PESTICIDE, NUTRIENT, WATER-DISCHARGE AND PHYSICAL-PROPERTY DATA FOR THE MISSISSIPPI RIVER AND SOME OF ITS TRIBUTARIES, APRIL 1991-SEPTEMBER 1992

by R.H. Coupe, D.A. Goolsby, J.L. Iverson, D.J. Markovchick, and S.D. Zaugg

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CONVERSION FACTORS AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
cubic meter per second (m^3/s)	35.31	cubic foot per second
meter (m)	3.281	foot
liter (L)	0.2642	gallon
kilometer (km)	0.6214	mile
square kilometer (km^2)	0.3861	square mile

Abbreviated water-quality units used in this report:

microsiemens per centimeter at 25 degrees Celsius (µS/cm)

milligram per liter (mg/L)

microgram per liter (µg/L)

milliliter (mL)

microliter (µL)

millimeter (mm)

micrometer (µm)

To convert degrees Celsius (°C) to degree Fahrenheit (°F), use the following formula:

$$°F=9/5(°C)+32$$

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ABSTRACT

This report presents pesticide, nutrient, water-discharge, and physical-property data for the Mississippi River and some of its tributaries collected during April 1991 through September 1992. Surface-water samples were collected at eight sites. Three sites were on the Mississippi River and one each on the Ohio, Illinois, Missouri, Platte (tributary to the Missouri River), and White (tributary to the Ohio River) Rivers. The samples were collected to determine the temporal and spatial distribution and mass transport of selected pesticides and nutrients, especially those associated with the production of row crops.

Procedures for the collection of representative surface-water samples are described as well as the analytical methods used to determine the pesticide and nutrient concentrations. Field and laboratory quality-assurance procedures are described, and the results are presented.

INTRODUCTION

The Mississippi River drains an area of intensive row-crop production. Millions of pounds of herbicides, insecticides, and nitrogen fertilizers are applied annually to improve crop yields. Recent studies have shown that many of these compounds are transported into the Mississippi River and eventually are discharged into the Gulf of Mexico.

Studies conducted by the U.S. Geological Survey (USGS) in 1989 and 1990 indicate that herbicides are flushed from cropland each spring and summer and are transported into tributary streams to the Mississippi River (Goolsby and others, 1991b; Thurman and others, 1991, 1992). During May and June 1989, maximum concentrations of four herbicides (alachlor, atrazine, cyanazine, and metolachlor) ranged from 10 to more than 100 µg/L in streams draining several hundred to several thousand square kilometers. Similar concentrations were measured in these streams again in 1990 (Goolsby and others, 1991b).

Water samples collected at many points on the Mississippi River and its tributaries as part of a study of sediment-related transport of organic contaminants in the Mississippi River have shown that major rivers such as the Missouri, Ohio, and Mississippi are affected by the discharge of herbicides from tributary streams (Meade and Stevens, 1990; Moody and Meade, 1992). Pereira and Rostad (1990) reported concentrations of atrazine and alachlor as large as about 1 µg/L in samples collected between St. Louis, Mo., and New Orleans, La., during May and June 1988. During mid-June 1990, atrazine concentrations in this same reach of the Mississippi River ranged from 1.5 to 3.0 µg/L (Moody and Goolsby, 1993).

In order to better understand the occurrence, temporal and spatial distribution, and mass transport of selected pesticides and nutrients in the Mississippi River, the USGS conducted an intensive study of the river and several large tributaries during 1991 and 1992. Surface-water samples were collected at eight sites (fig. 1). Three were on the Mississippi River and one each on the Ohio, Illinois, Missouri, Platte (tributary to the Missouri River), and White (tributary to the Ohio River) Rivers. Additional information describing the study can be obtained from Goolsby and others (1991a).

Purpose and Scope

The purpose of this report is to describe the data-collection and analytical methods and the field and laboratory quality-assurance procedures, and to present the pesticide, nutrient, water-discharge, and physical-property data from surface-water samples collected as part of this study. These data are derived from almost 600 samples collected at eight sites from April 1991 through September 1992.

Acknowledgments

Samples for this study were collected by USGS employees from the Illinois, Indiana, Kentucky, Iowa, Missouri, Nebraska, and Louisiana District offices and analyzed by the USGS National Water Quality Laboratory (NWQL) in Arvada, Colo. This study would not have been possible without the hard work and dedication displayed by these men and women.

Figure 1.--Location of sampling sites.

DATA COLLECTION

This section provides a description of the sampling sites, the rationale for their selection, the sampling schedule, documentation of sample-collection and processing procedures, and measurements of water discharge and physical properties.

Sampling Sites

Sampling sites were selected at three USGS water-discharge gaging stations on the Mississippi River (fig. 1). Sampling sites also were selected at the water-discharge gaging stations closest to the mouths of the Ohio, Illinois, and Missouri Rivers, and on one stream that is a secondary tributary to the Ohio River and one that is tributary to the Missouri River. The following is a description, by river basin, of each of the eight sampling sites (the 8-digit number following the name of each site is the USGS station number). Site locations are shown in figure 1.

Upper Mississippi River Basin

1. Mississippi River at Clinton, Iowa, station 05420500 (drainage area 221,700 km^2): This site is the northernmost sampling site on the Mississippi River. Samples from this site provide a measure of the agricultural chemical inputs from the upper basin States of northeastern Iowa, Minnesota, and Wisconsin.

2. Illinois River at Valley City, Ill., station 05586100 (drainage area 69,260 km^2): Samples from this site provide a measure of the inputs from the Illinois River, a tributary to the Upper Mississippi River, that drains an area of intensive row-crop agriculture.

3. Mississippi River at Thebes, Ill., station 07022000 (drainage area 1,847,200 km^2): Samples from this site provide a measure of agricultural chemicals discharged from the Upper Mississippi and Missouri River Basins and represent essentially all of the Mississippi River discharge upstream from the Ohio River.

Missouri River Basin

4. Platte River at Louisville, Nebr., station 06805500 (drainage area 222,200 km^2): Samples from this site measure the inputs from a major tributary to the Missouri River. The Platte River drains an area of intensely irrigated agriculture in Nebraska.

5. Missouri River at Hermann, Mo., station 06934500 (drainage area 1,357,000 km^2): This site is relatively near the mouth of the Missouri River, and samples provide an estimate of agricultural chemical input to the Mississippi River from the entire Missouri River Basin.

Ohio River Basin

6. White River near Hazleton, Ind., station 03374100 (drainage area 29,300 km^2): This relatively small basin drains an area of intensive agriculture in central and western Indiana. The White River discharges to the Wabash River, which in turn discharges to the Ohio River.

7. Ohio River at Grand Chain, Ill., station 03612500 (drainage area 526,000 km^2): Samples from this site provide a measure of inputs from the Ohio River Basin to the Mississippi River.

Lower Mississippi River Basin

8. Mississippi River at Baton Rouge, La., station 07373420 (drainage area 2,914,000 km^2): Samples from this site and estimates of the Mississippi River diversions into the Atchafalaya River provide a measure of the total agricultural chemical discharge from the Mississippi River Basin to the Gulf of Mexico.

Sampling Schedule

Sample collection for this study began in April 1991 and continued through September 1992 (fig. 2). Samples were collected about once per week, but collection was more frequent during late spring and summer, when the concentrations of agricultural chemicals are expected to be highest, and less frequent in the winter, when concentrations of these chemicals are expected to be lowest. The sampling schedule was as follows:

April 1991: One sample per week.

May 6–July 15, 1991: Two samples per week (except one sample per week for the Ohio River at Dam 53 near Grand Chain, Ill.).

July 15–October 30, 1991: One sample per week (sample collection at White River near Hazleton, Ind., continued at two samples per week through August).

November 1991–February 1992: One sample every 2 weeks (except for Mississippi River at Baton Rouge, La., where sampling frequency remained at one sample per week).

March 1992–July 1992: One sample per week (sample collection was discontinued at Illinois River at Valley City, Ill., after March 1992. Sample-processing procedures were changed for the Platte River at Louisville, Nebr., after May 7, 1992, and data are not included in this report. Also, because of changes in sample-processing procedures, few data are included for the White River near Hazleton, Ind., after April 29, 1992). Sample collection was discontinued at all remaining sites except the White River near Hazleton, Ind., and the Mississippi River at Baton Rouge, La., at the end of July 1992.

August 26, 1992: Sample collection was discontinued at the White River at Hazleton, Ind.

September 23, 1992: Sample collection was discontinued at the Mississippi River at Baton Rouge, La.

The increased sampling frequency during May, June, and July provided more information on the concentrations and transport of agricultural chemicals during the first-flush events following pesticide application. Special efforts were made to distribute these samples over the discharge hydrograph to obtain the best estimates of mass transport of agricultural chemicals.

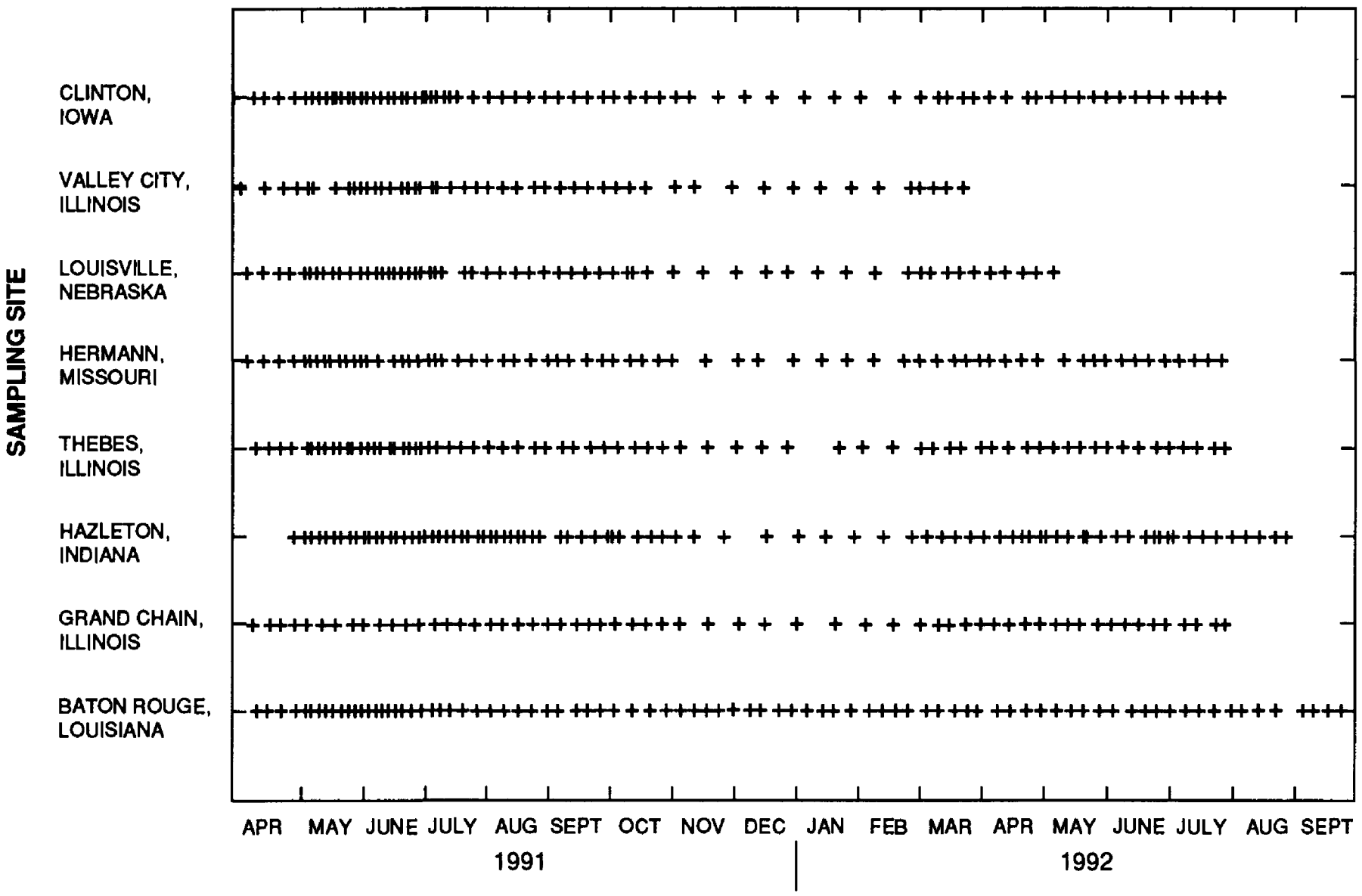

Figure 2.--Sampling schedule.

Sample-Collection and Processing Procedures

Samples were collected by equal-discharge-increment or equal-width-increment procedures (Edwards and Glysson, 1988) at all sites except Mississippi River at Baton Rouge, La. At each sampling site, water samples were collected in glass containers at five or more locations across the river by using depth-integrating samplers and were composited in large glass or stainless-steel containers. A Teflon cone splitter was then used to divide the composite sample into subsamples to be analyzed for the concentrations of dissolved herbicides and insecticides; dissolved nitrate, nitrite, and ammonia-nitrogen; dissolved orthophosphate; total organic plus ammonia-nitrogen; total phosphorus; and suspended sediment. This procedure provided a sample that was representative of the entire cross section of the river.

Previous work has indicated that dissolved solutes in the Mississippi River at Baton Rouge, La., are well mixed vertically and laterally (C.R. Demas, U.S. Geological Survey, Baton Rouge, La., oral commun., 1991). Therefore, to minimize sample-collection costs, samples at Baton Rouge were collected from the upper 6 m of the water column at the end of a pier that extends about 45 m from shore. As a quality-assurance measure, samples were collected once at several points across the river channel at Baton Rouge, La., to verify that the river water was well mixed. In addition, samples were collected concurrently from the Mississippi River near St. Francisville, La., station 07373420, on about a monthly basis, using the depth-integrating and compositing procedures outlined in this report. This station is about 56 km upstream from the pier from which the routine samples were collected. These data are

listed later in this report. Samples for total organic plus ammonia-nitrogen, total phosphorus, and suspended sediment were not collected at this site.

In this study, samples for herbicide and insecticide analysis were filtered through a 142-mm-diameter glass-fiber filter with a nominal pore size of 0.7 µm using aluminum or stainless-steel filter holders. Filtration was accomplished using either compressed nitrogen gas or pumps with ceramic and (or) Teflon pump mechanisms. The filtrate was collected in precleaned glass bottles. Samples for dissolved nutrients (nitrogen and phosphorus compounds) were filtered through a 0.45-µm membrane filter. Total and dissolved nutrients were preserved with mercuric chloride. All herbicide, insecticide, and nutrient samples were chilled immediately after collection and were shipped to the NWQL in Arvada, Colo., for analysis.

Sample processing was completed onsite immediately after collection except for the Ohio River and the Platte River sites. These sites were located close to USGS offices; therefore, samples from these sites were taken to the office for processing. In most cases, this increased the time between sample collection and processing by less than 1 hour.

Water Discharge and Physical Properties

The accuracy of water-discharge measurements depends on the stability of stage-discharge relations. Discharge data in this report are estimated to be "good," meaning that 95 percent of the data are within 10 percent of the true value, except for a few estimated discharges that are within 15 percent of the true value.

Onsite measurements for specific conductance and pH were made on the composite mixture for each sample except for those from the White River near Hazleton, Ind., where in-situ measurements from the center of flow were made. Stream temperature was measured in-situ. Except for Mississippi River at Baton Rouge, La., measurements of water discharge were obtained from stage-discharge relations at stations operated by the USGS. Water-discharge data for the Baton Rouge site were provided by the U.S. Army Corps of Engineers (COE), New Orleans District Office (Cecil W. Soileau, U.S. Army Corps of Engineers, New Orleans, La., written commun., 1992).

ANALYTICAL PROCEDURES AND RESULTS

All water samples were analyzed at the NWQL in Arvada, Colo., for herbicides, insecticides, nitrogen, and phosphorus compounds. Analytical procedures used to analyze for herbicides, insecticides, and nutrients are briefly described below. Suspended-sediment concentrations were determined by USGS laboratories in Iowa City, Iowa, Rolla, Mo., or Louisville, Ky.

Pesticides

Three analytical procedures were used at the NWQL to analyze for the pesticides of interest in this study—two solid-phase extraction (SPE) procedures and a liquid-liquid extraction (LLE) procedure that uses methylene chloride. The primary procedures used to obtain the data presented in this report are the two SPE methods. One of the SPE procedures (SPE100mL) uses 100 mL of water and has reporting limits of 0.05–0.2 µg/L. It was used to analyze for 10 herbicides and 2 atrazine metabolites. The other SPE procedure (SPE1L) uses 1 liter of water and has reporting limits of 0.002–0.01 µg/L. SPE1L was used to analyze for 28 herbicides, 16 insecticides, and 2 fungicides. The reporting limits for these analytical procedures for five representative herbicides (alachlor, atrazine, cyanazine, metolachlor, and simazine) are shown in table 1.

Table 1.–Analytical reporting limits for selected herbicides

[SPE100mL, solid-phase 100-milliliter extraction; SPE1L, solid-phase 1-liter extraction; LLE, liquid-liquid extraction; µg/L, microgram per liter]

Herbicide	SPE100mL (µg/L)	SPE1L (µg/L)	LLE (µg/L)
Alachlor	0.05	0.015/0.003*	0.2
Atrazine	0.05	0.010/0.002	0.1
Cyanazine	0.2/0.05*	0.050/0.005	0.2
Metolachlor	0.05	0.005/0.002	0.2
Simazine	0.05	0.015/0.010	0.1

*Reporting limit changed to this value about January 1992.

Solid-Phase Extraction 100 Milliliters

This procedure is used for the isolation and analysis of triazine and other nitrogen-containing herbicides. The procedure is described in detail by Sandstrom and others (1991) and is a modification of the procedure described by Thurman and others (1990). Approximately 100 mL of sample is pumped through a disposable C–18 solid-phase extraction cartridge. Prior to extraction, a surrogate standard (terbuthylazine) is added to the sample to aid in determining the extraction efficiency and in interpreting the analytical results. After extraction, the cartridges are dried with nitrogen gas and eluted with 1.8 mL of hexane-isopropanol (3:1) to remove the extracted compounds. The eluent is evaporated to about 100 µL and herbicides are analyzed on a gas chromatograph equipped with a capillary column.

Herbicides are identified and quantified with a mass spectrometer detector based on selected ion monitoring of the parent compound and two characteristic ions for each herbicide. Precision and accuracy data for this method are shown in table 2.

Table 2.--Precision and accuracy data from seven determinations of analytes by the soild-phase extraction 100-miilliiter method in surface water spiked at concentrations of 0.2 and 2.0 micrograms per liter

[µg/L, microgram per liter; %, percent]

Compound	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)
	0.2 µg/L spike			2.0 µg/L spike		
Alachlor	0.215	0.011	107	1.433	0.059	72
Ametryn	0.174	0.009	87	1.361	0.077	68
Atrazine	0.151	0.008	75	1.217	0.072	61
Cyanazine	0.282	0.022	141	1.579	0.059	79
Desethyl-atrazine	0.214	0.052	107	1.365	0.104	68
Desisopropyl-atrazine	0.144	0.055	72	1.365	0.104	68
Metolachlor	0.244	0.025	122	1.569	0.066	78
Metribuzin	0.201	0.010	101	1.602	0.042	80
Prometryn	0.177	0.017	88	1.333	0.080	67
Prometon	0.235	0.011	118	1.552	0.081	78
Propazine	0.147	0.008	74	1.207	0.077	60
Simazine	0.177	0.009	88	1.253	0.069	63

The results from this procedure are shown in table 7 (at end of report). Time-series plots of atrazine, alachlor, cyanazine, and metolachlor for the sampling sites on the Mississippi River at Clinton, Iowa, Thebes, Ill., and Baton Rouge, La., are shown in figures 3–6. The maximum contaminant levels (MCL) or health advisory levels (HA) for drinking water established by the U.S. Environmental Protection Agency (EPA, 1992) also are shown in figures 3–6. MCL's and HA's are based on average annual concentrations of contaminants and not on concentrations in individual samples.

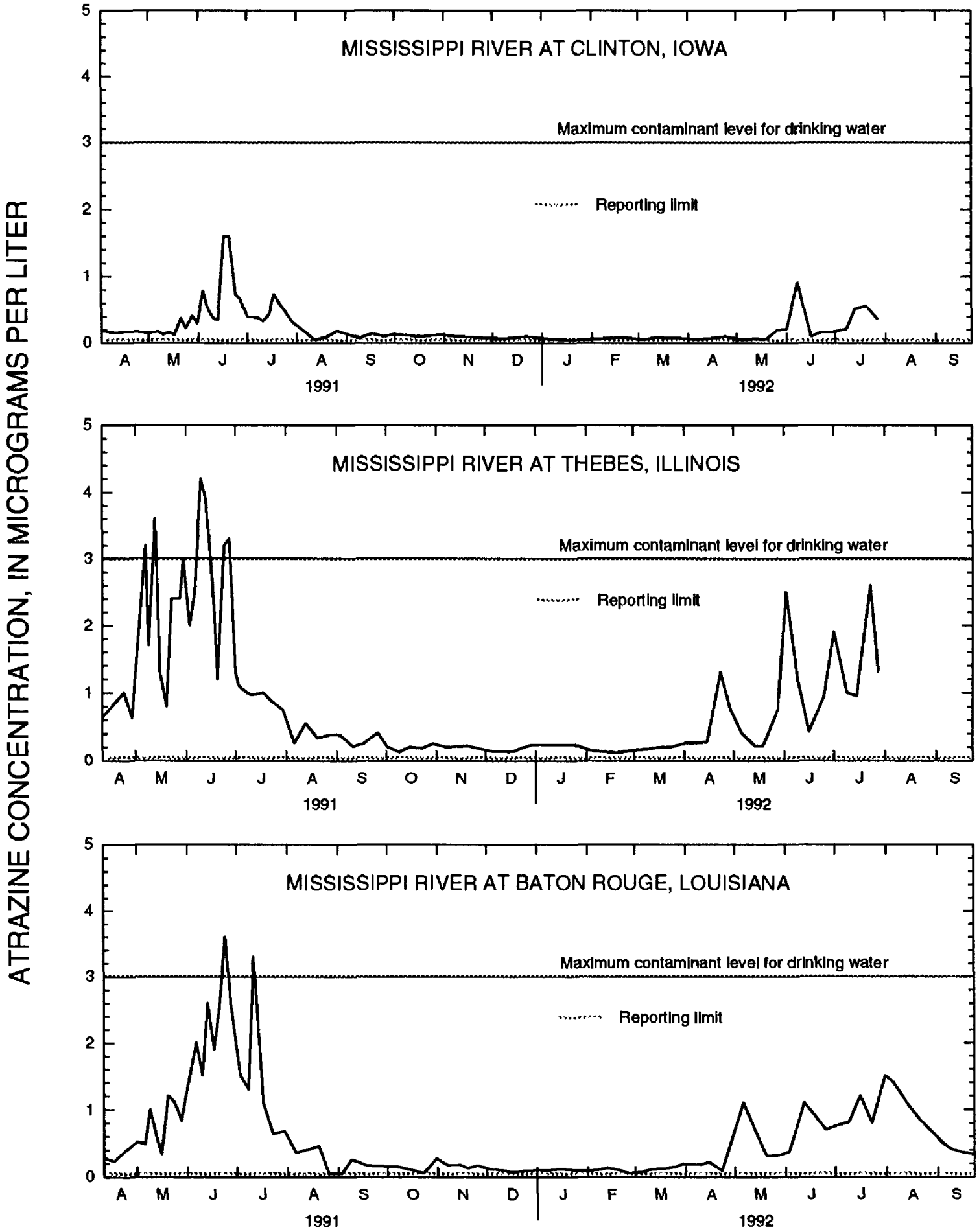

Figure 3.--Atrazine concentrations at three Mississippi River sampling sites.

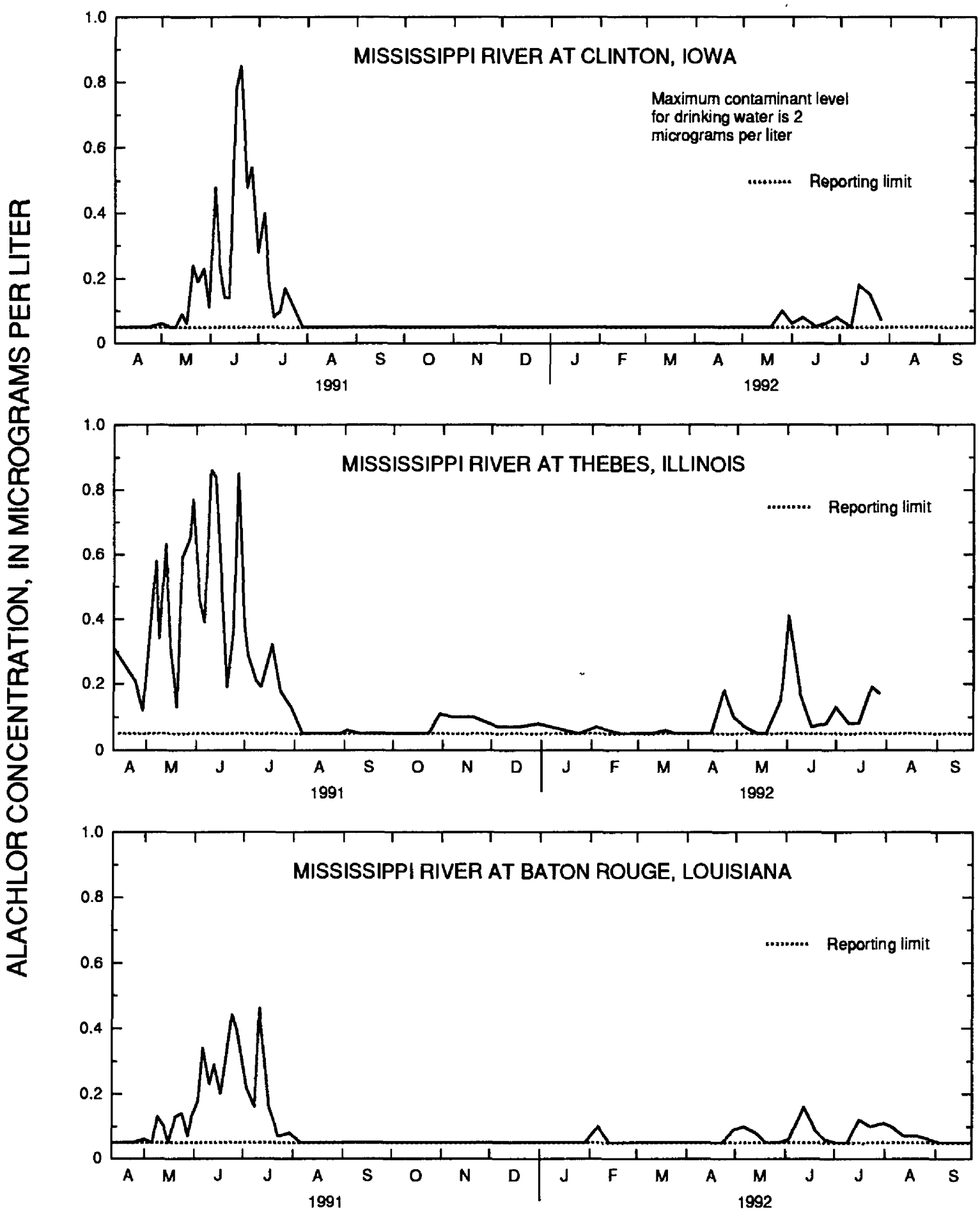

Figure 4.--Alachlor concentrations at three Mississippi River sampling sites.

