100	150
I29R3253	50	N	N	15	50	1,500	N	50	10	50	70	200
I29R3260	70	N	N	10	50	2,000	N	50	10	70	70	300
I29R3268	150	N	N	15	70	3,000	N	100	30	100	150	200
I29R3273	100	N	N	10	20	2,000	N	50	20	100	50	200
I29R3282	70	N	N	20	30	1,000	N	50	20	200	70	100
I29R3287	50	N	N	7	20	150	N	30	15	50	20	150
I29R3295	70	N	N	7	10	150	N	15	10	50	20	50
I29R3306	20	N	N	7	15	150	N	20	20	70	50	70

TABLE 13--ANALYTICAL RESULTS OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. I29, PADUCAH 1 x 2 DEGREE QUADRANGLE, MISSOURI, ILLINOIS, AND KENTUCKY.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	F-pct. ise	Form #
I29R2560	N	<5	N	500	N	100	<50	100	N	100	3.07	26
I29R2578	N	<5	N	1,000	N	150	50	100	>10,000	100	5.99	26
I29R2605	N	5	15	2,000	N	100	<50	100	2,000	100	6.79	26
I29R2635	N	N	20	2,000	N	50	<50	50	700	50	3.35	26
I29R2666	N	N	N	2,000	N	30	<50	50	N	50	3.35	26
I29R2688	N	N	N	2,000	N	30	<50	50	N	200	3.35	26
I29R2739	N	N	N	1,000	N	50	<50	300	N	200	1.67	26
I29R2755	100	<5	N	1,000	100	70	<50	700	<200	500	4.39	26
I29R2769	100	N	N	700	<100	100	<50	1,000	<200	700	4.19	26
I29R2785	<100	<5	N	700	<100	30	<50	700	N	500	4.79	26
I29R2800	100	<5	N	1,000	150	50	<50	2,000	1,000	500	8.99	26
I29R2820	N	N	20	2,000	200	50	<50	500	300	500	3.19	26
I29R2840	N	10	<10	>5,000	500	100	50	>2,000	500	700	5.99	26
I29R2860	N	5	20	5,000	100	100	<50	1,000	2,000	150	8.99	26
I29R2880	N	<5	N	>5,000	200	100	50	700	5,000	300	2.39	26
I29R2900	N	N	N	>5,000	100	100	50	500	5,000	200	2.79	26
I29R2924	N	N	N	>5,000	150	100	50	300	700	200	1.75	30
I29R2948	N	<5	15	>5,000	300	100	50	1,000	1,000	500	4.79	30
I29R2975	150	5	<10	>5,000	200	100	50	1,000	2,000	500	3.19	30
I29R3000	N	<5	N	>5,000	500	100	50	700	2,000	700	5.99	30
I29R3016	N	<5	N	>5,000	200	100	50	1,000	2,000	700	5.19	30
I29R3035	N	<5	N	>5,000	200	100	50	1,000	5,000	500	6.29	30
I29R3054	N	5	N	5,000	150	100	<50	700	1,000	300	2.49	30
I29R3074	N	<5	N	>5,000	200	70	50	700	1,500	500	1.75	30
I29R3098	N	5	N	>5,000	200	100	50	700	1,500	500	3.19	30
I29R3120	N	N	N	2,000	<100	100	<50	300	700	200	1.51	30
I29R3137	N	N	N	1,500	<100	50	50	100	1,000	300	.47	30
I29R3147	N	N	N	1,500	N	30	<50	50	200	200	1.19	30
I29R3163	N	N	N	5,000	150	50	50	500	1,000	200	2.63	30
I29R3172	N	N	N	>5,000	100	50	<50	200	700	200	3.95	30
I29R3190	N	N	N	3,000	<100	30	<50	150	N	200	2.19	30
I29R3228	<100	<5	>1,000	3,000	N	50	<50	100	200	200	.87	30
I29R3233	<100	<5	>1,000	500	N	50	<50	100	<200	200	<.05	31
I29R3242	<100	<5	1,000	700	N	70	<50	100	<200	200	.17	31
I29R3253	N	<5	300	500	N	50	<50	100	<200	200	.19	31
I29R3260	N	<5	500	500	N	50	<50	100	1,000	200	.06	31
I29R3268	150	<5	500	700	<100	70	<50	300	2,000	300	.13	31
I29R3273	N	<5	700	1,000	N	70	<50	150	2,000	300	.47	31
I29R3282	N	<5	100	2,000	<100	50	50	200	300	200	.59	31
I29R3287	N	N	30	700	N	70	<50	100	500	150	.39	31
I29R3295	N	N	N	500	N	20	<50	70	N	100	<.05	31
I29R3306	N	N	N	300	<100	30	<50	150	N	200	.11	31

Table 14. FORMATION CODES

Code	Formation
0	Cretaceous - undifferentiated
1	Pennsylvanian - undifferentiated
2	Mississippian - undifferentiated
3	Upper Chester Series
4	Middle Chester Series
5	Lower Chester Series
6	Upper Valmeyeran Series
7	Lower Valmeyeran Series
8	Kinderhookian Series
10	Devonian - undifferentiated
11	New Albany Group
12	Hunton Group
15	Silurian - undifferentiated
20	Ordovician - undifferentiated
21	Cincinnatian Series - undifferentiated
22	Maquoketa Group
23	Champlainian Series - undifferentiated
24	Cape Group
25	Galena Group
26	Platteville Group
27	Ancell Group
28	Glenwood Formation
29	Rock Levee Formation
30	Joachim Formation
31	Dutchtown Formation
32	St. Peter Formation
40	Canadian Series - undifferentiated
41	Knox Megagroup - undifferentiated
42	Prairie du Chien Group - undifferentiated
43	Everton Formation
44	Shakopee Formation
45	New Richmond Formation
46	Oneota Formation
48	Lower Ordovician - undifferentiated
49	Black Rock Formation
50	Smithville Formation
51	Powell Formation
52	Cotter Formation
53	Jefferson City Formation
54	Roubidoux Formation
55	Gasconade Formation
56	Gunter Formation
60	Cambro-Ordovician - undifferentiated
61	Cambrian - undifferentiated
62	Trempealeauan Series - undifferentiated
63	Eminence Formation

64 Potosi Formation
65 Franconian Series - undifferentiated
66 Franconia Formation
67 Ironton-Galesville Formations
68 Derby-Doerun Formations
78 Elvins Formation
69 Davis Formation
70 Reagan Formation
71 Dresbachian Series - undifferentiated
72 Eau Claire Formation
73 Bonneterre Formation
74 Mt. Simon Formation
75 Lamotte Formation
76 Bonneterre-Lamotte Transition Zone

80 Precambrian - undifferentiated
81 Precambrian granite