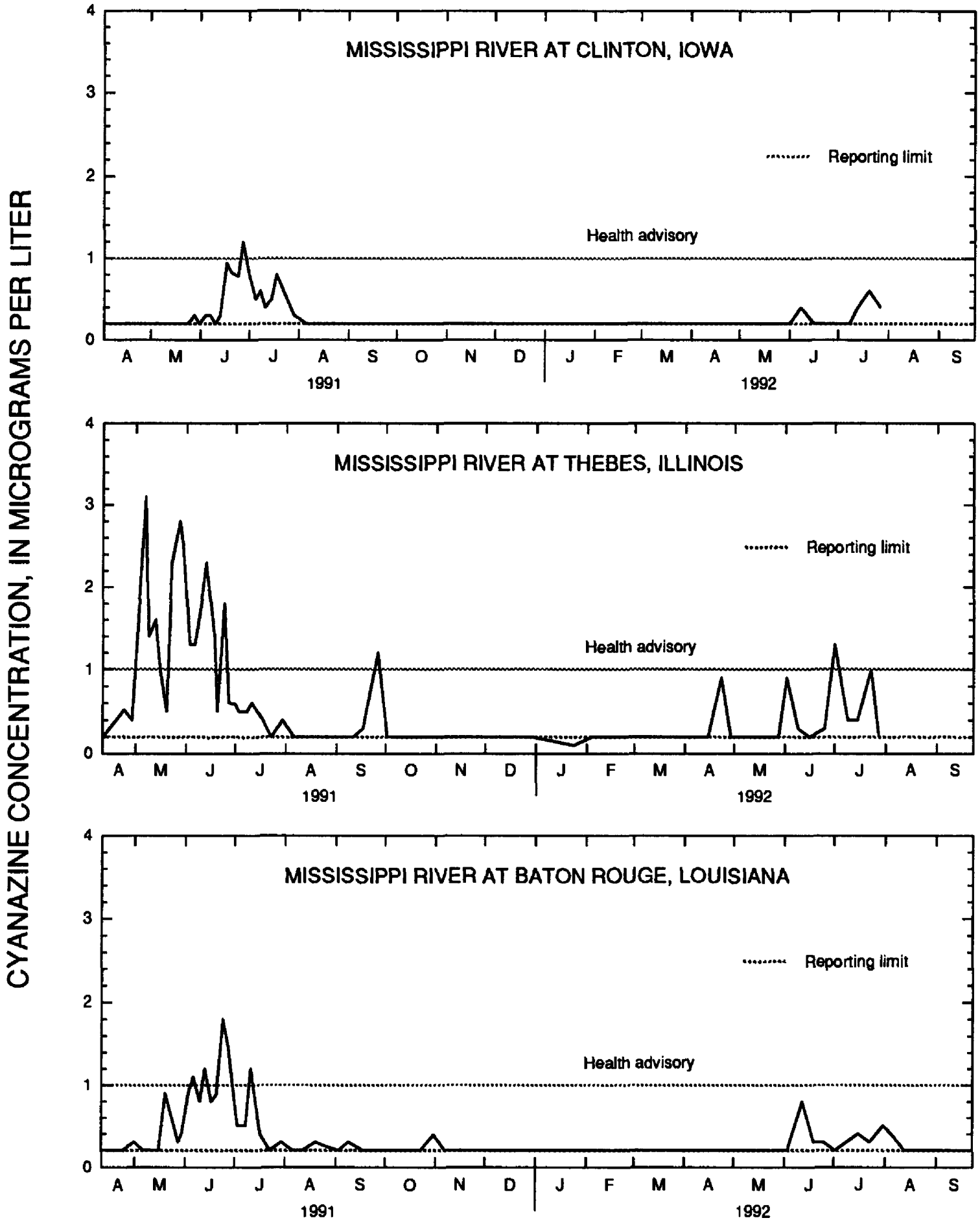

Figure 5.--Cyanazine concentrations at three Mississippi River sampling sites.

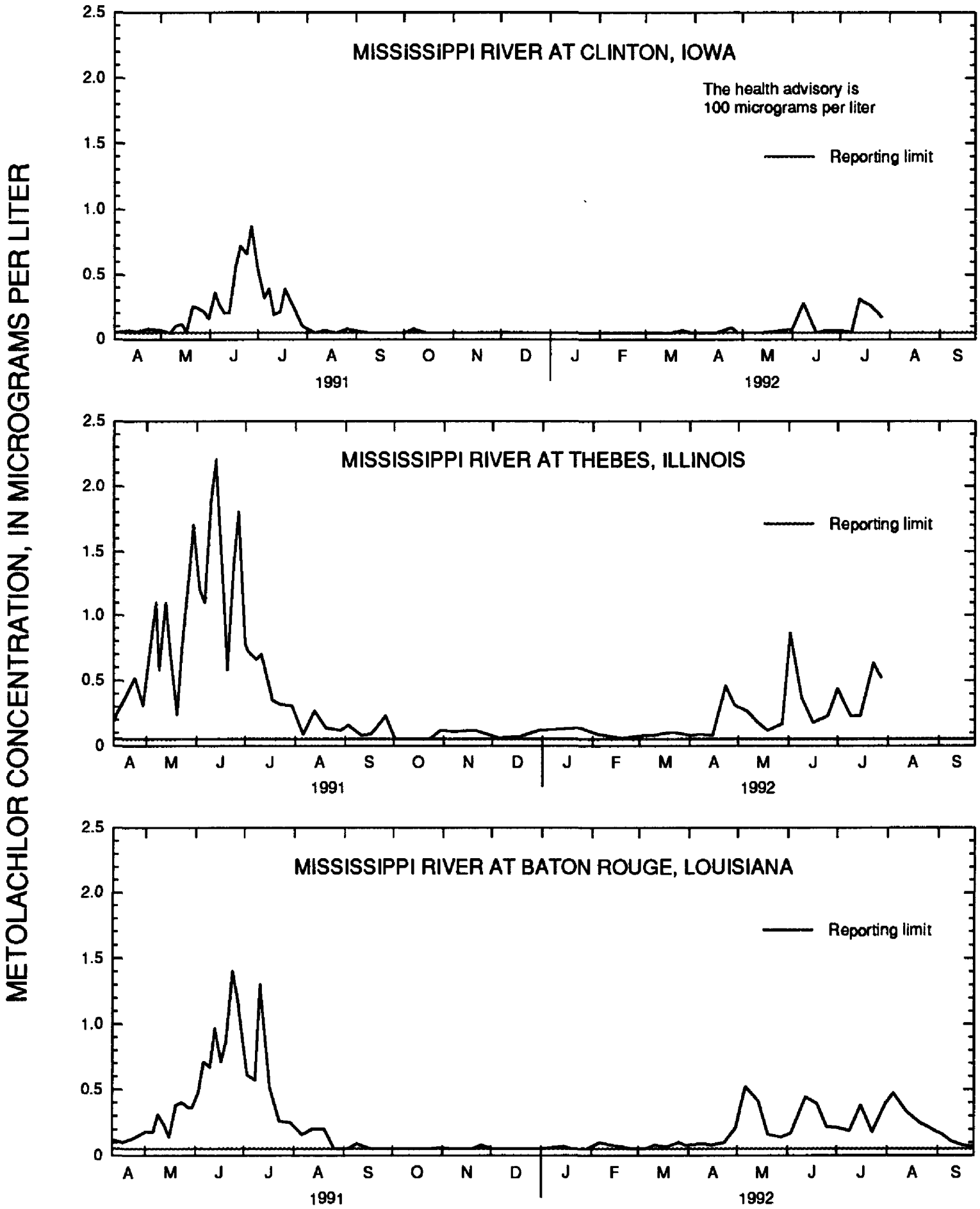

Figure 6.--Metolachlor concentrations at three Mississippi River sampling sites.

Solid-Phase Extraction 1 Liter

The solid-phase extraction 1-liter (SPE1L) method was used to analyze for both herbicides and insecticides (S.D. Zaugg, U.S. Geological Survey, written commun., 1993). It is more sensitive than the SPE100mL method and more suitable for detecting low concentrations of pesticides. One-liter water samples are extracted in the laboratory on disposable C–18 solid-phase extraction cartridges. Prior to extraction, three surrogate standards (D_6-Gamma-HCH, terbuthylazine, and D_{10}-Diazinon) are added to the sample to aid in determining the extraction efficiency and in interpreting the analytical results. The cartridges are then eluted with 2.5 mL of hexane-isopropanol (3:1). Then, 0.100 µL of a toluene solvent containing three deuterated polyaromatic hydrocarbons internal standards are added to the eluent prior to nitrogen evaporation to 0.1 mL. Two microliters of the final extract are then injected onto a gas chromatograph equipped with a capillary column to analyze for pesticides. Pesticides are identified and quantified with a mass spectrometer detector based on selected ion monitoring of the parent compound and two characteristic ions for each pesticide. Multipoint calibration curves are constructed for each pesticide using analytical reference standards representing a range in concentration of 0.004–2.0 µg/L as reported for the actual samples. Initially, SPE1L was used to determine 30 compounds but, by the end of the study, 46 compounds were identified. No samples from the Mississippi River at Baton Rouge, La., were analyzed using SPE1L. Precision and accuracy data for this method are shown in table 3. Results from this procedure are shown in table 8 (at end of report).

Table 3.–Precision and accuracy data from seven determinations of analytes by the solid-phase extraction 1-liter method in surface water spiked at concentrations of 0.1 and 1.0 *microgram per liter*

[µg/L, microgram per liter; %, percent]

Compound	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)
	0.1 µg/L spike			1.0 µg/L spike		
Alachlor (Lasso)	0.095	0.006	95	0.827	0.036	83
Alpha-HCH	0.077	0.005	77	0.654	0.016	65
Atrazine	0.103	0.007	103	0.812	0.028	81
Azinphos-methyl	0.042	0.006	42	0.233	0.024	23
Benfluralin	0.060	0.006	60	0.619	0.058	62
Butylate	0.085	0.010	85	0.853	0.023	85
Carbaryl	0.190	0.032	190	0.927	0.039	93
Carbofuran	0.119	0.006	119	0.925	0.031	93
Chlorpyrifos (Dursban)	0.080	0.008	80	0.671	0.040	67
Cyanazine	0.066	0.003	66	0.629	0.034	63
Dacthal	0.087	0.007	87	0.821	0.035	82
DDE	0.045	0.007	45	0.397	0.051	40
Diazinon	0.130	0.009	130	0.825	0.027	83
Dieldrin	0.062	0.005	62	0.577	0.045	58
2,6-Diethylaniline	0.067	0.006	67	0.738	0.018	74
Dimethoate	0.034	0.006	34	0.066	0.009	7
Disulfoton	0.141	0.005	141	0.746	0.020	75
EPTAM (EPTC)	0.083	0.004	83	0.861	0.022	86
Ethalfluralin	0.068	0.006	68	0.645	0.046	65
Ethoprop	0.096	0.011	96	0.835	0.028	84
Fonofos (Dyfonate)	0.073	0.005	73	0.738	0.019	74
Lindane	0.101	0.005	101	0.785	0.022	79
Linuron	0.037	0.002	37	0.257	0.023	26

Table 3.--Precision and accuracy data from seven determinations of analytes by the solid-phase extraction 1-liter method in surface water spiked at concentrations of 0.1 and 1.0 microgram per liter--Continued

Compound	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)	Mean concentration (µg/L)	Precision (standard deviation, in µg/L)	Accuracy (mean of spiked concentration) (%)
	0.1 µg/L spike			1.0 µg/L spike		
Malathion	0.085	0.006	85	0.761	0.037	76
Methyl-parathion	0.071	0.006	71	0.619	0.030	62
Metolachlor	0.087	0.004	87	0.880	0.033	88
Metribuzin	0.056	0.004	56	0.430	0.017	43
Molinate	0.081	0.004	81	0.845	0.024	85
Napropamide	0.079	0.004	79	0.803	0.010	80
Parathion	0.068	0.006	68	0.680	0.032	68
Pebulate	0.081	0.004	81	0.864	0.023	86
Pendimethalin	0.064	0.004	64	0.647	0.054	65
Permethrin (Ambush)	0.039	0.006	39	0.316	0.047	32
Phorate	0.105	0.005	105	0.742	0.018	74
Prometon	0.098	0.011	98	0.670	0.061	67
Pronamide	0.120	0.010	120	1.221	0.040	122
Propachlor	0.082	0.006	82	0.816	0.035	82
Propanil	0.083	0.008	83	0.770	0.031	77
Propargite (Omite)	0.056	0.005	56	0.566	0.067	57
Simazine	0.080	0.005	80	0.679	0.028	68
Tebuthiuron	0.090	0.009	90	0.773	0.060	77
Terbacil	0.125	0.010	125	0.833	0.027	83
Terbufos	0.105	0.004	105	0.755	0.025	76
Thiobencarb	0.076	0.006	76	0.761	0.029	76
Triallate	0.071	0.005	71	0.703	0.022	70
Trifluralin	0.063	0.004	63	0.635	0.057	64

Liquid-Liquid Extraction

Liquid-liquid extraction is a long-established procedure for the analysis of triazine and other nitrogen-containing compounds (Wershaw and others, 1987). The procedure is based on extraction of a 1-L sample with methylene chloride. Extracts are analyzed on a gas chromatograph equipped with dual nitrogen-phosphorus detectors. This procedure is slightly less sensitive than the two solid-phase extraction procedures but has a long and well-documented history of use. It was used in this study only for quality-control purposes in conjunction with the two SPE procedures described previously.

Nutrients

Dissolved nitrite plus nitrate, nitrite, ammonia, and orthophosphate were determined by an automated colorimetric procedure (Fishman and Friedman, 1989). Dissolved nitrate was calculated as the difference between determinations for nitrite plus nitrate and nitrite. Total organic plus ammonia nitrogen and total phosphorus were determined on unfiltered water samples following a digestion procedure in which organic and particulate forms of nitrogen and phosphorus were converted to dissolved inorganic forms. After digestion, the samples were analyzed by an automated colorimetric procedure (Fishman and Friedman, 1989). Precision and accuracy data for this method are shown in table 4.

Analytical results for nutrients are listed in table 9 (at back of report). A time-series plot of nitrate concentrations for the sampling sites on the Mississippi River at Clinton, Iowa, Thebes, Ill., and Baton Rouge, La., is shown in figure 7.

Table 4.--Precision and accuracy data for measurements of physical properties and nutrients, April 1991–September 1992

[MPV, most probable value based on analyses by multiple laboratories; N, number of measurements; µS/cm, microsiemens per centimeter at 25 degrees Celsius; diss, dissolved; mg/L, milligram per liter; --, no data]

Property or nutrient	MPV	N	Precision (standard deviation)	Accuracy (mean of measured concentration)	MPV	N	Precision (standard deviation)	Accuracy (mean of measured concentration)
	Sample 1				Sample 2			
Specific conductance[1], in µS/cm	--	73	6.57	472.3	--	67	14.6	807.2
pH[1], in units	--	70	0.03	7.29	--	80	0.04	7.90
Ammonia nitrogen, diss, in mg/L	0.05	96	0.01	0.05	0.21	17	0.03	0.22
Nitrite plus nitrate nitrogen, diss, in mg/L	0.36	22	0.03	0.33	1.50	16	0.08	1.42
Organic plus ammonia nitrogen, total, in mg/L	0.79	85	0.19	0.83	1.39	78	0.10	1.40
Orthophosphate, diss, in mg/L	0.09	96	0.01	0.09	0.88	73	0.02	0.90
Total phosphorus, in mg/L	0.19	22	0.02	0.17	1.60	71	0.12	1.58

[1]From U.S. Geological Survey field proficiency, quality-assurance program (D.L. Stanley, written commun., May 14, 1992).

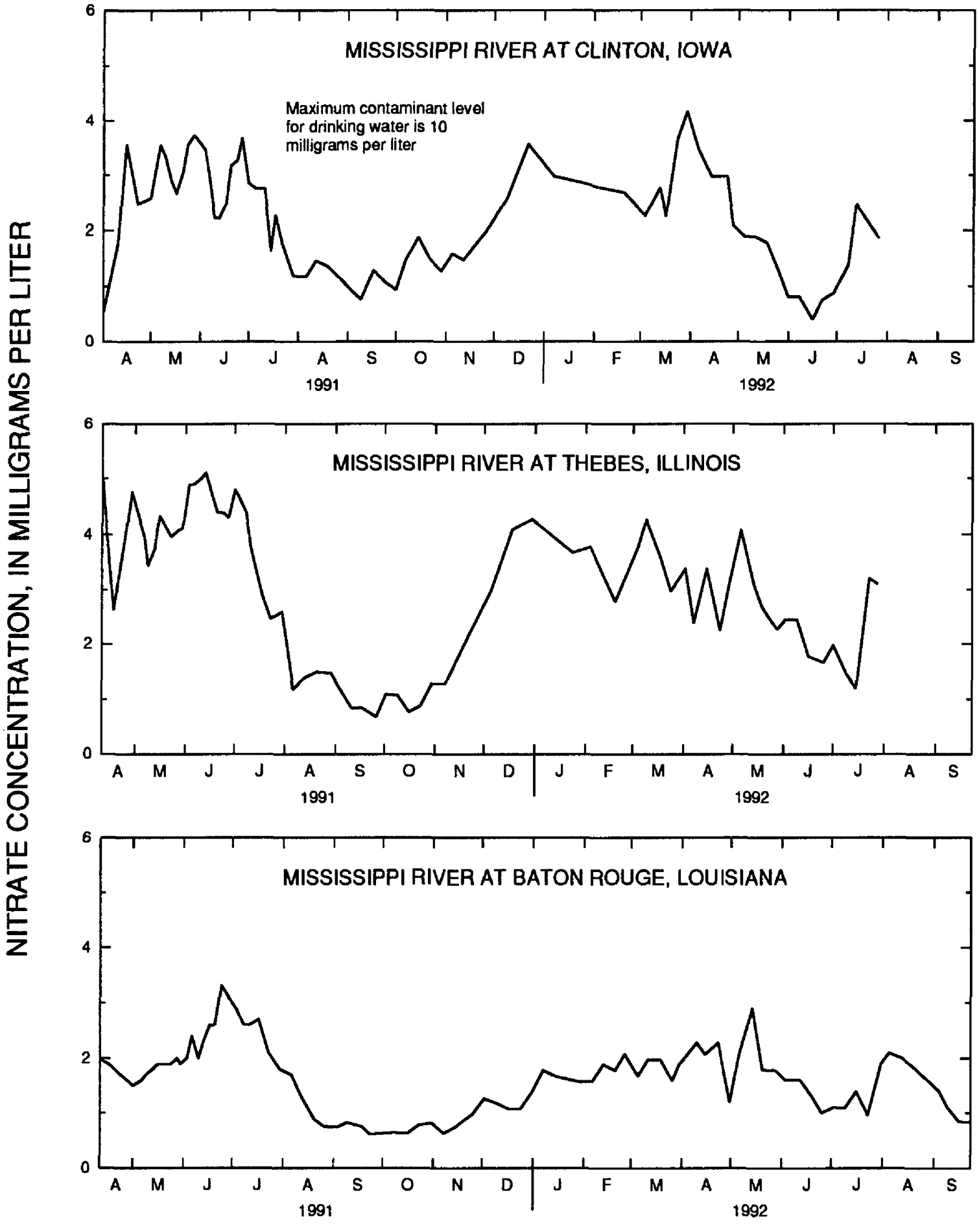

Figure 7.--Nitrate concentrations at three Mississippi River sampling sites.

Water Discharge

At all sites except Baton Rouge, where water-discharge data are provided by the COE, stage was recorded continuously by the USGS. Stage measurements were calibrated by comparison to permanent reference marks. Water discharge was calculated from stage using stage-discharge relations (Kennedy, 1983, p. 30–32). From recordings of stage, daily mean values of water discharge were calculated and permanently stored in the USGS National Water Data Storage and Retrieval System (WATSTORE). Water discharge normally was measured with current meters using techniques described by Buchanan and Somers (1969). Water-discharge measurements were used to confirm or adjust a rating for converting stage to water discharge. Daily mean water-discharge values for the day that samples were collected are shown in table 9 (at back of report). Water-discharge hydrographs for the Mississippi River at Clinton, Iowa, Thebes, Ill., and Baton Rouge, La., are shown in figures 8–10. Water-discharge hydrographs at the five sites on tributaries are shown in figures 11–15.

Water-discharge data provided by the COE for Baton Rouge are for Tarbert Landing, La., about 129 km upstream from Baton Rouge. The COE also provided water-discharge data for Mississippi River water that is diverted into the Atchafalaya River upstream from Tarbert Landing (fig. 1). The sum of the water discharge at Tarbert Landing and the Atchafalaya diversion closely represents the total water discharge from the Mississippi River Basin upstream from Baton Rouge.

Water-discharge data for White River at Hazleton, Ind., are from White River at Petersburg, Ind., station 03374000. This site is approximately 21.4 km upstream from Hazleton. Comparison of simultaneous water-discharge measurements between the two sites indicates that there is a negligible increase in water discharge of the White River between Petersburg and Hazleton (J.D. Martin, U.S. Geological Survey, Indianapolis, Ind., oral commun., 1992).

Water-discharge data for the Ohio River at Dam 53 near Grand Chain, Ill., are from Ohio River at Metropolis, Ill., station 03611500. This site is located 29 km upstream from Grand Chain, Ill. Discharges at both sites are nearly equivalent as tributary inflow is negligible.

Physical Properties

Specific conductance, pH, and water temperature were measured at the time samples were collected for analysis.

Specific conductance and pH were measured using either a single or a multiple-parameter meter. These meters were calibrated before each use with standard conductance-reference and pH-buffer solutions. Temperature values were obtained using a mercury thermometer. The temperature measurements are estimated to be accurate within $\pm$0.5 degree Celsius. These data are shown in table 9 (at back of report). A time-series plot of specific conductance in the Mississippi River at Clinton, Iowa, Thebes Ill., and Baton Rouge, La., is shown in figure 16.

Suspended-sediment concentrations were determined at USGS laboratories in Rolla, Mo., Iowa City, Iowa, or Louisville, Ky., using standard filtration and evaporation methods (Guy, 1969; Matthes and others, 1992). Based on sediment reference samples, the mean accuracy of suspended-sediment analyses is estimated to be about 92 percent of known values at low concentrations (less than 15 milligrams of sediment in sample) and about 96 percent of known values at intermediate concentrations (150–300 milligrams sediment in sample). However, estimates of sediment-concentration sampling error are not available. Suspended-sediment data are listed in table 9 (at back of report).

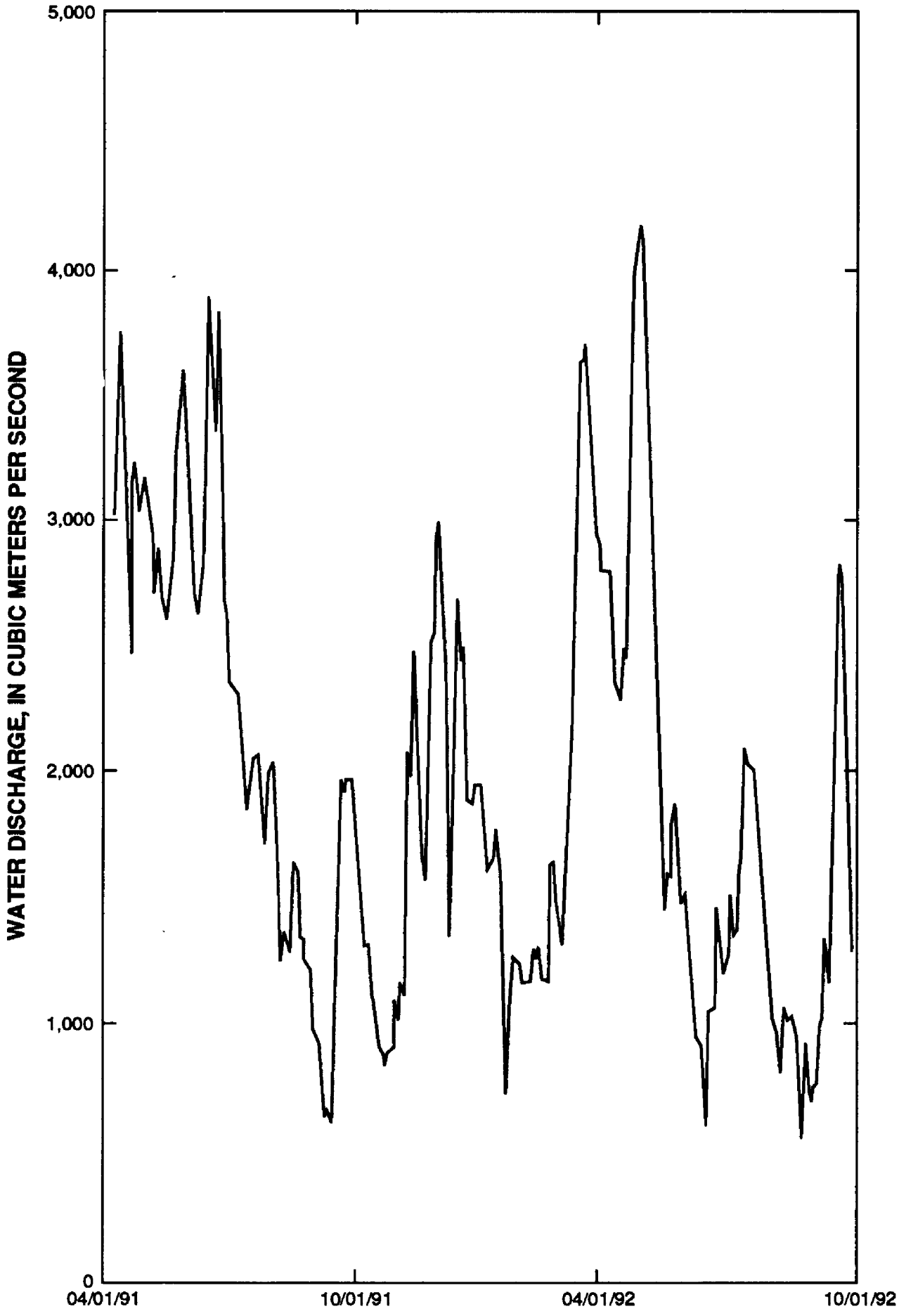

Figure 8.--Water-discharge hydrograph for the Mississippi River at Clinton, Iowa.

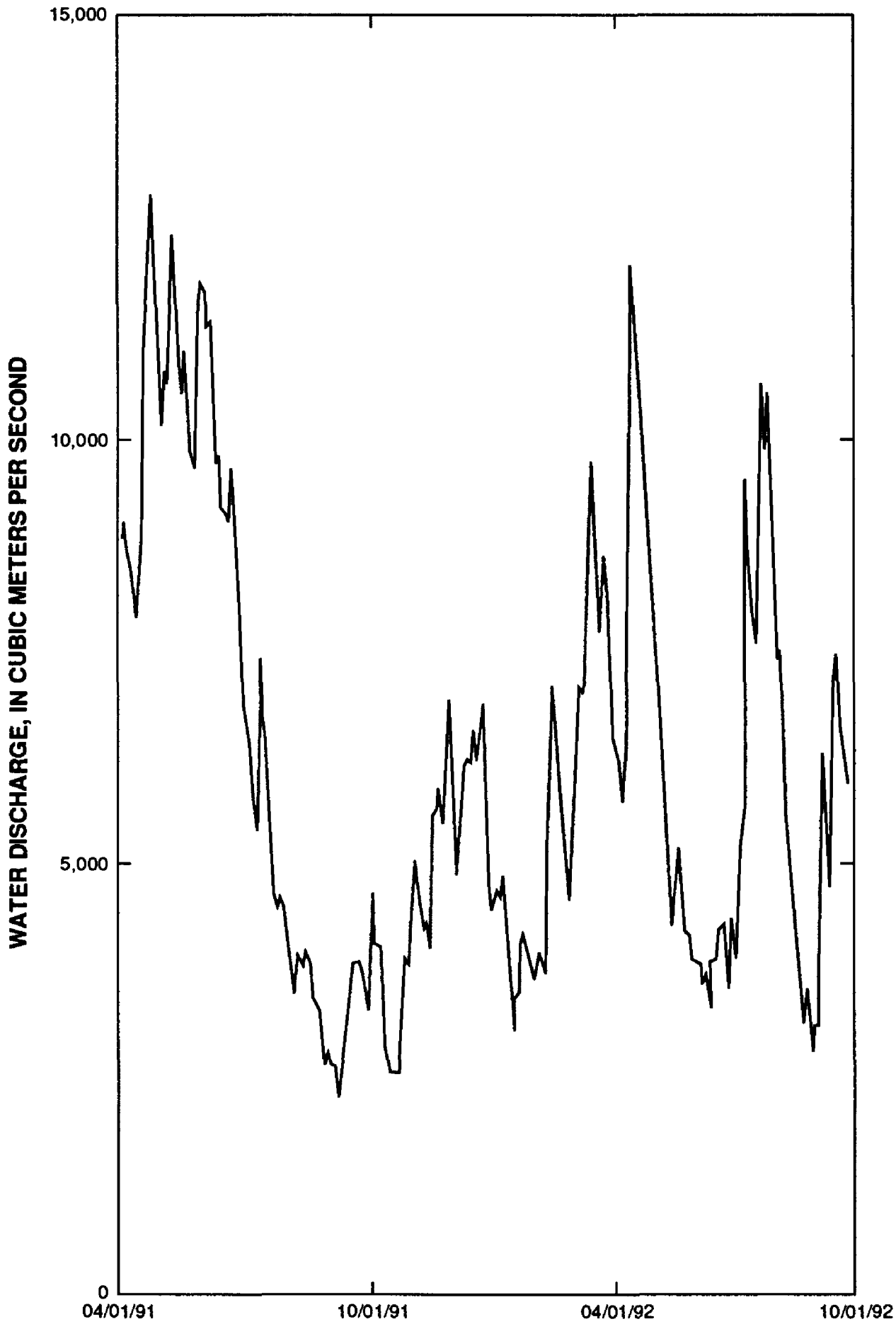

Figure 9.--Water-discharge hydrograph for the Mississippi River at Thebes, Ill.

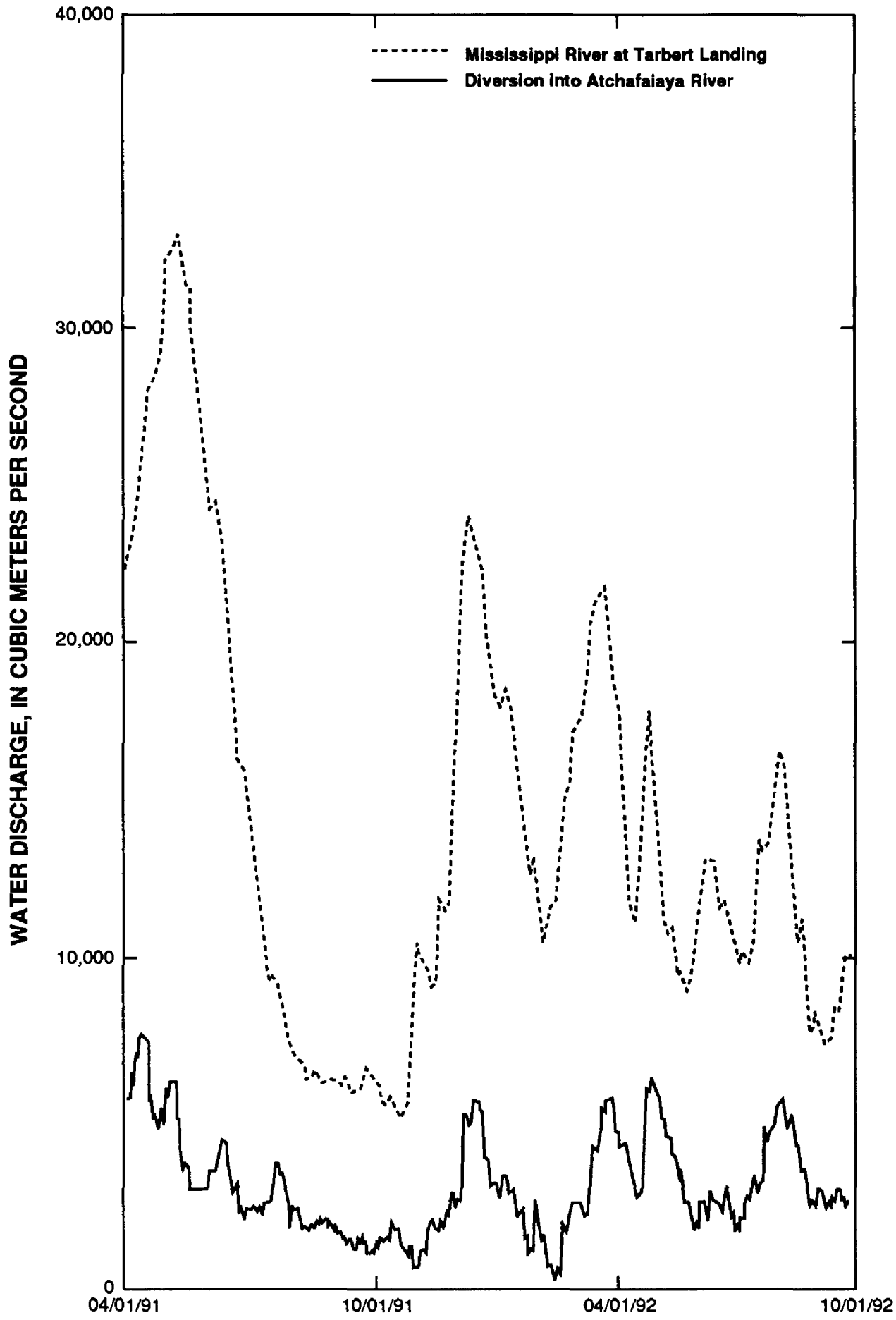

Figure 10.--Water-discharge hydrograph for the Mississippi River at Tarbert Landing, La., and for the Mississippi River diversions into the Atchafalaya River.

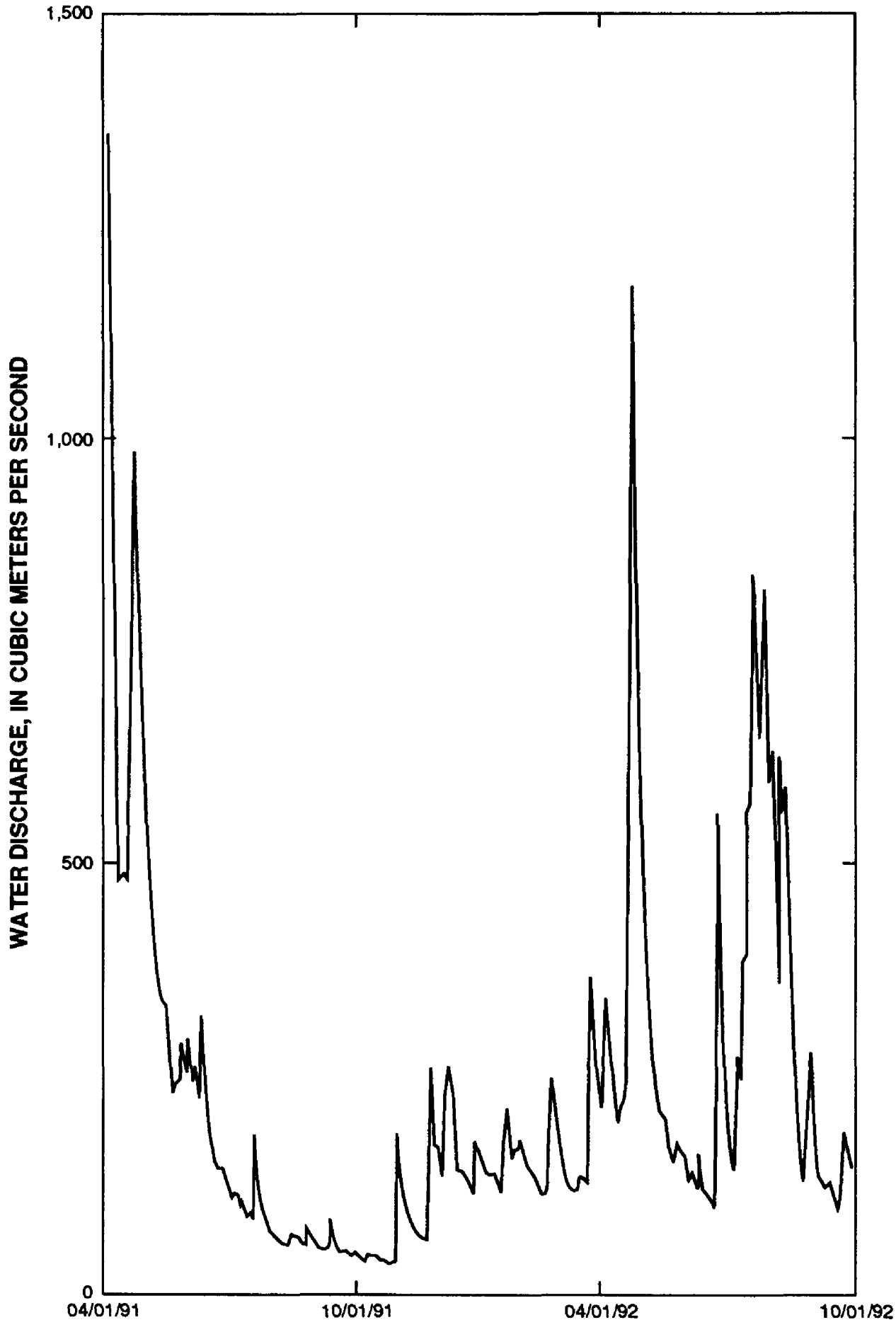

Figure 11.--Water-discharge hydrograph for the White River at Petersburg, Ind.

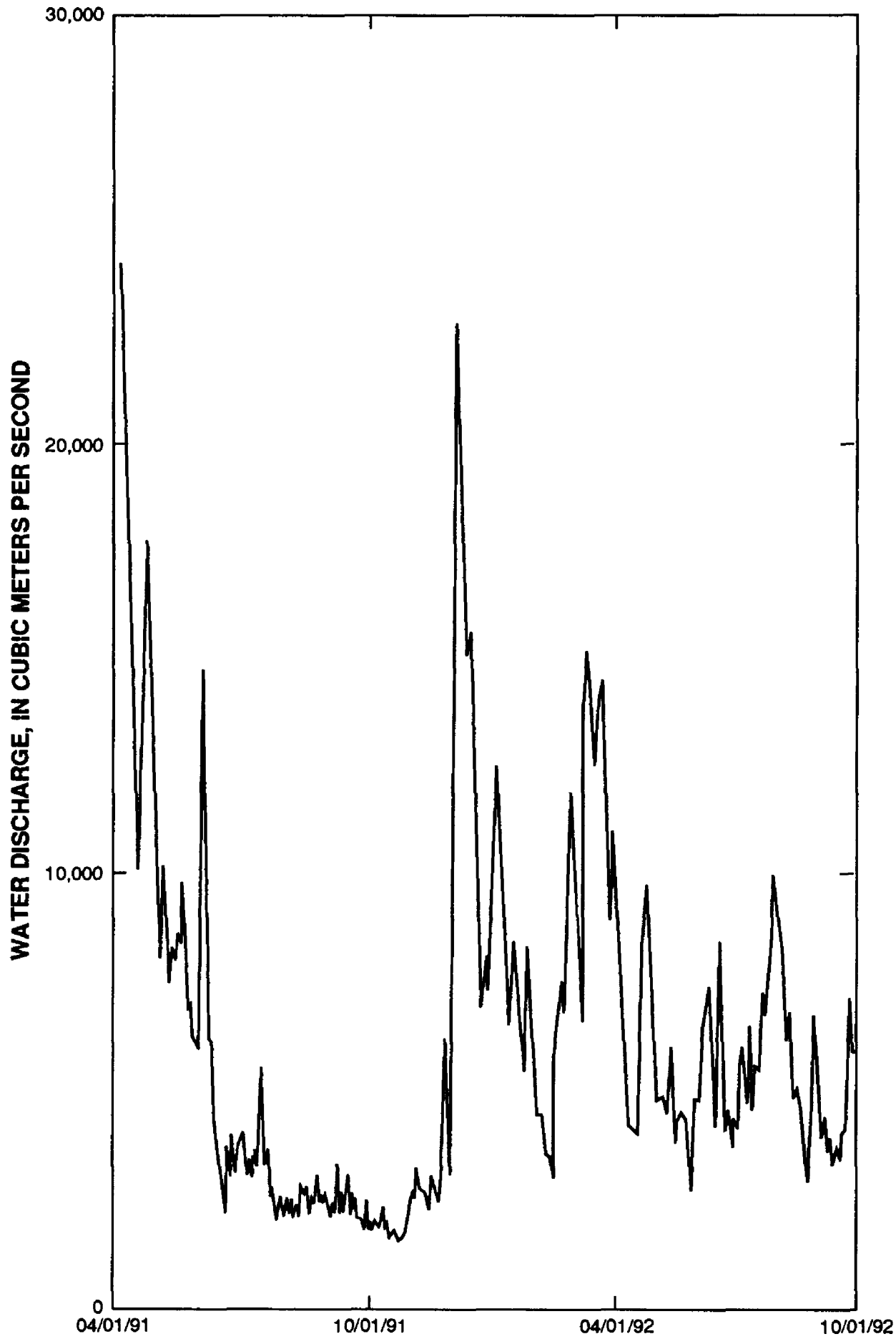

Figure 12.--Water-discharge hydrograph for the Ohio River at Metropolis, Ill.

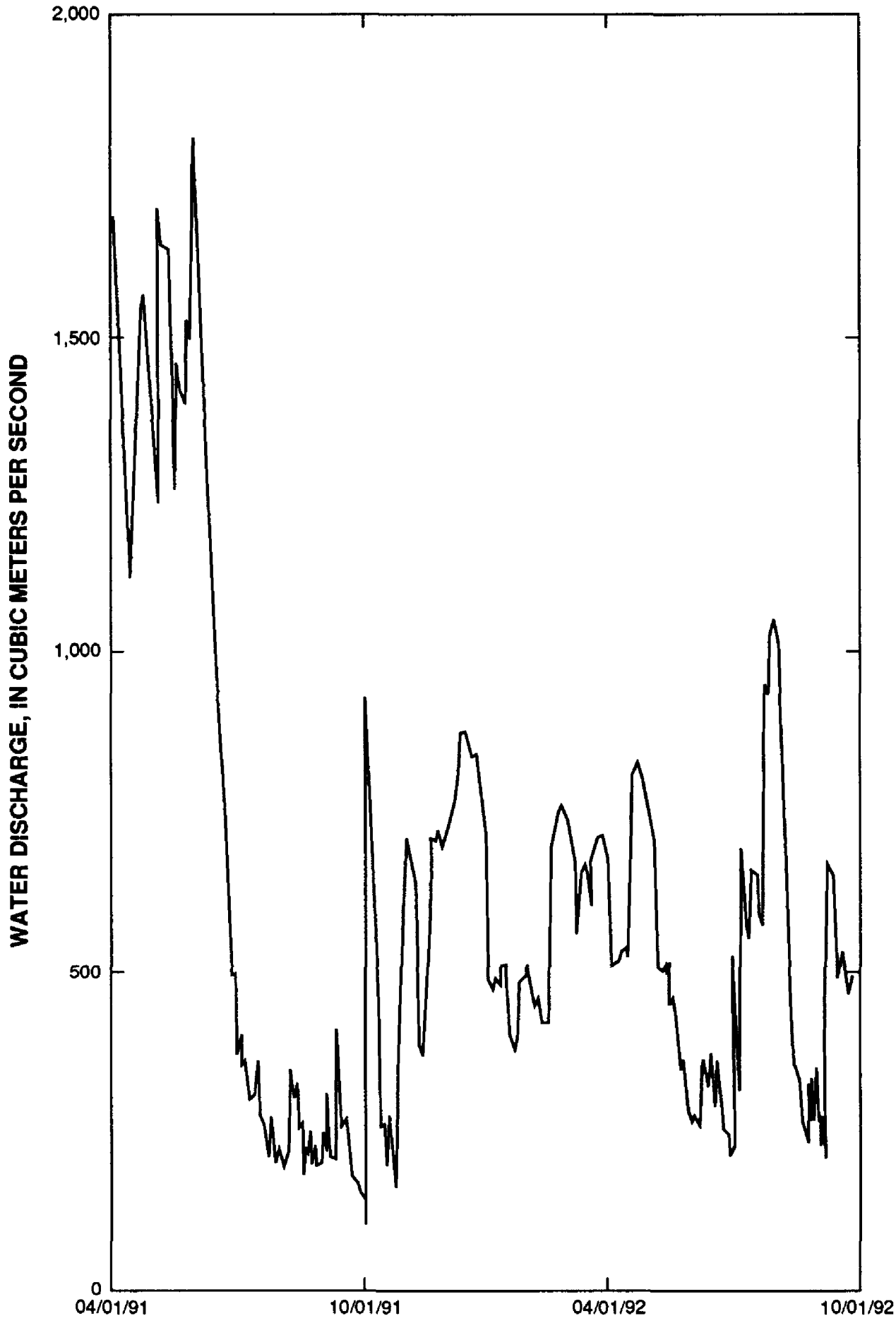

Figure 13.--Water-discharge hydrograph for the Illinois River at Valley City, Ill.

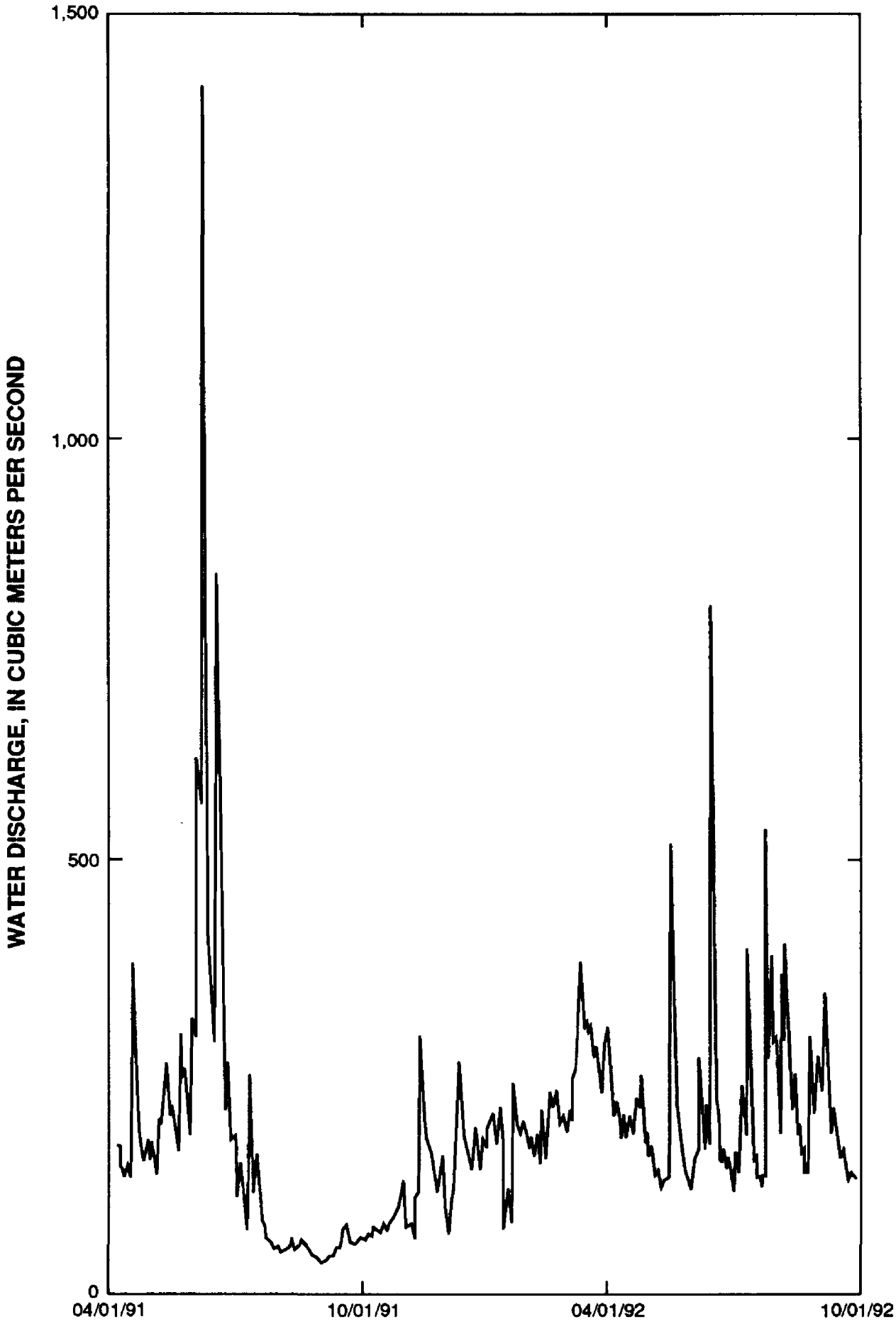

Figure 14.--Water-discharge hydrograph for the Platte River at Louisville, Nebr.

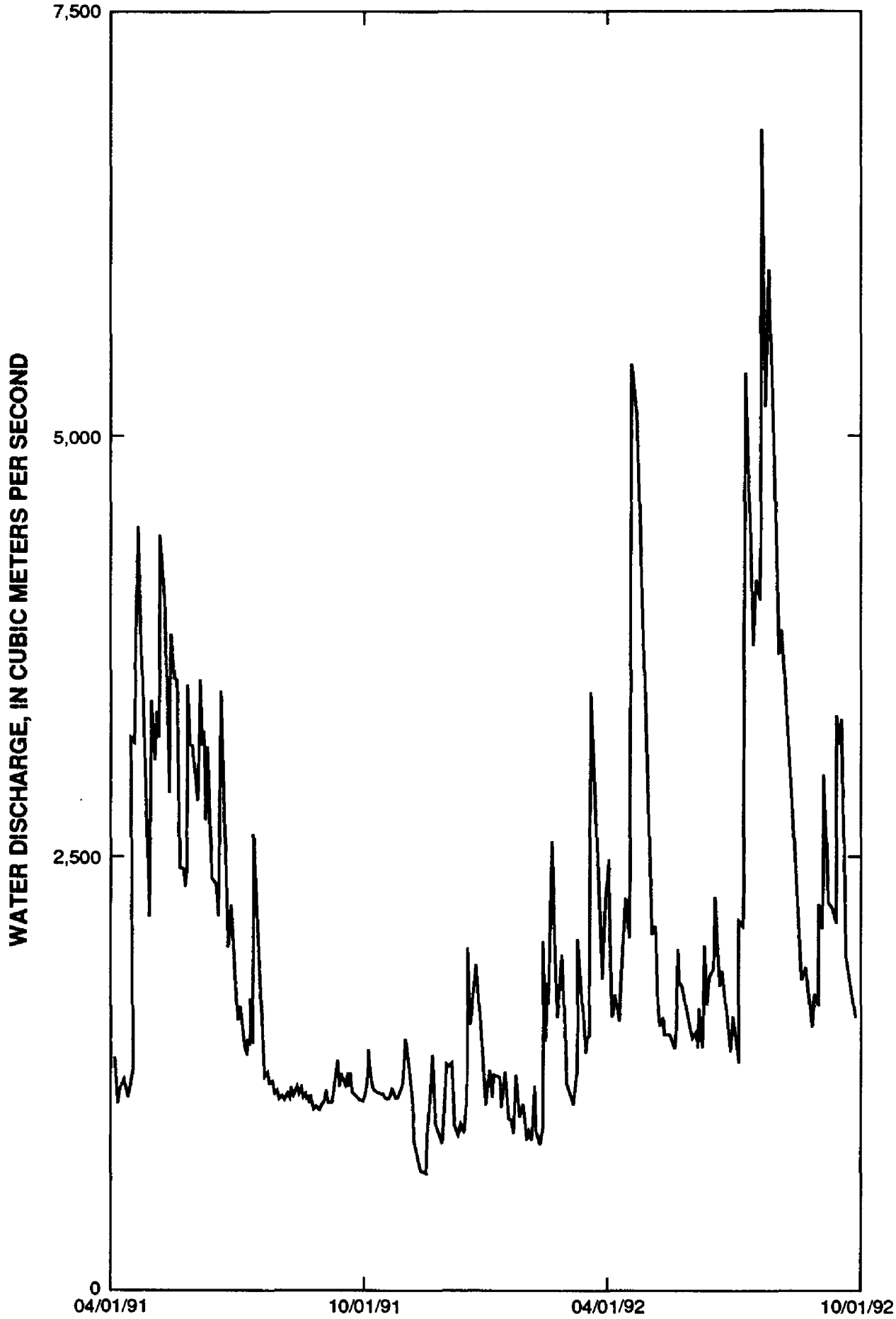

Figure 15.--Water-discharge hydrograph for the Missouri River at Hermann, Mo.

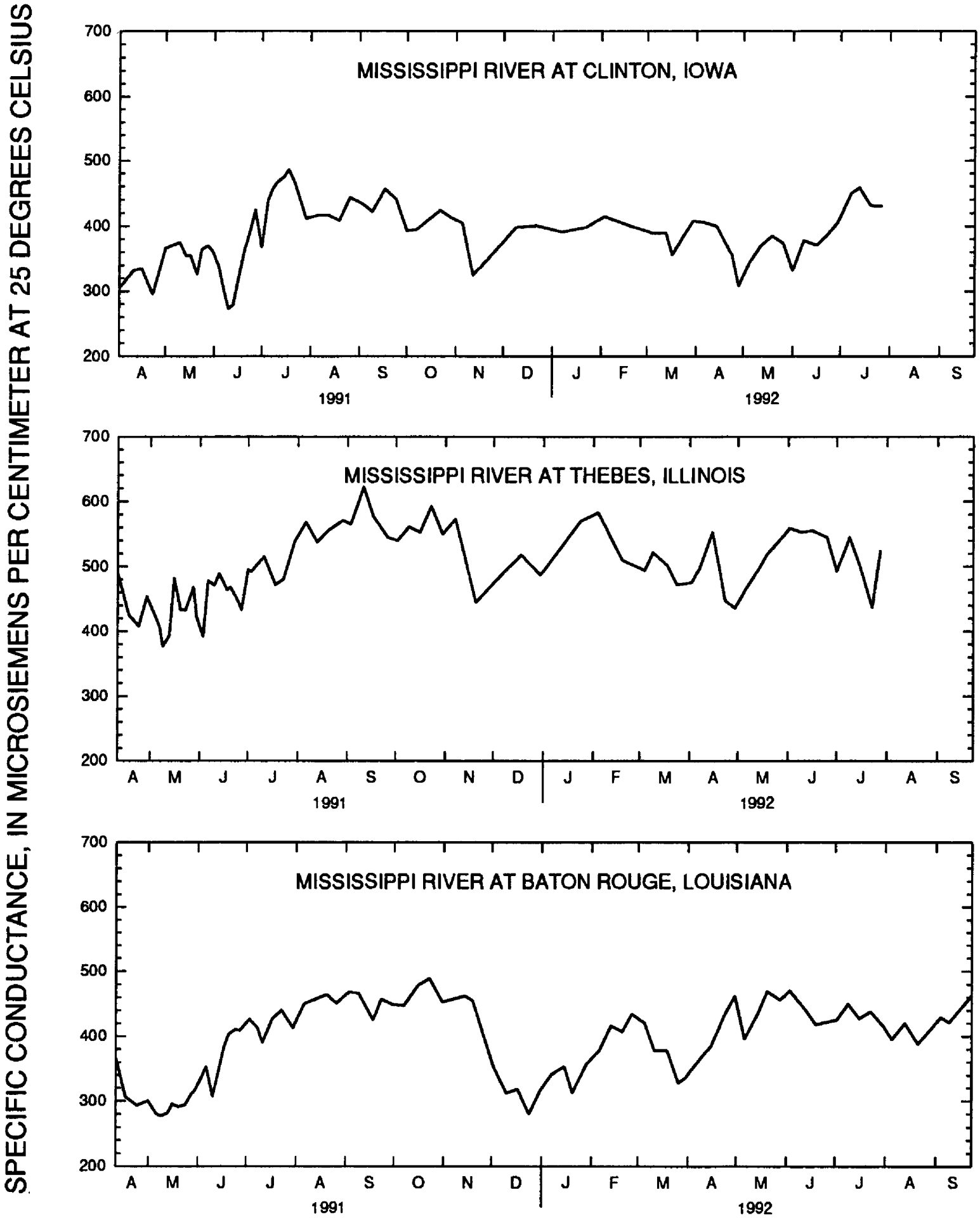

Figure 16.--Specific conductance at three Mississippi River sampling sites.

QUALITY-ASSURANCE PROCEDURES AND RESULTS

Quality-assurance procedures for this study had two components: field quality assurance implemented by study personnel and the NWQL's internal quality-assurance program. Field quality-assurance procedures included the submission of field-equipment blanks, blind spikes, and split samples to be analyzed for the constituents of interest. Laboratory quality-assurance procedures included the determination of surrogate compound recoveries in each sample, laboratory reagent-water blank, laboratory reagent-water spikes, and an assessment of the instrument system. A summary of the quality-assurance procedures, blanks, spikes, and splits for April, May, and June 1991 is given by Goolsby and others (1991a).

Field Quality-Assurance Procedures

Before collection of each sample, all sampling equipment was washed with a phosphate-free laboratory detergent, rinsed with tap water and distilled or deionized water, rinsed with a small amount of methanol, and allowed to air dry. At the sampling site, all equipment (collection container, compositing container, cone splitter, pump mechanism, and filter) was rinsed with water from the stream. Glass-fiber filters and glass sample containers were baked at about 350°C to remove organic material.

A field-equipment blank for pesticides was obtained with about every tenth sample. The blank consists of organic-free water that was processed through all of the sampling and filtration equipment. The blank is analyzed for all pesticides of interest. There were no pesticides detected above the reporting limits in any of the 40 field-equipment blanks analyzed by SPE100mL. Of the 28 field-equipment blanks analyzed by SPE1L, only one had a concentration above the reporting limit. This blank was processed on June 18, 1991, and had an atrazine concentration of 0.013 µg/L and a metolachlor concentration of 0.007 µg/L. In this instance, the concentrations probably were caused by laboratory processing of the blank following the processing of an ambient sample with high pesticide concentrations (M.W. Sandstrom, U.S. Geological Survey, National Water Quality Laboratory, Arvada, Colo., oral commun., 1992). Sample-collection and processing procedures used in the field were periodically reviewed for conformance with protocols established for the study.

Nine samples were analyzed by both SPE methods and by the LLE method for comparison purposes. The results are summarized in table 5.

A total of 12 blind-spike samples (spiked-reagent water sent to the NWQL disguised as a routine sample) were sent to the NWQL during May, June, and July 1991 to be analyzed by SPE100mL. The spiked concentration, the concentration determined by the NWQL, and the percent recovery [(NWQL concentration/spiked concentration) × 100] are shown in table 6 for atrazine, alachlor, cyanazine, metolachlor, metribuzin, simazine, and desethylatrazine.

For quality-assurance purposes, monthly samples were collected from the Mississippi River near St. Francisville, La., using the depth-integrating and compositing procedures outlined earlier in this report.

These samples can be compared with those collected from the Mississippi River at Baton Rouge, where the samples are collected at the end of a 46-m pier extending out into the Mississippi River. St. Francisville is about 56 km upstream from the Baton Rouge site. These data are shown in table 7.

On July 23, 1991, five samples were collected at equally spaced intervals across the Mississippi River at Baton Rouge (starting at 1316 hours near the left bank and ending at 1320 hours near the right bank) concurrently with the sample collected from the end of the pier (1315 hours). These samples were collected to verify that the river water is well mixed both laterally and vertically at this site. These data are shown in table 7.

Table 5.--Results of spiit samples analyzed by the two soiid-phase extraction methods and the liquid-liquid extraction method

[All results in micrograms per liter; SPE100mL, solid-phase extraction 100 milliliter; SPE1L, solid-phase extraction 1 liter; LLE, liquid-liquid extraction; <, less than]

Date	Method	Aiachior	Atrazine	Cyanazine	Metolachlor	Simazine
		Iiiinois River at Vaiiey City, iiiinois				
5/22/91	SPE100mL[1]	0.92	3.4	2.9	2.1	0.05
	SPE1L	1.9	8.7	6.6	4.6	0.13
	LLE[2]	1.3	7.0	6.0	3.0	0.1
6/14/91	SPE100mL	0.54	3.8	2.0	1.4	0.12
	SPE1L	0.54	4.1	2.3	1.5	0.12
	LLE	0.6	4.3	2.6	1.5	0.16
6/24/91	SPE100mL	0.17	2.4	1.4	0.63	0.09
	SPE1L	0.21	2.7	1.2	0.78	0.09
	LLE[2]	0.18	2.8	2.0	0.63	0.10
7/11/91	SPE100mL	0.05	0.70	0.3	0.12	0.06
	SPE1L	0.05	0.75	0.24	0.17	0.07
	LLE[1,2]	<0.1	0.34	0.2	0.1	0.02
		Piatte River at Louisviiie, Nebraska				
5/21/91	SPE100mL[1]	3.6	8.3	6.8	3.1	<0.05
	SPE1L	6.5	16.9	9.0	5.2	0.08
	LLE[2]	3.3	12.8	7.6	3.3	0.06
5/29/91	SPE100mL	1.4	6.5	1.7	2.2	0.07
	SPE1L	0.77	4.2	0.79	1.4	0.04
	LLE[2]	1.1	8.1	1.2	1.6	0.07
6/4/91	SPE100mL	1.7	5.7	3.7	1.9	0.06
	SPE1L	2.1	11.0	13.0	2.6	0.10
	LLE[2]	1.6	9.0	8.7	1.5	0.09
6/7/91	SPE100mL	3.2	10.0	7.3	2.0	0.06
	SPE1L	3.7	13.9	20.3	2.4	0.10
	LLE	3.9	13.2	10.9	1.8	0.1
7/8/91	SPE100mL	<0.05	0.77	0.4	0.08	<0.05
	SPE1L	0.04	1.2	0.47	0.16	0.02
	LLE[2]	0.03	0.74	0.6	0.12	0.02

[1]Sample had a low surrogate recovery.
[2]Values below reporting limits given in table 1 are estimates.

Table 6.--Results of blind spike samples analyzed by solid-phase extraction 100-milliliter method

[All concentrations (conc.) in micrograms per liter]

Atrazine			Alachlor			Cyanazine			Metolachlor			Metribuzin			Simazine			Desethylatrazine		
Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery	Spike conc.	Conc.	Percent recovery
0.5	0.43	86	0.5	0.48	96	0.5	0.50	100	0.5	0.50	100	0.5	0.4	80	0.5	0.34	68	0.5	0.32	64
0.5	0.28	56	0.5	0.25	50	0.5	0.30	60	0.5	0.24	48	0.5	0.3	60	0.5	0.24	48	0.5	0.24	48
0.5	0.47	94	0.5	0.51	102	0.5	0.60	120	0.5	0.49	98	0.5	0.5	100	0.5	0.39	78	0.5	0.45	90
0.5	0.45	90	0.5	0.51	102	0.5	0.60	120	0.5	0.49	98	0.5	0.49	98	0.5	0.39	78	0.5	0.45	90
2.0	1.5	75	1.0	0.89	89	1.0	1.1	110	2.0	1.8	90	1.0	0.9	90	1.0	0.72	72	1.0	0.70	70
2.0	1.6	80	1.0	0.92	92	1.0	1.1	110	2.0	1.8	90	1.0	0.9	90	1.0	0.75	75	1.0	0.77	77
2.0	1.7	85	1.0	0.88	88	1.0	1.2	120	2.0	1.8	90	1.0	0.9	90	1.0	0.83	83	1.0	0.78	78
2.0	1.9	95	1.0	0.91	91	1.0	1.2	120	2.0	1.8	90	1.0	1.0	100	1.0	0.92	92	1.0	0.76	76
1.0	0.73	73	1.0	0.08	8	1.0	0.30	30	1.0	0.23	23	1.0	<.05	0	1.0	0.07	7	1.0	0.15	15
1.0	0.70	70	1.0	0.78	78	1.0	0.80	80	1.0	0.82	82	1.0	0.7	70	1.0	0.60	60	1.0	0.39	39
1.0	0.74	74	1.0	0.90	90	1.0	0.80	80	1.0	0.96	96	1.0	0.8	80	1.0	0.59	59	1.0	0.53	53
1.0	0.64	64	1.0	0.67	67	1.0	0.70	70	1.0	0.67	67	1.0	0.6	60	1.0	0.59	59	1.0	0.63	63
4.0	3.8	95	2.0	2.0	100	2.0	2.3	115	4.0	4.0	100	2.0	2.0	100	2.0	1.8	90	2.0	1.5	75
4.0	3.1	78	2.0	1.6	80	2.0	1.7	85	4.0	3.2	80	2.0	1.6	80	2.0	1.4	70	2.0	1.2	60
4.0	3.3	82	2.0	1.9	95	2.0	2.0	100	4.0	3.9	98	2.0	1.9	95	2.0	1.5	75	2.0	1.3	65
4.0	3.0	75	2.0	1.6	80	2.0	1.6	80	4.0	3.3	82	2.0	1.5	75	2.0	1.3	65	2.0	0.84	42

Laboratory Quality-Assurance Procedures

The routine quality-assurance procedures used in the NWQL included the analysis of laboratory reagent blanks (LRB), determination of surrogate compound recoveries in each sample, blank and laboratory-spiked samples, and the assessment of the instrument system. These procedures are discussed below.

Before processing any samples, the analyst determined if there were any glassware or reagent interferences. Each time a set of samples was extracted or the reagents were changed, an LRB was analyzed. If the LRB produced a peak that would prevent the determination of a compound, the source of contamination was determined and eliminated.

A surrogate was added to each sample to monitor for extraction efficiency. When the surrogate recovery from a sample or blank was determined to be low according to accepted statistical methods of establishing control limits, the following were checked: (1) Calculations to locate possible errors, (2) spiking solutions for degradation, (3) possibility of contamination, and (4) instrument performance. If those checks did not reveal the cause of the contamination, the extract was reanalyzed. If a blank extract reanalysis failed the control-limit criteria, the problem was corrected before continuing. If sample extract reanalysis met the surrogate recovery criteria, the data were reported. If the sample extract continued to fail the recovery criteria, project personnel were notified.

At least one laboratory spiked sample, per sample set, was analyzed for the pesticides of interest (all samples extracted within a 24-hour period). Laboratory-spike recovery data for the principal pesticides detected in this study are shown in figures 17 and 18. The distribution of percent recovery values are shown in box plots.

If the recovery value of any compound fell outside the control-limit criteria, the source of the problem was identified and resolved before continuing analyses. Initially, because the method was new, the control-limit criteria for the SPE100mL method were set at 30-percent recovery. The current control limits were established after 1991 and are shown in figure 17. These criteria represent the minimum and maximum percent recoveries acceptable for a given analysis. Control-limit criteria for the SPE1L method had not been established at the date of this report (January 1993).

Instrument performance was checked daily. First, a calibration check was done on the mass spectrometer to ensure there were no air leaks in the system and to ensure that the system was tuned to the correct ion mass range. Prior to the analysis of each sample set and every 10 samples thereafter, a standard solution (or solutions) was analyzed containing the target compounds and evaluated to ensure system performance complied with established criteria.

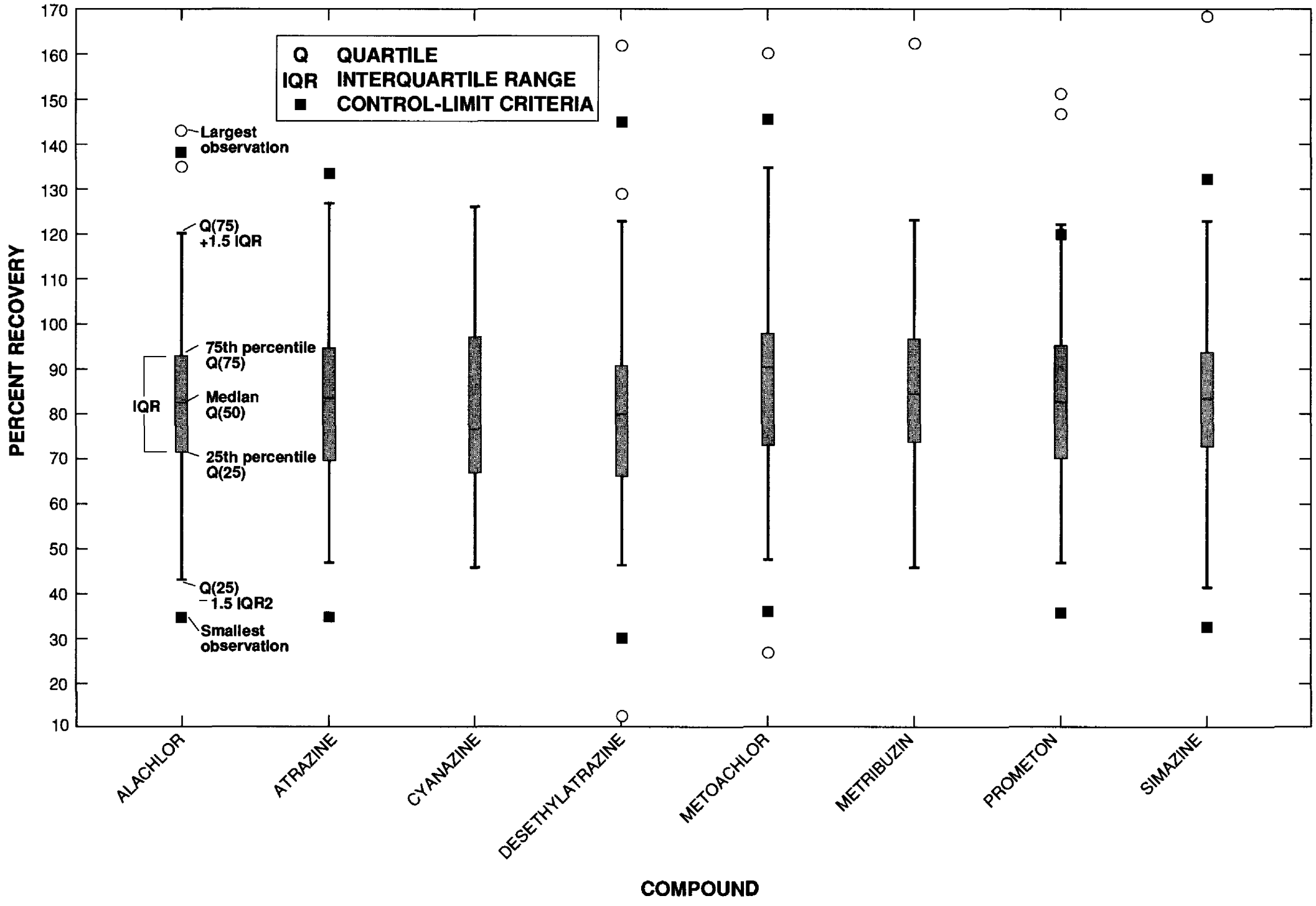

Figure 17.--Box plots showing percent recoveries of laboratory spikes of alachlor, atrazine, cyanazine, desethylatrazine, metolachlor, metribuzin, prometon, and simazine for solid-phase extraction 100-milliliter method.

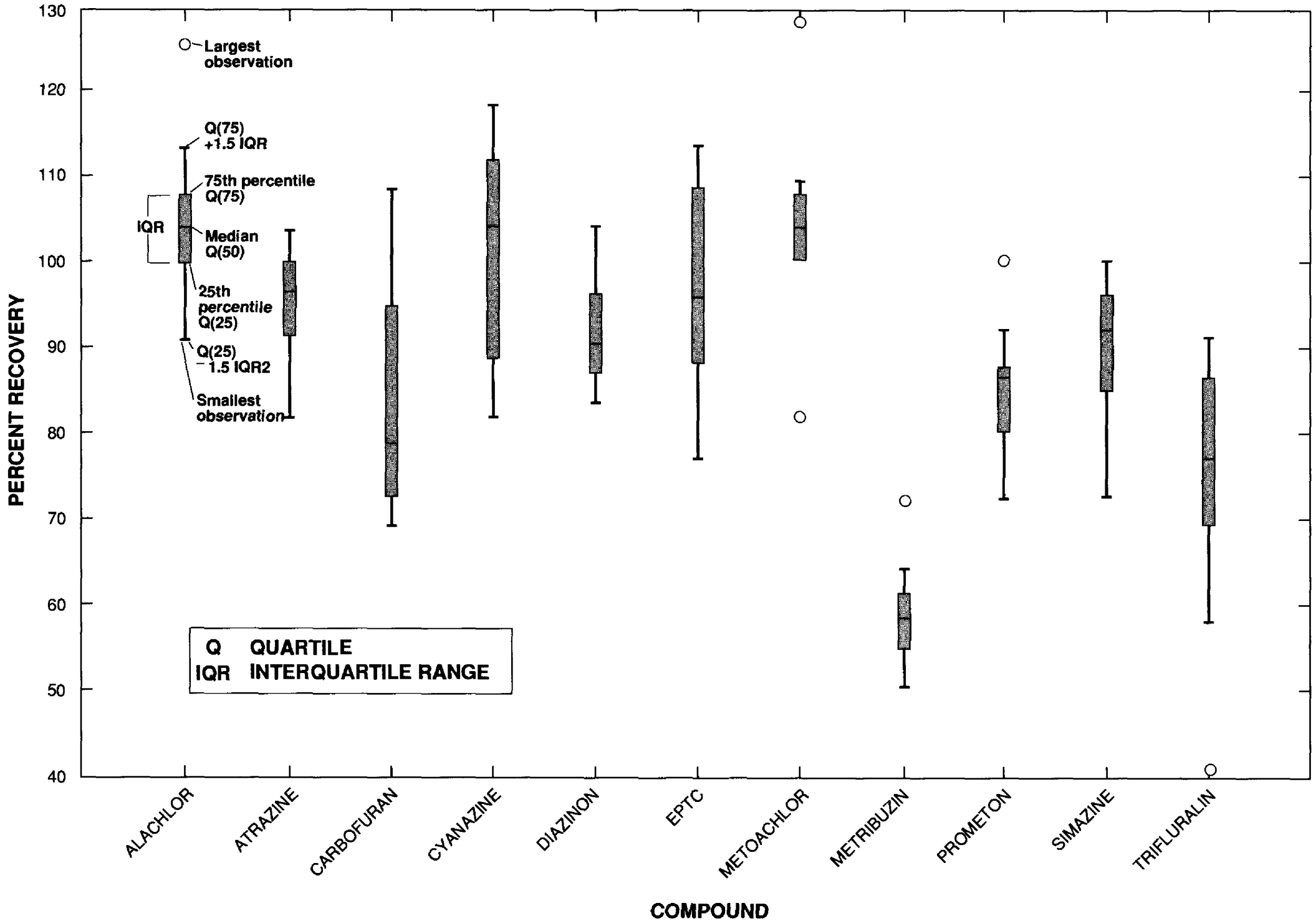

Figure 18.--Box plots showing percent recoveries of laboratory spikes of alachlor, atrazine, carbofuran, cyanazine, diazinon, EPTC, metolachlor, metribuzin, prometon, simazine, and trifluralin for solid-phase extraction 1-liter method.

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(page 39 follows)

DATA SECTION

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method

[µg/L, micrograms per liter; <, less than; diss, dissolved; --, no data]

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn disa (µg/L)	Atra-zina diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-strazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa													
APRIL 1991													
02	1040	<0.05	<0.05	0.18	<0.20	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
11	1100	<0.05	<0.05	0.15	<0.20	0.14	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
16	1150	<0.05	<0.05	0.17	<0.20	0.11	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
23	1030	<0.05	<0.05	0.17	<0.20	0.18	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
01	1150	0.06	<0.05	0.15	<0.20	0.06	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
07	1115	<0.05	<0.05	0.17	<0.20	0.15	<0.05	0.05	<0.05	<0.05	0.17	<0.05	<0.05
10	1030	<0.05	<0.05	0.13	<0.20	0.14	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
14	1120	0.09	<0.05	0.16	<0.20	0.17	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
17	1045	0.06	<0.05	0.12	<0.20	0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
21	1140	0.24	<0.05	0.37	<0.20	0.14	<0.05	0.25	<0.05	<0.05	0.09	<0.05	0.06
24	1205	0.19	<0.05	0.22	0.20	0.09	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	<0.05
28	1210	0.23	<0.05	0.41	0.30	0.08	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
31	1015	0.11	<0.05	0.29	<0.20	0.08	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	0.05
JUNE													
04	1300	0.48	<0.05	0.78	0.30	0.09	<0.05	0.36	<0.05	<0.05	<0.05	<0.05	0.11
07	1100	0.24	<0.05	0.50	0.30	0.08	<0.05	0.26	<0.05	<0.05	<0.05	<0.05	<0.05
10	1130	0.14	<0.05	0.37	0.20	0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
13	1410	0.14	<0.05	0.35	0.30	0.07	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
17	1040	0.78	<0.05	1.6	0.94	0.12	<0.05	0.56	<0.05	<0.05	<0.05	<0.05	0.06
20	1345	0.85	<0.05	1.6	0.82	0.23	<0.05	0.72	<0.05	<0.05	0.05	<0.05	0.06
24	1055	0.48	<0.05	0.73	0.78	0.14	<0.05	0.66	<0.05	<0.05	<0.05	<0.05	0.05
27	0915	0.54	<0.05	0.66	1.2	0.11	<0.05	0.87	<0.05	<0.05	<0.05	<0.05	<0.05
JULY													
01	1025	0.28	<0.05	0.40	0.80	0.11	<0.05	0.54	<0.05	<0.05	<0.05	<0.05	<0.05
05	1205	0.40	<0.05	0.39	0.50	0.10	<0.05	0.32	<0.05	<0.05	<0.05	<0.05	<0.05
08	1130	0.18	<0.05	0.38	0.60	0.11	<0.05	0.39	<0.05	<0.05	<0.05	<0.05	<0.05
11	1300	0.08	<0.05	0.33	0.40	0.06	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05
15	1025	0.10	<0.05	0.44	0.50	0.12	0.10	0.21	0.11	<0.05	0.13	<0.05	<0.05
18	1200	0.17	<0.05	0.73	0.80	0.15	<0.05	0.39	<0.05	<0.05	<0.05	<0.05	<0.05
22	1050	--	--	--	--	--	--	--	--	--	--	--	--
29	1230	<0.05	<0.05	0.32	0.30	0.08	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST													
06	1240	<0.05	<0.05	0.17	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12	1125	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
19	1145	<0.05	<0.05	0.09	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
26	1205	<0.05	<0.05	0.18	<0.20	0.10	<0.05	0.08	0.06	<0.05	<0.05	<0.05	<0.05
SEPTEMBER													
03	1200	--	--	--	--	--	--	--	--	--	--	--	--
09	1500	<0.05	<0.05	0.08	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	1215	<0.05	<0.05	0.14	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1215	<0.05	<0.05	0.10	<0.20	0.06	<0.10	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCTOBER 1991													
01	1200	<0.05	<0.05	0.13	<0.20	0.09	0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
07	1230	<0.05	<0.05	0.12	<0.20	0.09	<0.10	0.08	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa--Continned													
OCTOBER 1991 (cont.)													
15	1300	<0.05	<0.05	0.10	<0.20	0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1230	<0.05	<0.05	0.11	<0.20	0.10	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	1330	<0.05	<0.05	0.13	<0.20	0.10	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NOVEMBER													
05	1245	<0.05	<0.05	0.11	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12	1255	<0.05	<0.05	0.10	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
26	1320	<0.05	<0.05	0.08	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
09	1200	<0.05	<0.05	0.07	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1330	<0.05	<0.05	0.10	<0.20	0.11	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
JANUARY 1992													
07	1210	<0.05	<0.05	0.06	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1340	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
03	1245	<0.05	<0.05	0.06	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
20	1230	<0.05	<0.05	0.09	<0.20	0.09	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
04	1100	<0.05	<0.05	0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
13	1200	<0.05	<0.05	0.09	<0.20	0.10	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	1400	<0.05	<0.05	0.08	<0.20	0.09	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1125	<0.05	<0.05	0.08	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
30	1155	<0.05	<0.05	0.07	<0.20	0.07	<0.10	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL													
06	1215	<0.05	<0.05	0.06	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
14	1130	<0.05	<0.05	0.07	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1145	<0.05	<0.05	0.10	<0.20	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
28	1145	<0.05	<0.05	0.08	<0.20	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
05	1115	<0.05	<0.05	0.05	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12	1130	<0.05	<0.05	0.07	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
19	1130	<0.05	<0.05	0.06	<0.20	0.06	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
26	1215	0.10	0.05	0.19	0.20	0.07	0.05	0.07	0.05	0.05	0.05	0.05	0.11
JUNE													
01	1200	0.06	<0.05	0.21	<0.20	0.09	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
08	1235	0.08	<0.05	0.91	0.40	0.13	<0.05	0.28	0.06	<0.05	<0.05	<0.05	<0.05
16	1130	<0.05	<0.05	0.10	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1230	0.06	<0.05	0.16	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
29	1300	0.08	<0.05	0.16	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
JULY 1992													
08	0815	<0.05	<0.05	0.21	0.20	0.06	<0.10	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
13	1225	0.18	<0.05	0.51	0.40	0.13	0.13	0.31	<0.05	<0.05	<0.05	<0.05	<0.05
20	1145	0.15	<0.05	0.56	0.60	0.17	0.15	0.26	<0.05	<0.05	<0.05	<0.05	<0.05
27	1215	0.07	<0.05	0.36	0.40	0.11	0.08	0.17	<0.05	<0.05	<0.05	<0.05	<0.05
05586100 - Illinois River at Valley City													
APRIL 1991													
05	1230	<0.05	<0.05	0.18	<0.20	0.14	<0.05	0.15	<0.05	<0.05	0.10	<0.05	0.06
17	1330	0.62	<0.05	2.4	1.3	0.16	<0.05	1.5	0.06	<0.05	<0.05	<0.05	<0.05
26	1000	0.14	<0.05	0.96	0.69	0.15	<0.05	0.92	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-etrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
05586100 - Illinois River at Valley City--Continned													
MAY													
03	1545	0.28	<0.05	0.95	1.1	0.13	<0.05	0.86	<0.05	<0.05	<0.05	<0.05	<0.05
08	1245	2.0	<0.05	5.0	5.6	0.37	<0.05	2.6	0.11	<0.05	<0.05	<0.05	0.06
10	1100	3.0	<0.05	6.3	2.9	0.54	<0.05	4.4	0.20	<0.05	0.09	<0.05	0.14
17	1145	0.84	<0.05	2.5	2.5	0.20	<0.05	2.0	<0.05	<0.05	<0.05	<0.05	<0.05
19	1115	1.6	<0.05	5.5	6.6	0.67	<0.05	1.6	0.12	<0.05	<0.05	<0.05	0.07
22	1715	0.92	<0.05	3.4	2.9	0.33	<0.05	2.1	0.08	<0.05	<0.05	<0.05	0.05
29	1130	--	--	--	--	--	--	--	--	--	--	--	--
31	1045	0.97	<0.05	4.9	2.5	0.60	<0.05	2.0	0.09	<0.05	<0.05	<0.05	0.07
JUNE													
04	1215	0.85	<0.05	4.6	2.7	0.48	<0.05	2.1	0.08	<0.05	<0.05	<0.05	0.09
06	1200	1.0	<0.05	5.2	2.0	0.36	<0.05	2.3	0.08	<0.05	<0.05	<0.05	0.09
11	1345	0.84	<0.05	4.7	1.8	0.60	<0.05	2.0	<0.05	<0.05	0.06	<0.05	0.14
14	1200	0.54	<0.05	3.8	2.0	0.41	<0.05	1.4	<0.05	<0.05	<0.05	<0.05	0.12
18	1130	0.36	<0.05	2.1	0.90	0.21	<0.05	0.78	<0.05	<0.05	<0.05	<0.05	0.07
20	1130	0.34	<0.05	2.8	1.4	0.35	<0.05	0.83	<0.05	<0.05	0.05	<0.05	0.12
24	1130	0.17	<0.05	2.4	1.4	0.31	<0.05	0.63	<0.05	<0.05	<0.05	<0.05	0.09
27	1100	0.21	<0.05	1.9	0.80	0.25	<0.05	0.55	<0.05	<0.05	0.05	<0.05	0.07
JULY													
01	0930	0.08	<0.05	0.70	0.20	0.13	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	0.05
03	1100	0.64	<0.05	0.52	0.60	0.39	<0.05	0.71	0.44	<0.05	<0.05	0.05	0.48
09	1000	<0.05	<0.05	0.55	0.20	0.08	<0.05	0.11	<0.05	<0.05	0.05	<0.05	<0.05
11	1045	<0.05	<0.05	0.70	0.30	0.10	<0.05	0.12	<0.05	<0.05	0.06	<0.05	0.06
18	1115	<0.05	<0.05	0.46	0.20	0.11	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	0.05
25	1340	<0.05	<0.05	0.18	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05
31	1100	<0.05	<0.05	0.31	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05
AUGUST													
06	1015	<0.05	<0.05	0.29	<0.20	0.10	<0.05	0.07	<0.05	<0.05	0.08	<0.05	0.05
13	1200	<0.05	<0.05	0.35	<0.20	0.15	<0.05	0.12	<0.05	<0.05	0.11	<0.05	0.05
21	1230	<0.05	<0.05	0.10	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
28	1015	<0.05	<0.05	0.10	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05
SEPTEMBER 1991													
03	1050	<0.05	<0.05	0.07	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	<0.05	<0.05
10	1200	<0.05	<0.05	0.16	<0.20	0.06	<0.10	<0.05	<0.05	<0.05	0.08	<0.05	<0.05
17	1100	<0.05	<0.05	0.15	<0.20	0.07	<0.10	<0.05	<0.05	<0.05	0.07	<0.05	0.05
24	1100	<0.05	<0.05	0.10	<0.20	0.05	<0.10	<0.05	<0.05	<0.05	0.06	<0.05	<0.05
OCTOBER													
01	1130	<0.05	<0.05	0.13	0.07	0.08	0.10	<0.05	<0.05	<0.05	0.19	<0.05	0.05
08	1330	<0.05	<0.05	0.30	<0.20	0.12	<0.10	0.27	<0.05	<0.05	0.05	<0.05	0.05
15	1215	<0.05	<0.05	0.11	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1130	<0.05	<0.05	0.09	<0.20	0.06	<0.10	<0.05	<0.05	<0.05	0.07	<0.05	0.05
NOVEMBER													
05	1140	0.08	<0.05	0.22	<0.20	0.11	<0.05	0.14	<0.05	<0.05	0.10	<0.05	<0.05
15	1130	<0.05	<0.05	0.20	<0.20	0.09	<0.05	0.15	<0.05	<0.05	0.06	<0.05	<0.05
DECEMBER													
03	1030	<0.05	<0.05	0.26	<0.20	0.13	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05
18	1200	<0.05	<0.05	0.15	<0.20	0.09	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
05586100 - Illinois River at Valley City--Continued													
JANUARY 1992													
02	1330	<0.10	<0.10	0.18	<0.20	0.12	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10
15	1645	<0.05	<0.05	0.16	<0.20	0.08	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
30	1345	<0.05	<0.05	0.17	<0.20	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
12	1200	<0.05	<0.05	0.13	<0.20	0.09	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
28	1245	<0.05	<0.05	0.15	<0.20	0.09	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
03	1100	<0.05	<0.05	0.14	<0.20	0.09	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
10	1015	<0.05	<0.05	0.12	<0.20	0.09	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
17	1050	<0.05	<0.05	0.16	<0.20	0.09	<0.05	0.14	<0.05	<0.05	0.08	<0.05	<0.05
25	1045	<0.05	<0.05	0.22	<0.20	0.09	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05
06805500 - Platte River at Louisville, Nebr.													
APRIL 1991													
09	1250	0.10	<0.05	0.25	<0.20	0.12	<0.05	0.10	0.19	<0.05	<0.05	<0.05	<0.05
16	1030	<0.05	<0.05	0.37	<0.20	0.07	0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
24	1030	<0.05	<0.05	0.06	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	1000	0.14	<0.05	0.66	<0.20	0.06	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
06	1115	0.27	<0.05	1.3	0.38	0.18	0.15	0.47	<0.05	<0.05	0.11	<0.05	<0.05
09	0940	0.14	<0.05	0.81	0.20	0.06	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	0.09
13	1110	0.20	<0.05	0.87	<0.20	0.17	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
16	1130	0.17	<0.05	0.35	0.40	0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
21	0945	3.6	<0.05	8.3	6.8	0.29	0.16	3.1	<0.05	<0.05	<0.05	<0.05	<0.05
24	0740	0.51	<0.05	2.4	1.4	0.12	<0.05	0.70	<0.05	<0.05	<0.05	<0.05	<0.05
29	1015	1.4	<0.05	6.5	1.7	0.56	0.21	2.2	<0.05	<0.05	<0.05	<0.05	0.07
31	0735	2.1	<0.05	6.8	7.0	0.48	<0.05	2.6	0.09	<0.05	<0.05	<0.05	0.06
JUNE 1991													
04	0800	1.7	<0.05	5.7	3.7	0.44	0.21	1.9	<0.05	<0.05	0.06	<0.05	0.06
07	1415	3.2	<0.05	10	7.3	0.48	0.26	2.0	0.12	<0.05	<0.05	0.08	0.06
11	1045	0.80	<0.05	5.4	2.0	0.29	<0.05	1.3	0.10	<0.05	<0.05	<0.05	<0.05
14	0750	0.99	<0.05	4.7	1.9	0.49	0.18	1.4	0.28	<0.05	<0.05	<0.05	0.05
18	0935	0.59	<0.05	3.4	3.2	0.34	<0.05	0.80	0.08	<0.05	<0.05	<0.05	<0.05
21	1020	0.15	<0.05	1.9	1.3	0.23	<0.05	0.34	<0.05	<0.05	<0.05	<0.05	<0.05
24	1110	0.23	<0.05	1.8	0.70	0.19	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	<0.05
27	1020	0.10	<0.05	1.4	0.90	0.19	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
JULY													
01	0950	0.06	<0.05	0.63	0.30	0.13	<0.05	0.11	0.13	<0.05	0.05	<0.05	<0.05
03	0950	0.09	<0.05	0.95	0.73	0.16	0.14	0.22	<0.05	<0.05	<0.05	<0.05	<0.05
08	1100	<0.05	<0.05	0.77	0.40	0.10	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
11	1020	0.25	<0.05	2.6	0.40	0.24	<0.05	0.43	<0.05	<0.05	<0.05	<0.05	<0.05
15	0950	<0.05	<0.05	1.2	0.20	0.18	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05
25	1000	<0.05	<0.05	0.42	<0.20	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	0940	<0.05	<0.05	0.44	<0.20	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST													
06	1130	<0.05	<0.05	0.22	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12	1115	<0.05	<0.05	0.30	<0.20	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
20	1000	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
27	0940	<0.05	0.09	0.34	<0.20	0.11	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
06805500 - Platte River at Louisville, Nebr.--Continued													
SEPTEMBER													
03	0950	<0.05	<0.05	0.17	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10	1030	<0.05	<0.05	0.21	<0.20	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	1115	<0.05	<0.05	0.19	<0.20	0.07	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1135	<0.05	<0.05	0.14	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCTOBER													
01	1115	0.05	0.11	0.22	0.10	0.10	0.06	0.06	0.11	0.11	0.15	<0.05	0.06
08	1030	<0.05	<0.05	0.15	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
15	1130	<0.05	<0.05	0.14	<0.20	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1200	<0.05	<0.05	0.34	0.50	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06
NOVEMBER													
05	1200	<0.05	<0.05	0.25	<0.20	0.07	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
19	1140	<0.05	<0.05	0.62	1.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
05	1130	--	--	--	--	--	--	--	--	--	--	--	--
20	1000	<0.05	<0.05	0.14	<0.20	0.10	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
30	1020	<0.10	<0.10	<0.10	<0.20	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
JANUARY 1992													
14	1000	<0.05	<0.05	0.10	<0.20	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
28	1000	<0.05	<0.05	0.11	<0.20	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY 1992													
11	1030	<0.05	<0.05	0.10	<0.20	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
27	1000	<0.05	<0.05	0.08	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
05	1010	<0.05	<0.05	0.15	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
09	0945	<0.05	<0.05	0.11	<0.20	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	1145	<0.05	<0.05	0.13	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	1040	<0.05	<0.05	0.10	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
31	1110	<0.05	<0.05	0.10	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL													
07	1100	<0.05	<0.05	0.13	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
14	1010	<0.05	<0.05	0.12	<0.20	0.06	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
23	1020	0.05	<0.05	0.14	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
29	1030	<0.05	<0.05	0.12	<0.20	0.06	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
07	1100	0.08	<0.05	0.22	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	0.19
6934500 - Missouri River at Hermann, Missouri													
APRIL 1991													
09	1331	0.07	<0.05	0.37	<0.20	0.15	0.11	0.15	<0.05	<0.05	0.08	<0.05	<0.05
16	1030	0.21	<0.05	1.2	0.60	<0.05	<0.05	0.38	<0.05	<0.05	<0.05	<0.05	<0.05
24	1200	0.11	<0.05	1.1	0.45	0.06	<0.05	0.53	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
01	1130	0.26	<0.05	1.6	0.70	0.11	0.08	0.79	<0.05	<0.05	<0.05	<0.05	<0.05
06	1100	0.33	<0.05	2.6	1.5	0.22	0.10	1.0	<0.05	<0.05	<0.05	<0.05	<0.05
09	0930	0.47	<0.05	3.2	0.80	0.27	0.20	0.77	0.18	<0.05	<0.05	<0.05	0.09
13	1000	0.18	<0.05	1.9	0.60	0.23	0.18	0.55	<0.05	<0.05	<0.05	<0.05	0.07
16	1020	0.17	<0.05	1.8	0.50	0.18	<0.05	0.43	<0.05	<0.05	<0.05	<0.05	<0.05
20	1000	0.19	<0.05	1.7	0.70	0.13	<0.05	0.48	<0.05	<0.05	<0.05	<0.05	<0.05
24	1000	0.68	<0.05	2.7	2.1	0.10	<0.05	1.4	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazina diss (µg/L)	Desiao-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
6934500 - Missouri River at Hermann, Missouri--Continned													
MAY (cont.)													
28	1030	0.57	<0.05	2.9	1.6	0.24	<0.05	1.3	0.09	<0.05	<0.05	<0.05	<0.05
31	1040	0.42	<0.05	3.2	2.0	0.17	<0.05	1.1	0.08	<0.05	<0.05	<0.05	<0.05
JUNE													
03	1000	0.27	<0.05	3.1	1.6	0.29	<0.05	0.80	<0.05	<0.05	<0.05	<0.05	<0.05
06	1000	0.57	<0.05	5.4	2.0	0.24	0.14	1.7	0.09	<0.05	<0.05	<0.05	<0.05
11	1000	0.41	<0.05	5.7	4.3	0.48	0.25	1.4	0.17	<0.05	0.06	0.06	0.08
13	1000	0.92	<0.05	5.7	4.7	0.52	0.16	1.7	0.12	<0.05	<0.05	<0.05	0.06
21	1000	0.43	<0.05	5.5	1.8	0.35	0.18	2.0	0.13	<0.05	<0.05	<0.05	<0.05
25	1130	0.23	<0.05	3.9	2.1	0.39	<0.05	1.7	0.12	<0.05	<0.05	<0.05	<0.05
27	1045	0.29	<0.05	3.5	0.60	0.29	0.28	0.93	0.19	<0.05	0.09	0.05	0.07
JULY 1992													
01	1100	0.14	<0.05	1.2	0.32	0.16	0.13	0.35	0.13	<0.05	0.05	<0.05	<0.05
03	1000	0.08	<0.05	1.1	0.30	0.14	0.10	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
08	1030	0.05	<0.05	0.74	0.20	0.12	0.09	0.18	<0.05	<0.05	<0.05	<0.05	<0.05
11	1000	<0.05	<0.05	0.59	<0.20	0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
15	1030	<0.05	<0.05	1.3	<0.20	0.11	<0.05	0.27	0.13	<0.05	<0.05	<0.05	<0.05
22	1015	<0.05	<0.05	1.0	0.30	0.19	0.11	0.19	0.12	<0.05	0.14	<0.05	<0.05
29	1100	<0.05	<0.05	0.52	<0.20	0.10	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST													
05	1000	<0.05	<0.05	0.23	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
13	1100	<0.05	<0.05	0.14	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
19	1000	<0.05	<0.05	0.22	<0.20	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
27	1100	<0.05	<0.05	0.30	<0.20	0.12	0.09	0.12	<0.05	0.07	0.14	<0.05	<0.05
SEPTEMBER													
05	1030	<0.05	<0.05	0.16	<0.20	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
09	1000	<0.05	<0.05	0.09	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	1000	0.05	<0.05	0.14	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
23	0945	<0.05	<0.05	0.14	<0.20	<0.05	<0.10	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
OCTOBER													
01	1030	<0.05	<0.05	0.18	<0.20	0.06	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
07	1000	<0.05	<0.05	0.15	<0.20	0.07	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
15	1100	<0.05	<0.05	0.14	<0.20	0.06	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
21	1000	<0.05	<0.05	0.42	<0.20	0.08	<0.10	0.29	<0.05	<0.05	<0.05	<0.05	<0.05
29	1000	<0.05	<0.05	0.18	<0.20	0.09	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
NOVEMBER													
04	1030	<0.05	<0.05	0.16	<0.20	0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
21	1030	<0.05	<0.05	0.18	<0.20	0.05	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
06	1240	<0.05	<0.05	0.13	<0.20	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
16	1130	<0.05	<0.05	0.21	<0.20	0.05	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
JANUARY 1992													
02	1030	<0.05	<0.05	0.14	<0.20	0.06	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
16	1200	<0.10	<0.10	0.30	<0.20	<0.10	<0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10
28	1300	<0.05	<0.05	0.21	<0.20	0.06	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
10	1000	<0.05	<0.05	0.12	<0.20	0.07	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
24	1200	<0.05	<0.05	0.18	<0.20	0.09	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
6934500 - Missouri River at Hermann, Missouri--Continued													
MARCH													
03	1100	<0.05	<0.05	0.21	<0.20	0.09	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
12	1200	<0.05	<0.05	0.29	<0.20	0.11	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05
20	0830	<0.05	<0.05	0.23	<0.20	0.07	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
26	1130	<0.05	<0.05	0.34	<0.20	0.10	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL 1992													
01	1000	<0.05	<0.05	0.22	<0.20	0.06	<0.10	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
06	1230	<0.05	<0.05	0.26	<0.20	0.07	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
14	1030	0.07	<0.05	0.54	0.20	<0.05	<0.05	0.28	<0.05	<0.05	<0.05	<0.05	<0.05
21	1300	0.07	<0.05	0.94	0.50	0.08	<0.05	0.40	<0.05	<0.05	<0.05	<0.05	<0.05
29	1015	0.14	<0.05	1.4	0.70	0.13	<0.05	0.60	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
12	1000	<0.05	<0.05	0.29	<0.20	0.06	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05
21	1200	<0.05	<0.05	0.33	0.20	0.06	0.07	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
26	1130	0.98	<0.05	5.6	5.2	0.31	0.30	2.6	0.08	<0.05	<0.05	0.05	0.11
JUNE													
01	1330	0.37	<0.05	3.1	0.80	0.25	0.15	1.2	0.06	<0.05	<0.05	<0.05	0.10
09	1030	<0.05	<0.05	0.17	<0.20	0.09	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
15	1230	0.19	<0.05	1.2	0.40	0.17	0.12	0.45	0.09	<0.05	<0.05	<0.05	<0.05
22	0945	0.13	<0.05	1.4	0.40	0.25	0.15	0.38	0.08	<0.05	<0.05	<0.05	0.05
30	1130	0.10	<0.05	1.7	<0.20	0.23	0.17	0.53	0.11	<0.05	<0.05	<0.05	<0.05
JULY 1992													
07	0930	<0.05	<0.05	0.90	0.20	0.17	0.10	0.18	0.07	<0.05	<0.05	<0.05	<0.05
14	1200	0.16	<0.05	1.8	0.50	0.31	0.16	0.43	0.06	<0.05	<0.05	<0.05	0.05
21	1030	0.24	<0.05	3.4	0.70	0.73	0.34	0.79	0.08	<0.05	<0.05	<0.05	0.06
28	1230	0.07	<0.05	1.3	<0.20	0.40	0.19	0.30	0.06	<0.05	<0.05	<0.05	<0.05
07022000 - Mississippi River at Thebes, Ill.													
APRIL 1991													
11	1500	0.31	<0.05	0.64	<0.20	0.37	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
18	1130	--	--	--	--	--	--	--	--	--	--	--	--
24	0930	0.21	<0.05	1.0	0.52	0.10	<0.05	0.52	<0.05	<0.05	<0.05	<0.05	<0.05
29	1230	0.12	<0.05	0.63	0.40	0.11	<0.05	0.31	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
07	1345	0.58	<0.05	3.2	3.1	0.28	<0.05	1.1	0.09	<0.05	<0.05	<0.05	<0.05
09	0900	0.34	<0.05	1.7	1.4	0.17	<0.05	0.58	0.09	<0.05	<0.05	<0.05	<0.05
13	1330	0.63	<0.05	3.6	1.6	0.34	0.18	1.1	0.17	<0.05	<0.05	<0.05	0.10
16	1200	0.31	<0.05	1.3	1.0	0.15	<0.05	0.69	<0.05	<0.05	<0.05	<0.05	<0.05
20	1430	0.13	<0.05	0.80	0.50	0.11	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	<0.05
23	0916	0.59	<0.05	2.4	2.3	0.30	<0.05	0.75	0.08	<0.05	<0.05	<0.05	<0.05
28	1300	0.65	<0.05	2.4	2.8	0.26	<0.05	1.4	<0.05	<0.05	<0.05	<0.05	<0.05
30	1330	0.77	<0.05	3.0	2.5	0.39	<0.05	1.7	0.08	<0.05	<0.05	<0.05	<0.05
JUNE 1991													
03	1345	0.46	<0.05	2.0	1.3	0.14	<0.05	1.2	<0.05	<0.05	<0.05	<0.05	<0.05
06	1045	0.39	<0.05	2.5	1.3	0.15	<0.05	1.1	<0.05	<0.05	<0.05	<0.05	<0.05
10	1400	0.86	<0.05	4.2	1.8	0.40	<0.05	1.9	<0.05	<0.05	<0.05	<0.05	<0.05
13	1500	0.84	<0.05	3.9	2.3	0.39	<0.05	2.2	<0.05	<0.05	<0.05	<0.05	<0.05
18	1430	0.39	<0.05	2.2	1.4	0.15	<0.05	1.1	<0.05	<0.05	<0.05	<0.05	<0.05
20	1100	0.19	<0.05	1.2	0.50	0.08	<0.05	0.58	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued													
JUNE 1991 (cont.)													
24	1300	0.36	<0.05	3.2	1.8	0.29	<0.05	1.4	0.08	<0.05	<0.05	<0.05	0.05
27	1400	0.85	<0.05	3.3	0.60	0.37	0.34	1.8	0.18	<0.05	0.09	0.05	0.08
JULY													
01	1320	0.38	<0.05	1.3	0.59	0.20	<0.05	0.78	0.16	<0.05	<0.05	<0.05	0.05
03	0950	0.29	<0.05	1.1	0.50	0.18	<0.05	0.72	0.1	<0.05	<0.05	<0.05	<0.05
08	1330	0.21	<0.05	1.0	0.50	0.16	<0.05	0.66	<0.05	<0.05	<0.05	<0.05	0.05
11	1400	0.19	<0.05	0.97	0.60	0.10	<0.05	0.70	<0.05	<0.05	<0.05	<0.05	<0.05
18	0930	0.32	<0.05	1.0	0.40	0.19	0.16	0.35	0.1	<0.05	0.13	<0.05	0.05
23	1300	0.18	<0.05	0.88	<0.20	<0.05	<0.05	0.32	<0.05	<0.05	<0.05	<0.05	<0.05
30	1000	0.13	<0.05	0.75	0.40	0.15	<0.05	0.31	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST													
06	1300	<0.05	<0.05	0.26	<0.20	0.06	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
13	0930	0.05	<0.05	0.55	<0.20	<0.05	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05
20	1330	<0.05	<0.05	0.34	0.20	0.11	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05
29	1100	0.05	<0.05	0.39	<0.20	0.13	0.12	0.12	<0.05	<0.05	0.14	<0.05	<0.05
SEPTEMBER													
03	1500	0.06	<0.05	0.38	<0.20	0.14	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05
11	1000	<0.05	<0.05	0.21	<0.20	0.06	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
17	1400	<0.05	<0.05	0.25	0.30	0.09	<0.10	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
26	0930	<0.05	<0.05	0.41	1.2	0.08	<0.10	0.23	<0.05	<0.05	<0.05	<0.05	<0.05
OCTOBER													
02	1300	0.05	<0.05	0.20	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.03
09	1030	<0.05	<0.05	0.13	<0.20	0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	1430	<0.05	<0.05	0.20	<0.20	0.09	<0.10	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	0945	0.05	<0.05	0.18	<0.20	0.08	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
30	1400	0.11	<0.05	0.25	<0.20	0.10	<0.05	0.12	<0.05	0.07	<0.05	<0.05	<0.05
NOVEMBER													
07	0800	0.10	<0.05	0.20	<0.20	0.09	<0.05	0.11	<0.05	<0.05	0.06	<0.05	0.05
20	1030	0.10	<0.05	0.22	<0.20	0.10	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
05	1045	0.07	<0.05	0.14	<0.20	0.07	<0.10	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
18	1100	0.07	<0.05	0.14	<0.20	0.08	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
30	1400	0.08	<0.05	0.24	<0.20	0.13	<0.10	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
JANUARY 1992													
24	0930	<0.05	<0.05	0.24	<0.20	0.09	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
04	1030	0.07	<0.05	0.15	<0.20	0.08	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
19	0930	<0.05	<0.05	0.12	<0.20	0.09	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
04	0945	<0.05	<0.05	0.16	<0.20	0.09	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
09	1300	<0.05	<0.05	0.17	<0.20	0.08	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
18	0945	0.06	<0.05	0.20	<0.20	0.11	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
24	1330	<0.05	<0.05	0.20	<0.20	0.07	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL													
02	0930	<0.05	<0.05	0.26	<0.20	0.09	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
07	1330	<0.05	<0.05	0.26	<0.20	0.09	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
15	1030	<0.05	<0.05	0.28	<0.20	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Alachlor diss (µg/L)	Ametryn diss (µg/L)	Atrazine diss (µg/L)	Cyanazine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Prometryn diss (µg/L)	Prometon diss (µg/L)	Propazine diss (µg/L)	Simazine diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued													
APRIL (cont.)													
23	1330	0.18	<0.05	1.3	0.90	0.11	<0.05	0.46	0.08	<0.05	<0.05	<0.05	0.07
29	1100	0.10	<0.05	0.76	<0.20	0.09	<0.05	0.31	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
06	1300	0.07	<0.05	0.41	0.20	0.07	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05
14	0930	0.05	<0.05	0.22	<0.20	0.08	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	<0.05
19	1300	0.05	<0.05	0.22	<0.20	0.06	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
28	0900	0.15	<0.05	0.75	0.20	0.12	<0.10	0.17	<0.05	<0.05	<0.05	<0.05	0.13
JUNE													
02	1300	0.41	<0.05	2.5	0.90	0.25	0.12	0.86	<0.05	<0.05	<0.05	<0.05	0.11
09	0930	0.17	<0.05	1.2	0.30	0.17	0.10	0.37	<0.05	<0.05	<0.05	<0.05	0.08
16	1330	0.07	<0.05	0.43	0.20	0.10	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	0.06
25	1000	0.08	<0.05	0.94	0.30	0.17	0.13	0.23	0.09	<0.05	<0.05	<0.05	<0.05
JULY													
01	1300	0.13	<0.05	1.9	1.3	0.30	0.21	0.44	0.1	<0.05	<0.05	<0.05	<0.05
09	0915	0.08	<0.05	1.0	0.40	0.23	0.16	0.23	<0.05	<0.05	<0.05	<0.05	0.07
15	1230	0.08	<0.05	0.95	0.40	0.21	0.14	0.23	<0.05	<0.05	<0.05	<0.05	0.06
23	1000	0.19	<0.05	2.6	1.0	0.60	0.34	0.63	0.07	<0.05	<0.05	<0.05	0.07
28	1300	0.17	<0.05	1.3	<0.20	0.38	0.25	0.52	0.18	<0.05	<0.05	<0.05	0.05
03374100 - White River at Hazleton, Ind.													
MAY 1991													
01	1000	<0.05	<0.05	0.26	<0.20	0.06	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05
06	1115	<0.05	<0.05	0.35	<0.20	0.06	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	0.07
09	1215	<0.05	<0.05	0.42	0.20	0.07	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	0.06
13	1300	0.68	<0.05	3.7	0.70	0.30	<0.05	1.1	0.18	<0.05	0.10	<0.05	0.33
16	1130	0.08	<0.05	0.91	0.60	0.10	<0.05	0.35	<0.05	<0.05	<0.05	<0.05	0.12
20	1045	0.25	<0.05	1.4	0.70	0.13	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	0.14
23	1100	1.3	<0.05	3.4	1.4	0.37	<0.05	1.5	0.11	<0.05	0.12	<0.05	0.30
28	1100	3.2	<0.05	8.6	4.4	0.84	<0.05	2.2	0.27	<0.05	0.14	0.06	0.51
30	1200	2.1	<0.05	9.2	2.8	1.0	<0.05	3.3	0.25	<0.05	0.07	<0.05	0.72
JUNE													
03	1200	0.88	<0.05	8.2	2.1	0.94	<0.05	2.8	0.16	<0.05	<0.05	<0.05	0.58
06	1145	1.3	<0.05	5.1	1.3	0.51	<0.05	2.0	0.16	<0.05	0.06	<0.05	0.38
10	1200	1.2	<0.05	5.5	2.0	0.78	<0.05	2.2	0.20	<0.05	<0.05	<0.05	0.70
13	1100	0.96	<0.05	5.8	1.6	0.80	<0.05	1.9	0.11	<0.05	<0.05	<0.05	0.45
18	1200	0.30	<0.05	3.2	0.87	0.44	<0.05	0.89	0.14	<0.05	0.06	<0.05	0.17
20	1130	0.19	<0.05	2.6	0.50	0.25	<0.05	0.85	<0.05	<0.05	0.12	<0.05	0.10
24	1215	0.27	<0.05	2.7	0.60	0.29	<0.05	0.98	<0.05	<0.05	0.13	<0.05	0.16
27	1130	0.08	<0.05	2.0	0.50	0.31	<0.05	0.54	<0.05	<0.05	0.06	<0.05	0.12
JULY													
01	1145	<0.05	<0.05	1.3	0.30	0.18	<0.05	0.29	<0.05	<0.05	0.07	<0.05	0.07
03	1100	0.08	<0.05	1.3	0.30	0.24	<0.05	0.40	<0.05	<0.05	0.06	<0.05	0.10
08	1200	0.05	<0.05	0.99	0.20	0.20	<0.05	0.30	<0.05	<0.05	0.07	<0.05	0.08
11	1130	<0.05	<0.05	1.4	0.30	0.24	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	0.68
15	1200	0.08	<0.05	1.8	0.20	0.29	0.25	0.83	0.11	<0.05	<0.05	<0.05	0.16
18	1300	0.06	<0.05	1.2	0.20	0.26	0.23	0.41	0.12	<0.05	0.20	<0.05	0.10
22	1300	<0.05	<0.05	0.92	0.20	0.17	<0.05	0.22	<0.05	<0.05	0.07	<0.05	0.06
25	1200	<0.05	<0.05	0.58	<0.20	0.10	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
30	1145	0.05	<0.05	0.61	<0.20	0.16	<0.05	0.17	0.07	<0.05	0.08	<0.05	<0.05

Table 7.–Pesticide resuits from solid-phase extraction 100-milliliter method–Continued

Date	Time	Alachlor diss (µg/L)	Ametryn diss (µg/L)	Atrazine diss (µg/L)	Cyanazine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Prometryn diss (µg/L)	Prometon diss (µg/L)	Propazine diss (µg/L)	Simazine diss (µg/L)
03374100 - White River at Hazleton, Ind.–Continued													
AUGUST													
01	1145	<0.05	<0.05	0.66	0.20	0.18	<0.05	0.12	<0.05	<0.05	0.06	<0.05	0.06
06	1200	<0.05	<0.05	0.26	<0.20	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
08	1300	<0.05	<0.05	0.22	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12	1100	<0.05	<0.05	0.29	<0.20	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
15	1200	<0.05	<0.05	0.39	<0.20	0.14	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	0.05
19	1115	<0.05	<0.05	0.29	<0.20	0.09	<0.05	0.05	<0.05	<0.05	0.06	<0.05	<0.05
22	1230	<0.05	<0.05	0.38	<0.20	0.12	<0.05	0.07	<0.05	<0.05	0.09	<0.05	<0.05
26	1245	<0.05	0.07	0.41	<0.20	0.14	0.11	0.07	<0.05	<0.05	0.17	<0.05	0.05
29	1200	<0.05	<0.05	0.36	<0.20	0.13	0.12	0.07	<0.05	<0.05	0.19	<0.05	<0.05
SEPTEMBER													
09	1100	<0.05	<0.05	0.41	<0.20	0.16	0.10	0.13	<0.05	<0.05	0.06	<0.05	<0.05
12	1100	<0.05	<0.05	0.33	<0.20	0.10	<0.10	0.09	<0.05	<0.05	0.06	<0.05	<0.05
19	1130	<0.05	<0.05	0.30	<0.20	0.12	<0.10	0.08	<0.05	<0.05	0.10	<0.05	0.06
26	1200	<0.05	<0.05	0.30	<0.20	0.12	<0.10	0.08	<0.05	<0.05	0.08	<0.05	0.05
OCTOBER 1991													
03	1000	<0.05	<0.05	0.35	<0.20	0.12	0.12	0.06	<0.05	<0.05	0.16	<0.05	0.06
08	1100	<0.05	<0.05	0.23	<0.20	0.09	<0.10	0.06	<0.05	<0.05	0.06	<0.05	0.05
17	1100	<0.05	<0.05	0.24	<0.20	0.11	<0.10	<0.05	<0.05	<0.05	0.06	<0.05	0.06
24	1100	<0.05	<0.05	0.22	<0.20	0.12	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
28	1130	<0.05	<0.05	0.19	<0.20	0.11	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
30	1130	0.05	<0.05	0.32	<0.20	0.12	0.11	0.21	<0.05	<0.05	0.07	<0.05	0.08
NOVEMBER													
04	1130	<0.05	<0.05	0.56	<0.20	0.16	<0.10	0.14	<0.05	<0.05	<0.07	<0.05	<0.07
13	1025	<0.05	<0.05	0.29	<0.20	0.10	<0.05	0.08	<0.05	<0.05	0.09	<0.05	0.06
27	1200	<0.05	<0.05	0.45	<0.20	0.17	<0.05	0.15	<0.05	<0.05	0.08	<0.05	0.07
DECEMBER													
18	1200	<0.05	<0.05	0.42	<0.20	0.20	0.09	0.10	<0.05	<0.05	0.05	<0.05	0.06
JANUARY 1992													
02	1200	<0.05	<0.05	0.24	<0.20	0.13	<0.05	0.09	<0.05	<0.05	0.07	<0.05	0.06
16	1235	<0.05	<0.05	0.30	<0.20	0.14	0.06	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
30	1243	<0.05	<0.05	0.26	<0.20	0.13	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
13	1240	<0.05	<0.05	0.25	<0.20	0.14	0.06	0.08	<0.05	<0.05	0.08	<0.05	0.06
27	1200	<0.05	<0.05	0.25	<0.20	0.13	<0.05	0.10	<0.05	<0.05	0.09	<0.05	0.09
MARCH													
05	1130	<0.05	<0.05	0.20	<0.20	0.10	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	0.05
12	1115	<0.05	<0.05	0.18	<0.20	0.11	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.07
19	1133	<0.05	<0.05	0.17	<0.20	0.11	0.06	0.07	<0.05	<0.05	0.08	<0.05	0.11
26	1128	<0.05	<0.05	0.18	<0.20	0.10	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	0.09
APRIL													
02	1135	<0.05	<0.05	0.36	<0.20	0.12	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	0.07
09	1102	<0.05	<0.05	0.26	<0.20	0.10	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	0.12
16	1112	0.39	<0.05	1.2	<0.20	0.13	0.05	0.26	<0.05	<0.05	<0.05	<0.05	0.38
20	1030	0.09	<0.05	1.0	0.30	0.17	0.05	0.57	<0.05	<0.05	<0.05	<0.05	0.19
24	1035	0.25	<0.05	1.4	0.40	0.20	<0.05	1.7	0.22	<0.05	0.05	<0.05	0.17
29	1100	0.11	<0.05	0.80	<0.20	0.16	<0.05	0.69	0.10	<0.05	<0.05	<0.05	0.12

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
03374100 - White River at Hazleton, Ind.--Continued													
MAY													
06	1115	0.08	<0.05	0.80	<0.20	0.18	<0.05	0.66	0.10	<0.05	<0.05	<0.05	0.12
12	1130	0.06	<0.05	0.53	<0.20	0.12	<0.05	0.44	<0.05	<0.05	0.05	<0.05	0.10
20	1130	0.17	<0.05	1.4	<0.20	0.18	<0.05	0.76	0.10	<0.05	0.06	<0.05	0.20
27	1100	0.19	<0.05	2.2	0.40	0.27	0.12	0.46	<0.05	<0.05	<0.05	<0.05	0.24
JUNE 1992													
04	1115	0.51	<0.05	2.4	0.60	0.34	<0.10	1.3	0.10	<0.05	0.05	<0.05	0.22
10	1115	0.16	<0.05	2.0	<0.20	0.36	0.20	0.66	<0.05	<0.05	<0.05	<0.05	0.16
19	1100	0.09	<0.05	1.3	0.40	0.25	<0.10	0.48	<0.05	<0.05	<0.05	<0.05	0.19
23	1130	0.63	<0.05	2.9	0.70	0.55	0.42	2.1	0.20	<0.05	0.10	<0.05	0.16
25	1115	1.8	<0.05	11	3.3	1.1	0.82	4.9	0.38	<0.05	0.09	0.07	0.42
29	1115	0.90	<0.05	6.4	1.4	0.96	0.72	2.0	0.24	<0.05	0.09	0.05	0.33
JULY													
02	1215	0.61	<0.05	4.8	1.0	0.97	0.63	1.5	0.12	<0.05	0.12	0.05	0.24
10	1130	0.49	<0.05	3.6	0.80	0.83	0.54	1.4	0.20	<0.05	0.20	<0.05	0.42
16	1130	0.30	<0.05	2.1	0.40	0.62	0.45	0.86	0.08	<0.05	0.11	<0.05	0.24
23	1145	0.28	<0.05	2.4	0.60	0.87	0.51	0.92	0.08	<0.05	0.08	<0.05	0.20
31	1045	0.14	<0.05	1.4	0.40	0.67	0.39	0.62	0.06	<0.05	0.06	<0.05	0.15
AUGUST													
06	1100	0.14	<0.05	1.1	0.20	0.54	0.34	0.47	0.05	<0.05	0.07	<0.05	0.11
12	1100	0.10	<0.05	0.72	<0.20	0.33	0.23	0.22	<0.05	<0.05	<0.05	<0.05	0.11
20	1145	0.06	<0.05	0.64	<0.20	0.29	0.21	0.24	<0.05	<0.05	<0.05	<0.05	0.12
26	1130	<0.05	<0.05	0.63	<0.20	0.27	0.20	0.18	<0.05	<0.05	<0.05	<0.05	0.08
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.													
APRIL 1991													
10	1200	<0.05	<0.05	0.12	<0.20	0.10	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.06
18	1045	<0.05	<0.05	0.15	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	1110	<0.05	<0.05	0.51	0.21	<0.05	<0.05	0.32	<0.05	<0.05	<0.05	<0.05	0.07
MAY													
01	1040	<0.05	<0.05	0.18	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
07	1022	<0.05	<0.05	0.23	<0.20	0.10	<0.05	0.12	<0.05	<0.05	0.09	<0.05	0.08
14	1045	<0.05	<0.05	0.47	<0.20	0.19	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	0.16
21	1045	0.11	<0.05	1.7	0.40	0.17	<0.05	0.39	<0.05	<0.05	<0.05	<0.05	0.40
29	1030	0.05	<0.05	0.54	0.20	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	0.05
JUNE													
04	1135	0.24	<0.05	1.6	0.50	0.16	<0.05	0.35	0.06	<0.05	<0.05	<0.05	0.12
11	1045	0.33	<0.05	1.9	0.50	0.11	<0.05	0.72	<0.05	<0.05	<0.05	<0.05	0.07
18	1040	0.40	<0.05	2.1	0.70	0.21	<0.05	0.95	0.11	<0.05	<0.05	<0.05	0.12
25	0946	0.13	<0.05	1.3	0.40	0.15	<0.05	0.42	<0.05	<0.05	<0.05	<0.05	0.11
JULY													
01	0950	0.16	<0.05	0.83	<0.20	0.15	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	0.09
09	1030	0.08	<0.05	0.51	<0.20	0.10	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	0.07
15	1100	<0.05	<0.05	0.35	<0.20	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
22	1040	0.06	<0.05	0.78	0.20	0.15	0.09	0.19	<0.05	<0.05	0.15	<0.05	0.10
29	1110	<0.05	<0.05	0.22	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST 1991													
05	1050	<0.05	<0.05	0.54	0.20	0.12	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	0.05
12	1030	<0.05	<0.05	0.14	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Alachlor diss (µg/L)	Ametryn diss (µg/L)	Atrazine diss (µg/L)	Cyanazine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Deiso-propyl-atrazine diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Prometryn diss (µg/L)	Prometon diss (µg/L)	Propazine diss (µg/L)	Simazine diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued													
AUGUST 1991 (cont.)													
20	1030	<0.05	<0.05	0.11	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
27	0945	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SEPTEMBER													
03	1040	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10	1030	<0.05	<0.05	0.13	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	0952	<0.05	<0.05	0.12	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
23	1040	<0.05	<0.05	0.13	<0.20	0.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
30	1122	<0.05	<0.05	0.09	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCTOBER													
07	1125	<0.05	<0.05	0.10	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
15	0955	0.08	<0.05	0.13	<0.20	<0.05	<0.05	0.10	<0.05	0.05	<0.05	<0.05	<0.05
21	1020	<0.05	<0.05	0.10	<0.20	0.06	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	0930	<0.05	<0.05	0.23	<0.20	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
NOVEMBER													
06	1040	<0.05	<0.05	0.13	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
20	0920	<0.05	<0.05	0.15	<0.20	0.06	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
05	1045	<0.05	<0.05	0.12	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	1010	<0.10	<0.10	<0.10	<0.20	<0.05	<0.05	<0.15	<0.05	<0.15	<0.10	<0.05	<0.05
JANUARY 1992													
02	1005	<0.05	<0.05	0.10	<0.20	0.08	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
21	1030	<0.05	<0.05	0.08	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
04	1125	<0.05	<0.05	0.10	<0.20	0.30	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
18	1025	<0.05	<0.05	0.08	<0.20	0.06	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
03	1025	<0.05	<0.05	0.05	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
11	1030	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	1040	<0.05	<0.05	0.07	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1020	<0.05	<0.05	0.08	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
31	1030	<0.05	<0.05	0.08	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL													
07	1015	<0.05	<0.05	0.11	<0.20	0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.06
14	1035	<0.05	<0.05	0.09	<0.20	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
22	1040	0.14	<0.05	1.3	0.30	0.08	<0.05	0.37	<0.05	<0.05	<0.05	<0.05	0.15
28	1104	0.14	<0.05	0.95	<0.20	0.11	<0.05	0.51	0.07	<0.05	<0.05	<0.05	0.14
MAY 1992													
06	0953	0.05	<0.05	0.42	0.20	0.07	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	0.11
12	0955	<0.05	<0.05	0.25	<0.20	0.05	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	0.06
18	1025	<0.05	<0.05	0.21	<0.20	0.05	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	0.06
27	1030	0.19	<0.05	1.4	0.40	0.15	0.06	0.28	<0.05	<0.05	<0.05	<0.05	0.26
JUNE													
02	1045	0.28	<0.05	3.0	0.40	0.42	0.21	0.54	<0.05	<0.05	<0.05	<0.05	0.52
09	1105	0.06	<0.05	0.79	0.20	0.14	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	0.18
16	1105	0.05	<0.05	0.32	<0.20	0.08	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	0.09
23	1023	0.05	<0.05	0.39	0.20	0.08	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	0.12
29	1235	0.07	<0.05	0.65	0.20	0.14	0.12	0.22	<0.05	<0.05	<0.05	<0.05	0.14

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desieo-propyl-atrazine dise (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine dise (µg/L)
03612500 - Ohio River st Dam 53 near Grand Chain, Ill.--Continued													
JULY													
08	1012	0.19	<0.05	0.85	0.20	0.20	0.14	0.25	0.06	<0.05	<0.05	<0.05	0.14
14	1025	0.14	<0.05	0.91	0.30	0.22	0.15	0.31	<0.05	<0.05	<0.05	<0.05	0.13
23	1040	0.12	<0.05	1.1	0.30	0.29	0.19	0.47	0.06	<0.05	<0.05	<0.05	0.14
28	1025	0.11	<0.05	1.0	0.30	0.28	0.17	0.47	0.09	<0.05	0.06	<0.05	0.11
07373420 - Mississippi River near St. Francisville, La.													
MAY 1991													
06	1131	0.11	<0.05	0.70	<0.20	0.13	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	0.10
JUNE													
17	1530	0.22	<0.05	1.8	0.90	0.14	<0.05	0.76	<0.05	<0.05	<0.05	<0.05	<0.05
JULY													
23	1031	0.10	<0.05	0.72	0.40	0.12	<0.05	0.36	<0.05	<0.05	<0.05	<0.05	<0.05
NOVEMBER													
05	1001	<0.05	<0.05	0.17	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
10	1030	<0.05	<0.05	0.11	<0.20	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.05
JANUARY 1992													
28	1115	<0.05	<0.05	0.08	<0.20	0.04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FEBRUARY													
26	1016	<0.05	<0.05	0.11	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
25	1000	<0.05	<0.05	0.15	<0.20	0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.07
MAY													
14	1201	0.06	<0.05	0.90	0.20	0.13	<0.10	0.35	<0.05	<0.05	<0.05	<0.05	0.12
26	1146	<0.05	<0.05	0.43	<0.20	0.10	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	0.08
JUNE													
17	1000	0.11	<0.05	0.98	0.40	0.15	<0.10	0.46	0.1	<0.05	<0.05	<0.05	0.12
JULY													
15	1101	0.13	<0.05	1.2	0.40	0.23	0.14	0.39	<0.05	<0.05	<0.05	<0.05	0.09
AUGUST													
18	1016	0.06	<0.05	0.88	0.20	0.30	0.15	0.24	0.08	<0.05	0.06	<0.05	<0.05
SEPTEMBER													
15	0901	<0.05	<0.05	0.36	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
07374000 - Mississippi River at Baton Rouge, La.													
APRIL 1991													
11	1430	<0.05	<0.05	0.28	<0.20	0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
17	1415	<0.05	<0.05	0.23	<0.20	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
24	1045	<0.05	<0.05	0.39	<0.20	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
01	1030	0.06	<0.05	0.52	0.30	<0.05	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05
06	0800	<0.05	<0.05	0.49	0.20	0.16	<0.05	0.18	<0.05	<0.05	0.09	<0.05	0.10
09	1030	0.13	<0.05	1.0	0.20	0.16	<0.05	0.31	<0.05	<0.05	0.09	<0.05	0.10
13	0930	0.10	<0.05	0.59	<0.20	0.13	<0.05	0.23	<0.05	<0.05	<0.05	<0.05	0.08
16	1130	<0.05	<0.05	0.34	0.20	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05
20	1330	0.13	<0.05	1.2	0.90	0.11	<0.05	0.38	<0.05	<0.05	<0.05	<0.05	<0.05
24	1315	0.14	<0.05	1.1	0.60	0.10	<0.05	0.40	<0.05	<0.05	<0.05	<0.05	<0.05
28	1255	0.07	<0.05	0.83	0.30	0.09	<0.05	0.36	<0.05	<0.05	<0.05	<0.05	<0.05
30	1130	0.13	<0.05	1.1	0.40	0.11	<0.05	0.36	0.09	<0.05	<0.05	<0.05	0.09

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
07374000 - Mississippi River at Baton Rouge, La.--Continued													
JUNE													
03	1045	0.18	<0.05	1.6	0.90	0.17	<0.05	0.48	<0.05	<0.05	<0.05	<0.05	0.08
06	1300	0.34	<0.05	2.0	1.1	0.16	<0.05	0.71	<0.05	<0.05	<0.05	<0.05	0.08
10	1315	0.23	<0.05	1.5	0.80	0.10	<0.05	0.67	<0.05	<0.05	<0.05	<0.05	0.05
13	1400	0.29	<0.05	2.6	1.2	0.29	<0.05	0.97	0.09	<0.05	<0.05	<0.05	0.11
17	1315	0.20	<0.05	1.9	0.80	0.16	<0.05	0.71	<0.05	<0.05	<0.05	<0.05	0.05
20	1415	0.30	<0.05	2.5	0.88	0.22	<0.05	0.87	0.15	<0.05	<0.05	<0.05	0.07
24	1345	0.44	<0.05	3.6	1.8	0.32	0.19	1.4	0.17	<0.05	0.05	<0.05	0.08
27	1400	0.40	<0.05	2.6	1.5	0.25	<0.05	1.2	0.09	<0.05	<0.05	<0.05	0.07
JULY 1991[1]													
03	1345	0.22	<0.05	1.5	0.50	0.18	<0.05	0.61	0.14	<0.05	<0.05	<0.05	0.06
08	1500	0.16	<0.05	1.3	0.50	0.16	<0.05	0.57	0.14	<0.05	<0.05	<0.05	0.05
11	1500	0.46	<0.05	3.3	1.2	0.39	0.15	1.3	0.08	<0.05	0.08	<0.05	0.07
17	1330	0.16	<0.05	1.1	0.40	0.17	0.10	0.51	0.11	0.06	0.13	<0.05	0.05
23	1315	0.07	<0.05	0.64	<0.20	<0.05	<0.05	0.26	<0.05	<0.05	<0.05	<0.05	<0.05
23	1316	0.07	<0.05	0.73	0.30	0.12	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
23	1317	0.07	<0.05	0.59	0.30	0.08	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
23	1318	0.07	<0.05	0.64	0.30	0.08	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05
23	1319	0.08	<0.05	0.70	0.30	0.10	<0.05	0.32	<0.05	<0.05	<0.05	<0.05	<0.05
23	1320	0.07	<0.05	0.59	0.30	0.08	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
30	0815	0.08	<0.05	0.68	0.30	0.13	<0.05	0.25	<0.05	<0.05	<0.05	<0.05	<0.05
AUGUST													
06	0900	<0.05	<0.05	0.36	0.20	0.07	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05
12	1030	0.05	<0.05	0.40	0.20	<0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
20	0900	<0.05	<0.05	0.46	0.30	<0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05
26	0900	<0.05	<0.05	<0.05	0.25	0.17	0.14	<0.05	<0.05	0.07	0.16	<0.05	0.06
SEPTEMBER													
03	1350	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
09	1341	<0.05	<0.05	0.26	0.30	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
18	1000	<0.05	<0.05	0.17	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	0915	<0.05	<0.05	0.16	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
30	0845	--	--	--	--	--	--	--	--	--	--	--	--
OCTOBER													
07	1415	<0.05	<0.05	0.15	<0.20	0.06	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	1400	<0.05	<0.05	0.10	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	1315	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
31	1100	<0.05	<0.05	0.27	0.39	0.08	<0.05	0.06	<0.05	<0.05	0.06	<0.05	0.05
NOVEMBER													
07	1600	<0.05	<0.05	0.17	<0.20	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
14	0900	<0.05	<0.05	0.18	<0.20	0.06	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
19	1330	<0.05	<0.05	0.13	<0.20	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
25	1700	0.05	<0.05	0.17	<0.20	0.06	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
DECEMBER													
02	1415	<0.05	<0.05	0.12	<0.20	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10	1015	<0.05	<0.05	0.10	<0.20	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.07
17	1330	<0.05	<0.05	0.07	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
24	1130	<0.05	<0.05	0.09	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
31	1100	<0.05	<0.05	0.10	<0.20	0.08	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 7.--Pesticide results from solid-phase extraction 100-milliliter method--Continued

Date	Time	Ala-chlor diss (µg/L)	Ame-tryn diss (µg/L)	Atra-zine diss (µg/L)	Cyana-zine diss (µg/L)	Desethyl-atrazine diss (µg/L)	Desiso-propyl-atrazine diss (µg/L)	Metola-chlor diss (µg/L)	Metri-buzin diss (µg/L)	Pro-metryn diss (µg/L)	Pro-meton diss (µg/L)	Propa-zine diss (µg/L)	Sima-zine diss (µg/L)
07374000 - Mississippi River st Baton Rouge, La.--Continued													
JANUARY 1992													
07	1100	<0.05	<0.05	0.10	<0.20	0.07	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
15	1430	<0.05	<0.05	0.12	<0.20	0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
20	1645	<0.05	<0.05	0.11	<0.20	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	1600	<0.05	<0.05	0.09	<0.20	0.04	<0.05	0.05	<0.05	<0.05	0.01	<0.05	<0.05
FEBRUARY 1992													
06	1500	<0.10	<0.05	<0.10	<0.20	<0.10	<0.05	<0.10	<0.05	<0.10	<0.10	<0.05	<0.10
13	1500	0.05	<0.05	0.13	<0.20	0.08	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	0.06
20	1745	<0.05	<0.05	0.10	<0.20	0.07	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
26	1015	<0.05	<0.05	<0.05	<0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MARCH													
05	1100	<0.05	<0.05	0.07	<0.20	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
11	1300	<0.05	<0.05	0.11	<0.20	0.07	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
19	0900	<0.05	<0.05	0.12	<0.20	0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
26	1030	<0.05	<0.05	0.15	<0.20	0.05	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	0.05
30	1630	<0.05	<0.05	0.19	<0.20	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
APRIL													
10	1500	<0.05	<0.05	0.18	<0.20	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
15	0930	<0.05	<0.05	0.22	<0.20	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
23	1030	<0.05	<0.05	0.09	<0.20	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
30	0900	0.09	<0.05	0.64	<0.20	<0.05	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
MAY													
06	0915	0.10	<0.05	1.1	<0.20	0.11	<0.05	0.52	<0.05	<0.05	<0.05	<0.05	0.09
14	1330	0.08	<0.05	0.64	<0.20	0.10	<0.05	0.41	<0.05	<0.05	<0.05	<0.05	0.07
20	1110	<0.05	<0.05	0.31	<0.20	0.08	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	0.08
28	1100	<0.05	<0.05	0.32	<0.20	0.08	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	0.09
JUNE													
03	1325	0.06	<0.05	0.37	<0.20	0.07	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	0.08
12	1440	0.16	<0.05	1.1	0.80	0.14	<0.10	0.44	0.10	<0.05	<0.05	<0.05	0.14
19	0925	0.09	<0.05	0.89	0.30	0.15	<0.10	0.39	0.11	<0.05	<0.05	<0.05	0.14
25	1415	0.06	<0.05	0.70	0.30	0.13	0.09	0.22	0.06	<0.05	<0.05	<0.05	0.09
JULY													
02	1145	0.05	<0.05	0.76	<0.20	0.10	0.09	0.21	0.06	<0.05	<0.05	<0.05	0.08
09	1500	0.05	<0.05	0.81	0.30	0.16	0.10	0.19	0.05	<0.05	<0.05	<0.05	0.08
16	1050	0.12	<0.05	1.2	0.40	0.23	0.14	0.38	0.06	<0.05	<0.05	<0.05	0.10
23	1400	0.10	<0.05	0.80	0.30	0.18	0.12	0.18	<0.05	<0.05	<0.05	<0.05	0.09
31	1545	0.11	<0.05	1.5	0.50	0.33	0.19	0.39	0.05	<0.05	<0.05	<0.05	0.10
AUGUST													
05	1200	0.10	<0.05	1.4	0.40	0.36	0.22	0.47	0.05	<0.05	<0.05	<0.05	0.08
13	0945	0.07	<0.05	1.1	0.20	0.34	0.17	0.33	0.08	<0.05	0.06	<0.05	0.09
21	1415	0.07	<0.05	0.85	0.20	0.32	0.16	0.25	<0.05	<0.05	0.06	<0.05	<0.05
SEPTEMBER													
04	1510	0.05	<0.05	0.50	0.20	0.23	0.12	0.16	<0.05	<0.05	0.06	<0.05	<0.05
09	0835	<0.05	<0.05	0.41	<0.20	0.21	0.12	0.11	<0.05	<0.05	0.05	<0.05	<0.05
16	1450	<0.05	<0.05	0.36	<0.20	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
23	1300	<0.05	<0.05	0.33	<0.20	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05

[1]The sample collected at 1315 hours on July 23, 1991, was from the end of the pier. The other samples were collected at equally spaced intervals across the river, starting at 1316 hours near the left bank and ending at 1320 hours near the right bank.

Table 8.--Pesticide results from solid-phase extraction 1-liter method

[µg/L, microgram per liter; <, less than; diss, dissolved; --, no data;
DDE, dichlorodiphenyldichloroethylene; EPTC, S-Ethyl dipropylthiocarbamate;
HCH, Hexachlorocyclohexane]

Date	Tima	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atra-zine diss (µg/L)	Azin-phos-methyl diss (µg/L)	Ben-fluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbo-furan diss (µg/L)	Chlor-pyrifos diss (µg/L)	Cyana-zine diss (µg/L)	Dachtal diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa												
APRIL 1991												
02	1040	--	--	--	--	--	--	--	--	--	--	--
11	1100	--	--	--	--	--	--	--	--	--	--	--
16	1150	--	--	--	--	--	--	--	--	--	--	--
23	1030	--	--	--	--	--	--	--	--	--	--	--
MAY												
01	1150	--	--	--	--	--	--	--	--	--	--	--
07	1115	0.040	--	0.137	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.028	--
10	1030	--	--	--	--	--	--	--	--	--	--	--
14	1120	--	--	--	--	--	--	--	--	--	--	--
17	1045	0.085	--	0.148	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.044	--
21	1140	--	--	--	--	--	--	--	--	--	--	--
24	1205	0.351	--	0.390	<0.038	--	<0.008	<0.046	0.014	<0.005	0.146	--
28	1210	0.335	--	0.620	<0.038	--	<0.008	<0.046	0.008	0.009	0.294	--
31	1015	0.147	--	0.338	<0.038	--	<0.008	<0.046	0.010	<0.005	0.125	--
JUNE 1991												
04	1300	0.478	--	0.897	<0.038	--	<0.008	<0.046	0.023	<0.005	0.379	--
07	1100	0.192	--	0.379	<0.038	--	<0.008	<0.046	0.009	<0.005	0.185	--
10	1130	0.182	--	0.447	<0.038	--	<0.008	<0.046	0.008	<0.005	0.265	--
13	1410	0.154	--	0.342	<0.038	--	<0.008	<0.046	0.006	<0.005	0.190	--
17	1040	1.02	--	2.01	<0.038	--	<0.008	<0.046	0.022	0.038	1.15	--
20	1345	1.04	--	1.79	<0.038	--	<0.008	<0.046	0.037	<0.005	0.814	--
24	1055	0.674	--	0.952	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.997	--
27	0915	0.648	--	0.782	<0.038	--	<0.008	<0.046	0.016	<0.005	1.07	--
JULY												
01	1025	0.420	--	0.639	<0.038	--	<0.008	<0.046	<0.013	<0.005	1.12	--
05	1205	0.208	--	0.575	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.751	--
08	1130	0.137	--	0.319	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.474	--
11	1300	--	--	--	--	--	--	--	--	--	--	--
15	1025	0.187	--	0.728	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.780	--
18	1200	--	--	--	--	--	--	--	--	--	--	--
22	1050	--	--	--	--	--	--	--	--	--	--	--
29	1230	0.054	--	0.524	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.260	--
AUGUST 1991												
06	1240	0.056	--	0.479	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.193	--
12	1125	0.047	--	0.381	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.160	--
19	1145	0.039	--	0.373	<0.038	--	<0.008	<0.046	<0.013	<0.015	0.114	--
26	1205	0.020	--	0.269	<0.038	--	<0.008	<0.046	<0.013	0.005	0.071	--
SEPTEMBER												
03	1200	0.017	--	0.237	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.070	--
09	1500	0.017	--	0.236	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.065	--
17	1215	0.020	--	0.254	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.062	--
24	1215	0.010	--	0.175	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.039	--

Table 8.—Pesticide results from solid-phase extraction 1-liter method—Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa—Continued												
OCTOBER												
01	1200	--	--	--	--	--	--	--	--	--	--	--
07	1230	0.025	--	0.149	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.028	--
15	1300	0.021	--	0.163	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.026	--
22	1230	0.010	--	0.104	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.018	--
29	1330	0.009	--	0.100	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.018	--
NOVEMBER 1991												
05	1245	0.012	--	0.111	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.019	--
12	1255	0.007	--	0.099	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.015	--
26	1320	<0.015	--	0.089	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.026	--
DECEMBER												
09	1200	0.009	--	0.097	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.019	--
22	1330	0.010	--	0.074	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.017	--
JANUARY 1992												
07	1210	0.006	<0.007	0.053	<0.038	<0.005	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
22	1340	0.005	<0.007	0.058	<0.038	<0.005	<0.008	<0.046	<0.013	<0.005	0.011	<0.004
FEBRUARY												
03	1245	0.005	<0.007	0.051	<0.038	<0.005	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
20	1230	0.010	<0.007	0.074	<0.038	<0.005	<0.008	<0.046	<0.013	<0.005	0.019	<0.004
MARCH 1992												
04	1100	--	--	--	--	--	--	--	--	--	--	--
13	1200	0.013	0.002	0.075	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.015	<0.004
17	1400	0.009	<0.007	0.068	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.013	<0.004
24	1125	0.015	<0.007	0.061	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
30	1155	0.012	<0.007	0.063	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
APRIL												
06	1215	0.011	<0.007	0.069	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.017	<0.004
14	1130	0.010	<0.007	0.066	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.016	<0.004
24	1145	0.021	<0.007	0.130	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.023	<0.004
28	1145	0.009	<0.007	0.073	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.013	<0.004
MAY												
05	1115	0.010	<0.007	0.058	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.015	<0.004
12	1130	0.028	<0.007	0.058	<0.038	<0.013	0.005	<0.046	<0.013	<0.005	0.020	<0.004
19	1130	0.031	<0.007	0.089	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.034	<0.004
26	1215	0.078	<0.007	0.140	<0.038	<0.013	<0.008	<0.046	<0.013	0.011	0.068	0.001
05586100 - Illinois River at Valley City												
APRIL 1991												
05	1230	--	--	--	--	--	--	--	--	--	--	--
17	1330	--	--	--	--	--	--	--	--	--	--	--
26	1000	--	--	--	--	--	--	--	--	--	--	--
MAY												
03	1545	0.184	--	0.745	<0.038	--	0.024	<0.046	<0.013	<0.005	0.763	--
08	1245	4.19	--	11	<0.038	--	0.088	<0.046	0.149	0.148	7.81	--
10	1100	--	--	--	--	--	--	--	--	--	--	--
17	1145	0.585	--	2.58	<0.038	--	<0.008	<0.046	0.013	<0.005	2.07	--
19	1115	1.19	--	4.79	<0.038	--	0.005	<0.046	0.038	0.063	3.28	--
22	1715	1.88	--	8.73	<0.038	--	0.014	<0.046	0.159	<0.005	6.61	--
29	1130	1.96	--	11	<0.038	--	0.016	<0.046	0.029	0.040	1.78	--
31	1045	0.931	--	6.76	<0.038	--	0.007	<0.046	0.054	<0.005	4.75	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
05586100 - Illinois River st Vslley City--Continued												
JUNE 1991												
04	1215	0.935	--	6.11	<0.038	--	0.005	<0.046	0.037	<0.005	4.26	--
06	1200	0.668	--	4.62	<0.038	--	<0.046	<0.046	0.031	<0.005	1.64	--
11	1345	0.691	--	4.78	<0.038	--	<0.046	<0.046	0.024	<0.005	3.13	--
14	1200	0.538	--	4.09	<0.038	--	<0.046	<0.046	0.009	<0.005	2.32	--
18	1130	0.509	--	3.69	<0.038	--	<0.046	<0.046	0.009	<0.005	1.44	--
20	1130	0.396	--	3.39	<0.038	--	<0.046	<0.046	<0.013	<0.005	1.34	--
24	1130	0.206	--	2.74	<0.038	--	<0.046	<0.046	<0.013	<0.005	1.25	--
27	1100	0.214	--	2.06	<0.038	--	<0.046	<0.046	0.033	<0.005	0.716	--
JULY												
01	0930	0.109	--	1.77	<0.038	--	<0.046	<0.046	0.015	<0.005	0.631	--
03	1100	0.075	--	1.28	<0.038	--	<0.046	<0.046	0.022	<0.005	0.456	--
09	1000	0.042	--	0.923	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.271	--
11	1045	0.053	--	0.791	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.240	--
18	1115	--	--	--	--	--	--	--	--	--	--	--
25	1340	0.015	--	0.451	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.123	--
31	1100	0.013	--	0.350	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.096	--
AUGUST												
06	1015	0.011	--	0.331	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.087	--
13	1200	0.019	--	0.303	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.086	--
21	1230	0.009	--	0.200	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.050	--
28	1015	0.009	--	0.119	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.037	--
SEPTEMBER 1991												
03	1050	0.009	--	0.141	<0.038	--	<0.046	<0.046	<0.013	<0.005	0.047	--
10	1200	0.021	--	0.219	<0.038	--	<0.046	0.004	<0.013	<0.005	0.076	--
17	1100	0.025	--	0.205	<0.038	--	<0.046	<0.046	0.010	<0.005	0.089	--
24	1100	0.025	--	0.159	<0.038	--	<0.046	0.013	<0.013	<0.005	0.046	--
OCTOBER												
01	1130	0.025	--	0.169	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.050	--
08	1330	0.064	--	0.463	<0.038	--	<0.008	0.017	<0.013	<0.005	0.141	--
15	1215	0.029	--	0.195	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.068	--
22	1130	0.024	--	0.111	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.034	--
NOVEMBER												
05	1140	0.088	--	0.213	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.043	--
15	1130	0.017	--	0.200	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.049	--
DECEMBER												
03	1030	0.032	--	0.234	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.048	--
18	1200	0.026	--	0.211	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.049	--
JANUARY 1992												
02	1330	0.014	--	0.158	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.073	--
15	1645	0.011	<0.007	0.140	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.043	<0.004
30	1345	0.016	<0.007	0.150	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.054	<0.004
FEBRUARY 1992												
12	1200	0.011	<0.007	0.130	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.130	<0.004
28	1245	0.023	<0.007	0.190	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.068	<0.004
MARCH												
03	1100	0.019	<0.007	0.160	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.061	<0.004
10	1015	0.014	<0.007	0.180	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.062	<0.004

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
05586100 - Illinois River at Valley City--Continued												
MARCH (cont.)												
17	1050	0.011	<0.007	0.170	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.064	<0.004
25	1045	0.018	<0.007	0.190	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.051	<0.004
06805500 - Platte River at Louisville, Nebr.												
APRIL 1991												
09	1250	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--
24	1030	--	--	--	--	--	--	--	--	--	--	--
29	1000	0.139	--	0.590	<0.038	--	0.007	<0.046	<0.013	<0.005	0.049	--
MAY												
06	1115	0.219	--	0.975	<0.038	--	0.005	<0.046	<0.013	<0.005	0.312	--
09	0940	0.145	--	1.00	<0.038	--	0.007	<0.046	<0.013	<0.005	0.182	--
13	1110	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--
21	0945	6.51	--	17	<0.038	--	0.021	<0.046	0.153	<0.005	9.02	--
24	0740	0.647	--	3.04	<0.038	--	<0.008	<0.046	0.039	<0.005	1.75	--
29	1015	0.772	--	4.18	<0.038	--	<0.008	<0.046	0.010	0.017	0.787	--
31	0735	2.50	--	9.52	<0.038	--	<0.008	<0.046	0.028	<0.005	7.80	--
JUNE 1991												
04	0800	2.09	--	11	<0.038	--	<0.008	<0.046	0.053	<0.005	13.0	--
07	1415	3.72	--	14	<0.038	--	0.006	0.005	0.092	0.036	20.3	--
11	1045	1.05	--	7.95	<0.038	--	0.005	<0.046	0.093	<0.005	4.43	--
14	0750	0.914	--	5.26	<0.038	--	<0.008	<0.046	0.078	0.062	2.32	--
18	0935	0.700	--	4.84	<0.038	--	<0.008	0.004	0.119	<0.005	3.71	--
21	1020	0.213	--	2.72	<0.038	--	<0.008	<0.046	0.020	<0.005	1.52	--
24	1110	0.327	--	2.55	<0.038	--	<0.008	0.006	0.191	<0.005	0.814	--
27	1020	0.122	--	1.75	<0.038	--	<0.008	0.017	0.056	<0.005	0.746	--
JULY												
01	0950	0.036	--	1.05	<0.038	--	<0.008	0.022	<0.013	<0.005	0.389	--
03	0950	0.092	--	1.58	<0.038	--	<0.008	<0.046	1.27	<0.005	1.37	--
08	1100	0.039	--	1.18	<0.038	--	<0.008	0.006	0.038	<0.005	0.422	--
11	1020	0.177	--	2.03	<0.038	--	<0.008	<0.046	0.295	<0.005	0.229	--
15	0950	0.058	--	1.80	<0.038	--	<0.008	<0.046	0.008	<0.005	0.185	--
25	1000	0.016	--	0.994	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.161	--
29	0940	0.007	--	0.689	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.090	--
AUGUST 1991												
06	1130	0.006	--	0.520	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.060	--
12	1115	0.005	--	0.481	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.068	--
20	1000	0.009	--	0.496	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.132	--
27	0940	0.005	--	0.409	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.047	--
SEPTEMBER												
03	0950	<0.009	--	0.357	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.057	--
10	1030	0.007	--	0.281	<0.038	--	<0.008	0.016	<0.013	<0.005	0.035	--
17	1115	0.029	--	0.333	<0.038	--	<0.008	<0.046	0.020	<0.005	0.087	--
24	1135	0.006	--	0.183	<0.038	--	<0.008	<0.046	0.006	<0.005	0.024	--
OCTOBER												
01	1115	<0.009	--	0.203	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.025	--
08	1030	0.003	--	0.114	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.010	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
06805500 - Platte River st Louisville, Nebr.--Continued												
OCTOBER (cont.)												
15	1130	<0.009	--	0.209	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.016	--
24	1200	<0.009	--	0.119	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.010	--
NOVEMBER												
05	1200	0.008	--	0.215	<0.038	--	<0.008	0.015	<0.013	<0.005	0.074	--
19	1140	0.017	--	0.912	<0.038	--	<0.008	<0.046	<0.013	<0.005	1.86	--
DECEMBER 1991												
05	1130	--	--	--	--	--	--	--	--	--	--	--
20	1000	<0.009	<0.007	0.093	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.010	<0.004
30	1020	0.010	<0.007	0.140	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.045	<0.004
JANUARY 1992												
14	1000	0.008	<0.007	0.083	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.020	<0.004
28	1000	<0.009	<0.007	0.083	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
FEBRUARY												
11	1030	0.002	<0.007	0.094	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.010	0.002
27	1000	0.005	<0.007	0.095	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.008	<0.004
MARCH												
05	1010	0.005	<0.007	0.170	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
09	0945	0.008	<0.007	0.120	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.034	<0.004
17	1145	0.008	<0.007	0.130	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
23	1040	0.004	<0.007	0.100	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.023	<0.004
31	1100	0.007	<0.007	0.100	<0.038	<0.013	0.005	<0.046	<0.013	<0.005	0.013	<0.004
APRIL 1992												
07	1100	0.005	<0.007	0.140	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.016	<0.004
14	1010	0.004	<0.007	0.150	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.014	<0.004
23	1020	0.038	<0.007	0.180	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.027	<0.004
29	1030	0.017	<0.007	0.160	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.045	<0.004
MAY												
07	1100	0.069	<0.007	0.330	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.390	<0.004
06934500 - Missouri River at Hermann, Mo.												
APRIL 1991												
09	1331	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--
24	1200	--	--	--	--	--	--	--	--	--	--	--
MAY												
01	1130	--	--	--	--	--	--	--	--	--	--	--
06	1100	0.330	--	3.17	<0.038	--	0.024	<0.046	0.082	<0.005	1.41	--
09	0930	--	--	--	--	--	--	--	--	--	--	--
13	1000	--	--	--	--	--	--	--	--	--	--	--
16	1020	0.248	--	3.03	<0.038	--	0.010	<0.046	0.006	<0.005	0.476	--
20	1000	0.325	--	2.85	<0.038	--	<0.008	<0.046	0.022	<0.005	0.830	--
24	1000	1.06	--	6.20	<0.038	--	<0.008	<0.046	<0.013	<0.005	5.13	--
28	1030	0.934	--	6.92	<0.038	--	<0.008	<0.046	<0.013	<0.005	3.00	--
31	1040	0.470	--	4.83	<0.038	--	<0.008	<0.046	0.107	<0.005	2.68	--
JUNE 1991												
03	1000	0.390	--	4.6	<0.038	--	<0.008	0.006	0.029	<0.005	2.49	--
06	1000	0.599	--	5.8	<0.038	--	<0.008	<0.046	0.034	<0.005	3.49	--
11	1000	0.354	--	4.8	<0.038	--	<0.008	<0.046	0.020	<0.005	4.99	--
13	1000	0.866	--	6.2	<0.038	--	<0.008	<0.046	0.030	<0.005	7.94	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
06934500 - Missouri River at Hermsnn, Mo.--Continned												
JUNE 1991 (cont.)												
21	1000	0.516	--	8.6	<0.038	--	<0.008	<0.046	0.069	<0.005	3.26	--
25	1130	0.458	--	4.1	<0.038	--	<0.008	<0.046	0.021	<0.005	1.82	--
27	1045	0.209	--	3.2	<0.038	--	<0.008	<0.046	0.159	<0.005	0.883	--
JULY												
01	1100	0.218	--	2.75	<0.038	--	<0.008	<0.046	0.020	<0.005	0.586	--
03	1000	0.075	--	1.28	<0.038	--	<0.008	0.009	<0.013	<0.005	0.323	--
08	1030	0.018	--	0.57	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.124	--
11	1000	0.033	--	0.87	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.168	--
15	1030	0.144	--	1.32	<0.038	--	<0.008	<0.046	0.023	<0.005	0.240	--
22	1015	0.029	--	0.93	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.213	--
29	1100	0.021	--	0.70	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.094	--
AUGUST 1991												
05	1000	0.007	--	0.407	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.096	--
13	1100	0.014	--	0.477	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.089	--
19	1000	0.017	--	0.483	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.124	--
27	1100	0.010	--	0.388	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.077	--
SEPTEMBER												
05	1030	0.011	--	0.337	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.030	--
09	1000	0.011	--	0.324	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.026	--
16	1000	0.011	--	0.241	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.020	--
23	0945	0.010	--	0.237	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.017	--
OCTOBER												
01	1030	0.007	--	0.159	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.017	--
07	1000	<0.009	--	0.177	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.015	--
15	1100	0.011	--	0.187	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.018	--
21	1000	0.015	--	0.248	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.021	--
29	1000	0.006	--	0.184	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.011	--
NOVEMBER 1991												
04	1030	0.008	--	0.170	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.015	--
21	1030	0.017	--	0.273	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.028	--
DECEMBER												
06	1240	0.010	--	0.197	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.028	--
16	1130	0.011	--	0.308	<0.038	--	0.023	<0.046	<0.013	<0.005	0.037	--
JANUARY 1992												
02	1030	0.024	--	0.296	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.036	--
16	1200	0.010	<0.007	0.280	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.052	<0.004
28	1300	0.009	<0.007	0.180	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.039	<0.004
FEBRUARY												
10	1000	0.006	<0.007	0.160	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.022	<0.004
24	1200	0.016	<0.007	0.210	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.045	<0.004
MARCH												
03	1100	0.010	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.084	<0.004
12	1200	0.012	<0.007	0.300	<0.038	<0.013	<0.008	<0.046	<0.013	0.006	0.043	<0.004
20	0830	0.010	<0.007	0.220	<0.038	<0.013	0.023	<0.046	<0.013	<0.005	0.044	0.004
26	1130	0.019	<0.007	0.390	<0.038	<0.013	0.004	<0.046	<0.013	<0.005	0.072	<0.004
APRIL 1992												
01	1000	0.010	<0.007	0.330	<0.038	<0.013	0.013	<0.046	<0.013	<0.005	0.072	<0.004
06	1230	0.014	<0.007	0.320	<0.038	<0.013	0.008	<0.046	<0.013	0.009	0.089	<0.004

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continued												
APRIL 1992 (cont.)												
14	1030	0.062	<0.007	0.600	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.400	<0.004
21	1300	0.062	<0.007	0.880	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.430	0.003
29	1015	0.160	<0.007	2.20	<0.038	<0.013	0.009	<0.046	<0.013	<0.005	0.920	<0.004
MAY												
12	1000	0.021	<0.007	0.510	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.160	<0.004
21	1200	0.019	<0.007	0.350	<0.038	<0.013	0.017	<0.046	<0.013	0.007	0.140	0.004
26	1130	1.00	<0.007	4.60	<0.038	<0.013	0.008	<0.046	<0.013	<0.005	8.90	0.002
JUNE												
01	1330	0.430	<0.007	3.10	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	2.00	0.002
09	1030	0.063	<0.007	0.690	<0.038	<0.013	<0.008	<0.046	<0.013	0.018	0.360	0.001
15	1230	0.190	<0.007	1.50	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.330	0.002
22	0945	0.110	<0.007	1.80	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.390	0.001
30	1130	0.094	<0.007	2.00	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.580	0.001
JULY 1992												
07	0930	0.021	<0.007	0.700	<0.038	<0.013	<0.008	0.002	<0.013	<0.005	0.150	<0.004
14	1200	0.130	<0.007	1.50	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.300	0.002
21	1030	0.180	<0.007	3.00	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.520	0.001
28	1230	0.049	<0.007	1.20	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.140	<0.004
07022000 - Mississippi River at Thebes, Ill.												
APRIL 1991												
11	1500	--	--	--	--	--	--	--	--	--	--	--
18	1130	--	--	--	--	--	--	--	--	--	--	--
24	0930	--	--	--	--	--	--	--	--	--	--	--
29	1230	--	--	--	--	--	--	--	--	--	--	--
MAY												
07	1345	0.497	--	3.63	<0.038	--	0.036	<0.046	0.057	<0.005	2.76	--
09	0900	0.310	--	2.02	<0.038	--	0.017	0.005	0.013	<0.005	1.39	--
13	1330	--	--	--	--	--	--	--	--	--	--	--
16	1200	0.509	--	2.12	<0.038	--	<0.008	<0.046	0.026	<0.005	1.05	--
20	1430	0.335	--	2.55	<0.038	--	<0.008	<0.046	<0.013	<0.005	1.06	--
23	0916	0.497	--	2.58	<0.038	--	<0.008	<0.046	0.009	<0.005	2.25	--
28	1300	0.787	--	2.52	<0.038	--	0.007	<0.046	0.012	<0.005	0.644	--
30	1330	0.755	--	3.75	<0.038	--	0.004	0.005	0.047	<0.005	2.20	--
JUNE 1991												
03	1345	0.624	--	3.87	<0.038	--	<0.008	<0.046	0.051	<0.005	2.45	--
06	1045	0.504	--	3.85	<0.038	--	<0.008	<0.046	0.027	<0.005	2.04	--
10	1400	0.625	--	3.67	<0.038	--	<0.008	<0.046	0.025	<0.005	2.39	--
13	1500	0.552	--	3.30	<0.038	--	<0.008	<0.046	<0.013	<0.005	1.20	--
18	1430	0.701	--	4.16	<0.038	--	<0.008	<0.046	0.018	<0.005	2.35	--
20	1100	0.630	--	3.72	<0.038	--	<0.008	<0.046	0.016	<0.005	1.56	--
24	1300	0.312	--	5.94	<0.038	--	<0.008	0.018	0.076	<0.005	2.70	--
27	1400	0.848	--	4.01	<0.038	--	<0.008	<0.046	0.050	<0.005	1.40	--
JULY												
01	1320	0.661	--	2.51	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.892	--
03	0950	0.543	--	2.35	<0.038	--	<0.008	<0.046	<0.013	0.026	0.861	--
08	1330	0.360	--	1.63	<0.038	--	<0.008	0.005	<0.013	<0.005	0.876	--
11	1400	0.333	--	1.62	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.840	--

Table 8.--Pesticide resuits from solid-phase extraction 1-liter method--Continued

Data	Tima	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atra-zine diss (µg/L)	Azin-phos-methyl diss (µg/L)	Ban-fluralin diss (µg/L)	Butylata diss (µg/L)	Carbaryl diss (µg/L)	Carbo-furan diss (µg/L)	Chlor-pyrifos diss (µg/L)	Cyana-zine diss (µg/L)	Dachtal diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued												
JULY (cont.)												
18	0930	--	--	--	--	--	--	--	--	--	--	--
23	1300	0.240	--	1.53	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.556	--
30	1000	0.154	--	1.13	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.535	--
AUGUST 1991												
06	1300	0.097	--	0.814	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.363	--
13	0930	0.091	--	0.738	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.301	--
20	1330	0.091	--	0.681	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.225	--
29	1100	0.057	--	0.498	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.191	--
SEPTEMBER 1991												
03	1500	0.049	--	0.452	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.124	--
11	1000	0.031	--	0.363	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.071	--
17	1400	0.030	--	0.294	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.047	--
26	0930	0.062	--	0.280	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.040	--
OCTOBER												
02	1300	0.073	--	0.209	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.035	--
09	1030	0.092	--	0.233	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.032	--
16	1430	0.079	--	0.240	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.044	--
23	0945	0.084	--	0.263	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.036	--
30	1400	0.060	--	0.150	<0.038	--	<0.008	<0.046	<0.015	<0.005	<0.013	--
NOVEMBER												
07	0800	0.078	--	0.168	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.022	--
20	1030	0.081	--	0.241	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.039	--
DECEMBER 1991												
05	1045	0.116	--	0.198	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.046	--
18	1100	0.093	--	0.203	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.040	--
30	1400	0.076	--	0.224	<0.038	--	<0.008	<0.046	<0.015	<0.005	0.035	--
JANUARY 1992												
24	0930	0.051	<0.007	0.170	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.041	<0.004
FEBRUARY												
04	1030	0.062	<0.007	0.140	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.037	<0.004
19	0930	0.012	<0.007	0.160	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.047	<0.004
MARCH												
04	0945	0.022	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.074	<0.004
09	1300	0.022	<0.007	0.180	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.048	<0.004
18	0945	0.036	<0.007	0.190	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.036	<0.004
24	1330	0.023	<0.007	0.270	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.058	<0.004
APRIL 1992												
02	0930	0.036	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.063	<0.004
07	1330	0.021	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.053	<0.004
15	1030	0.026	<0.007	0.290	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.170	<0.004
23	1330	0.250	<0.007	2.30	<0.038	<0.013	0.018	<0.046	<0.013	<0.005	1.30	<0.004
29	1100	0.200	<0.007	2.00	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.960	<0.004
MAY												
06	1300	0.066	<0.007	0.600	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.270	<0.004
14	0930	0.040	<0.007	0.370	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.140	<0.004
19	1300	0.047	<0.007	0.330	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.110	<0.004
28	0900	0.120	<0.007	0.670	<0.038	<0.013	<0.008	<0.046	<0.013	0.014	0.270	0.001

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued												
JUNE												
02	1300	0.490	<0.007	2.40	<0.038	<0.013	<0.008	<0.046	<0.013	0.055	1.80	0.001
09	0930	0.170	<0.007	1.10	<0.038	<0.013	<0.008	<0.046	<0.013	0.029	0.500	0.001
16	1330	0.058	<0.007	0.490	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.160	0.001
25	1000	0.067	<0.007	1.00	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.240	0.001
JULY 1992												
01	1300	0.100	<0.007	1.40	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.960	<0.004
09	0915	0.055	<0.007	0.800	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.260	<0.004
15	1230	0.051	<0.007	0.700	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.280	<0.004
23	1000	0.150	<0.007	2.20	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.780	<0.004
28	1300	0.130	<0.007	1.60	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.460	<0.004
03374100 - White River at Hazleton, Ind.												
MAY 1991												
01	1000	0.028	--	0.267	<0.038	--	0.028	<0.046	<0.013	<0.005	0.067	--
06	1115	0.027	--	0.312	<0.038	--	0.035	<0.046	<0.013	<0.005	0.065	--
09	1215	0.031	--	0.526	<0.038	--	0.045	<0.046	<0.013	<0.005	0.115	--
13	1300	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--
20	1045	0.752	--	4.26	<0.038	--	0.055	<0.046	0.022	<0.005	1.40	--
23	1100	1.40	--	4.74	<0.038	--	0.083	<0.046	0.018	<0.005	1.38	--
28	1100	5.25	--	18	<0.038	--	0.018	<0.046	<0.013	<0.005	3.44	--
30	1200	3.44	--	16	<0.038	--	0.034	<0.046	0.091	<0.005	3.92	--
JUNE												
03	1200	0.869	--	8.82	<0.038	--	0.017	<0.046	0.051	<0.005	2.40	--
06	1145	1.19	--	6.02	<0.038	--	0.007	<0.046	0.027	<0.005	1.27	--
10	1200	1.17	--	6.50	<0.038	--	0.004	<0.046	0.033	<0.005	2.18	--
13	1100	0.787	--	6.58	<0.038	--	<0.008	<0.046	0.036	<0.005	2.07	--
17	1200	0.384	--	3.93	<0.038	--	<0.008	<0.046	0.009	<0.005	1.18	--
20	1130	0.276	--	3.79	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.726	--
24	1215	0.381	--	3.95	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.798	--
27	1130	0.148	--	2.97	<0.038	--	0.007	<0.046	<0.013	<0.005	0.564	--
JULY 1991												
01	1145	0.075	--	1.84	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.326	--
03	1100	0.063	--	1.96	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.322	--
08	1200	0.034	--	1.60	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.235	--
11	1130	<0.009	--	1.32	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.209	--
15	1200	0.123	--	2.32	<0.038	--	<0.008	<0.046	0.024	<0.005	0.239	--
18	1300	0.075	--	2.09	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.302	--
22	1300	0.027	--	1.63	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.244	--
25	1200	0.016	--	1.24	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.194	--
30	1145	0.016	--	1.09	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.187	--
AUGUST												
01	1145	0.012	--	0.888	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.132	--
06	1200	<0.009	--	0.765	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.110	--
08	1300	0.007	--	0.642	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.101	--
12	1100	0.024	--	0.671	<0.038	--	0.009	<0.046	<0.013	<0.005	0.126	--
15	1200	0.010	--	0.619	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.118	--
19	1115	0.011	--	0.621	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.086	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
03374100 - White River at Hazleton, Ind.--Continued												
AUGUST (cont.)												
22	1230	0.008	--	0.530	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.077	--
26	1245	0.009	--	0.538	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.089	--
29	1200	0.010	--	0.508	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.076	--
SEPTEMBER 1991												
09	1100	0.014	--	0.556	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.090	--
12	1100	0.017	--	0.492	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.081	--
19	1130	0.022	--	0.521	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.079	--
26	1200	0.019	--	0.553	<0.038	--	<0.008	0.009	<0.013	<0.005	0.087	--
OCTOBER												
03	1000	<0.009	--	0.381	<0.038	--	<0.008	0.014	<0.013	<0.005	0.060	--
08	1100	0.007	--	0.327	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.049	--
17	1100	0.006	--	0.354	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.068	--
24	1100	<0.009	--	0.283	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.045	--
28	1130	0.007	--	0.261	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.050	--
30	1130	0.046	--	0.390	<0.038	--	<0.008	<0.046	0.017	<0.005	0.067	--
NOVEMBER												
04	1130	<0.009	--	0.514	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.074	--
13	1025	0.017	--	0.289	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.049	--
27	1200	<0.009	--	0.471	<0.038	--	0.002	<0.046	<0.013	<0.005	0.070	--
DECEMBER												
18	1200	0.036	--	0.427	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.061	--
JANUARY 1992												
02	1200	0.014	--	0.228	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.043	--
16	1235	0.032	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.043	<0.004
30	1243	0.024	<0.007	0.300	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.046	<0.004
FEBRUARY												
13	1240	0.013	<0.007	0.270	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.055	<0.004
27	1200	0.028	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.030	<0.004
MARCH												
05	1130	0.016	<0.007	0.240	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.048	<0.004
12	1115	0.011	<0.007	0.220	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.027	<0.004
19	1133	0.012	<0.007	0.190	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.023	<0.004
26	1128	0.021	<0.007	0.190	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.025	<0.004
APRIL												
02	1135	0.020	<0.007	0.320	<0.038	<0.013	0.003	<0.046	<0.013	<0.005	0.053	<0.004
09	1102	0.017	<0.007	0.280	<0.038	<0.013	0.007	<0.046	<0.013	<0.005	0.038	<0.004
16	1112	0.460	<0.007	1.20	<0.038	<0.013	0.028	<0.046	<0.013	<0.005	0.170	<0.004
20	1030	0.094	<0.007	1.10	<0.038	<0.013	0.013	<0.046	<0.013	<0.005	0.300	<0.004
24	1035	0.280	<0.007	1.90	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.550	<0.004
29	1100	0.140	<0.007	1.30	<0.038	<0.013	0.029	<0.046	<0.013	<0.005	0.500	<0.004
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.												
APRIL 1991												
10	1200	--	--	--	--	--	--	--	--	--	--	--
18	1045	--	--	--	--	--	--	--	--	--	--	--
23	1110	--	--	--	--	--	--	--	--	--	--	--
MAY												
01	1040	0.020	--	0.185	<0.038	--	0.015	<0.046	<0.013	<0.005	0.035	--
07	1022	0.016	--	0.194	<0.038	--	0.007	<0.046	0.003	<0.005	0.057	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Alachlor diss (µg/L)	Alpha HCH diss (µg/L)	Atrazine diss (µg/L)	Azinphos-methyl diss (µg/L)	Benfluralin diss (µg/L)	Butylate diss (µg/L)	Carbaryl diss (µg/L)	Carbofuran diss (µg/L)	Chlorpyrifos diss (µg/L)	Cyanazine diss (µg/L)	Dachtal diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued												
MAY (cont.)												
14	1045	--	--	--	--	--	--	--	--	--	--	--
21	1045	0.235	--	3.34	<0.038	--	0.053	<0.046	<0.013	<0.005	0.599	--
29	1030	0.069	--	0.658	<0.038	--	<0.008	<0.046	0.016	<0.005	0.144	--
JUNE												
04	1135	0.326	--	1.97	<0.038	--	0.020	<0.046	0.042	<0.005	0.390	--
11	1045	0.267	--	2.13	<0.038	--	0.011	<0.046	0.011	<0.005	0.370	--
18	1040	0.347	--	1.83	<0.038	--	0.006	<0.046	0.007	<0.005	0.641	--
25	0946	0.153	--	1.36	<0.038	--	0.005	<0.046	<0.013	<0.005	0.302	--
JULY 1991												
01	0950	0.119	--	0.808	<0.038	--	0.007	<0.046	<0.013	<0.005	0.113	--
09	1030	0.083	--	0.797	<0.038	--	<0.008	<0.046	<0.013	0.006	0.117	--
15	1100	0.054	--	0.699	<0.038	--	<0.008	0.037	<0.013	<0.005	0.150	--
22	1040	--	--	--	--	--	--	--	--	--	--	--
29	1110	--	--	--	--	--	--	--	--	--	--	--
AUGUST												
05	1050	--	--	--	--	--	--	--	--	--	--	--
12	1030	0.017	--	0.388	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.074	--
20	1030	0.009	--	0.353	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.055	--
27	0945	0.006	--	0.199	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.030	--
SEPTEMBER												
03	1040	0.006	--	0.211	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.031	--
10	1030	<0.009	--	0.197	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.021	--
17	0952	0.007	--	0.188	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.019	--
23	1040	0.010	--	0.231	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.025	--
30	1122	<0.009	--	0.180	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.024	--
OCTOBER 1991												
07	1125	<0.009	--	0.104	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.020	--
15	0955	0.004	--	0.131	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.020	--
21	1020	<0.009	--	0.148	<0.038	--	<0.008	0.099	<0.013	<0.005	0.024	--
29	0930	0.005	--	0.243	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.054	--
NOVEMBER												
06	1040	--	--	--	--	--	--	--	--	--	--	--
20	0920	0.009	--	0.173	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.034	--
DECEMBER												
05	1045	0.009	--	0.144	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.024	--
17	1010	<0.009	--	0.054	<0.038	--	<0.008	<0.046	<0.013	<0.005	<0.050	--
JANUARY 1992												
02	1005	<0.009	--	0.071	<0.038	--	<0.008	<0.046	<0.013	<0.005	0.012	--
21	1030	0.006	<0.007	0.061	<0.038	<0.013	<0.008	0.006	<0.013	<0.005	<0.013	<0.004
FEBRUARY												
04	1125	0.005	<0.007	0.047	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.014	<0.004
18	1025	0.006	<0.007	0.062	<0.038	<0.013	<0.008	<0.046	<0.013	<0.005	0.024	<0.004
MARCH 1992												
03	1025	0.004	<0.007	0.038	<0.038	<0.008	<0.008	0.007	<0.013	<0.005	0.020	<0.004
11	1030	0.003	<0.007	0.037	<0.038	<0.008	<0.008	0.008	<0.013	<0.005	0.007	<0.004
16	1040	0.004	<0.007	0.050	<0.038	<0.008	<0.008	<0.046	<0.013	<0.005	<0.013	<0.004
24	1020	0.007	<0.007	0.079	<0.038	<0.008	<0.008	0.005	<0.013	<0.005	0.011	<0.004
31	1030	0.007	<0.007	0.076	<0.038	<0.008	<0.008	0.004	<0.013	<0.005	0.012	<0.004

Table 8.--Pesticide results from soiid-phase extraction 1-iiter method--Continued

Date	Time	Aiachior diss (µg/L)	Aipha HCH disa (µg/L)	Atra-zina diss (µg/L)	Azin-phos-methyi diss (µg/L)	Ben-fluralin diss (µg/L)	Butylata diss (µg/L)	Carbaryi diss (µg/L)	Carbo-furan diss (µg/L)	Chior-pyrifos diss (µg/L)	Cyana-zine diss (µg/L)	Dachtal diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued												
APRIL												
07	1015	0.009	<0.007	0.110	<0.038	<0.008	<0.008	0.005	<0.013	0.011	0.023	<0.004
14	1035	0.007	<0.007	0.090	<0.038	<0.008	<0.008	0.002	<0.013	<0.005	0.016	<0.004
22	1040	0.170	<0.007	1.60	<0.038	<0.008	0.030	0.003	<0.013	<0.005	0.460	<0.004
28	1104	0.180	<0.007	1.50	<0.038	<0.008	0.010	<0.046	<0.013	<0.005	0.570	<0.004
MAY												
06	0953	0.039	<0.007	0.530	<0.038	<0.008	0.021	0.003	<0.013	0.027	0.140	<0.004
12	0955	0.024	<0.007	0.280	<0.038	<0.008	0.017	<0.046	<0.013	0.018	0.072	<0.004
18	1025	0.018	<0.007	0.230	<0.038	<0.008	0.020	<0.046	<0.013	0.021	0.054	<0.004
27	1030	0.180	<0.007	1.30	<0.038	<0.008	0.031	<0.046	0.024	0.027	0.460	0.001
JUNE 1992												
02	1045	0.360	<0.007	3.20	<0.038	<0.008	0.040	<0.046	0.074	0.038	0.550	0.001
09	1105	0.048	<0.007	0.670	<0.038	<0.008	0.014	<0.046	<0.013	0.014	0.140	0.001
16	1105	0.022	<0.007	0.320	<0.038	<0.008	0.004	<0.046	<0.013	0.014	0.052	<0.004
23	1023	0.029	<0.007	0.430	<0.038	<0.008	0.003	<0.046	<0.013	0.006	0.120	0.001
29	1235	0.059	<0.007	0.760	<0.038	<0.008	0.006	<0.046	<0.013	0.018	0.180	0.001
JULY												
08	1012	0.140	<0.007	0.600	<0.038	<0.008	0.006	<0.046	<0.013	0.024	0.120	<0.004
14	1025	0.120	<0.007	0.800	<0.038	<0.008	<0.008	<0.046	<0.013	0.037	0.170	<0.004
23	1040	0.082	<0.007	0.850	<0.038	<0.008	<0.008	<0.046	<0.013	0.012	0.220	0.005
28	1025	0.100	<0.007	1.00	<0.038	0.003	<0.008	<0.046	<0.013	0.038	0.230	0.002

Dste	Tima	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diei-drin diss (µg/L)	2,6-Diethyi-ansiine diss (µg/L)	Dim-ethoate diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethai-fiuraiin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa													
APRIL 1991													
02	1040	--	--	--	--	--	--	--	--	--	--	--	--
11	1100	--	--	--	--	--	--	--	--	--	--	--	--
16	1150	--	--	--	--	--	--	--	--	--	--	--	--
23	1030	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1150	--	--	--	--	--	--	--	--	--	--	--	--
07	1115	<0.010	<0.008	<0.008	--	--	<0.008	0.014	--	<0.012	<0.008	<0.011	<0.039
10	1030	--	--	--	--	--	--	--	--	--	--	--	--
14	1120	--	--	--	--	--	--	--	--	--	--	--	--
17	1045	<0.010	<0.008	<0.008	--	--	<0.008	0.009	--	<0.012	0.005	<0.011	<0.039
21	1140	--	--	--	--	--	--	--	--	--	--	--	--
24	1205	<0.010	<0.008	<0.008	--	--	<0.008	0.070	--	<0.012	0.006	<0.011	<0.039
28	1210	<0.010	<0.008	<0.008	--	--	<0.008	0.023	--	<0.012	0.007	<0.011	<0.039
31	1015	<0.010	<0.008	<0.008	--	--	<0.008	0.012	--	<0.012	0.003	<0.011	<0.039
JUNE 1991													
04	1300	<0.010	<0.008	<0.008	--	--	<0.008	0.011	--	<0.012	0.004	<0.011	<0.039
07	1100	<0.010	<0.008	<0.008	--	--	<0.008	0.010	--	<0.012	0.003	<0.011	<0.039
10	1130	<0.010	<0.008	<0.008	--	--	<0.008	0.013	--	<0.012	<0.008	<0.011	<0.039
13	1410	<0.010	<0.008	<0.008	--	--	<0.008	0.008	--	<0.012	<0.008	<0.011	<0.039
17	1040	<0.010	<0.008	<0.008	--	--	<0.008	0.006	--	<0.012	0.023	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diei-drin diss (µg/L)	2,6-Dethyl-analina diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethal-fluralin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa--Continued													
JUNE 1991 (cont.)													
20	1345	<0.010	<0.008	<0.008	--	--	<0.008	0.008	--	<0.012	0.007	<0.011	<0.039
24	1055	<0.010	<0.008	<0.008	--	--	<0.008	0.005	--	<0.012	0.004	<0.011	<0.039
27	0915	<0.010	<0.008	<0.008	--	--	<0.008	0.008	--	<0.012	<0.008	<0.011	<0.039
JULY													
01	1025	<0.010	<0.008	<0.008	--	--	<0.008	0.004	--	<0.012	<0.008	<0.011	<0.039
05	1205	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1130	<0.010	<0.008	<0.008	--	--	<0.008	0.003	--	<0.012	<0.008	<0.011	<0.039
11	1300	--	--	--	--	--	--	--	--	--	--	--	--
15	1025	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	1200	--	--	--	--	--	--	--	--	--	--	--	--
22	1050	--	--	--	--	--	--	--	--	--	--	--	--
29	1230	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST 1991													
06	1240	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
12	1125	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.001	<0.011	<0.039
19	1145	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
26	1205	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER													
03	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
09	1500	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	1215	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1215	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
01	1200	--	--	--	--	--	--	-	--	--	--	--	--
07	1230	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1300	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1230	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	1330	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER 1991													
05	1245	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
12	1255	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
26	1320	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER													
09	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1330	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
07	1210	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
22	1340	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
03	1245	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
20	1230	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
04	1100	--	--	--	--	--	--	--	--	--	--	--	--
13	1200	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
17	1400	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1125	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
30	1155	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Data	Time	DDE diss (µg/L)	Diazinon diss (µg/L)	Dieldrin diss (µg/L)	2,6-Diethylanaline diss (µg/L)	Dimethoate diss (µg/L)	Disulfoton diss (µg/L)	EPTC diss (µg/L)	Ethalfluralin diss (µg/L)	Ethoprop diss (µg/L)	Fonofos diss (µg/L)	Lindane diss (µg/L)	Linuron diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa--Continued													
APRIL 1992													
06	1215	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
14	1130	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1145	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1145	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MAY													
05	1115	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
12	1130	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	0.013	<0.013	<0.012	<0.008	<0.011	<0.039
19	1130	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	0.015	<0.013	<0.012	<0.008	<0.011	<0.039
26	1215	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	0.026	<0.013	<0.012	<0.008	<0.011	<0.039
05586100 - Illinois River at Valley City													
APRIL 1991													
05	1230	--	--	--	--	--	--	--	--	--	--	--	--
17	1330	--	--	--	--	--	--	--	--	--	--	--	--
26	1000	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03	1545	<0.010	<0.008	<0.008	--	--	<0.008	0.057	--	<0.012	<0.008	<0.011	<0.039
08	1245	<0.010	<0.008	<0.008	--	--	<0.008	0.203	--	<0.012	0.037	<0.011	<0.039
10	1100	--	--	--	--	--	--	--	--	--	--	--	--
17	1145	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
19	1115	<0.010	0.015	<0.008	--	--	<0.008	0.041	--	<0.012	0.020	<0.011	<0.039
22	1715	<0.010	0.011	0.014	--	--	<0.008	0.035	--	<0.012	0.029	<0.011	<0.039
29	1130	<0.010	0.009	0.010	--	--	<0.008	0.061	--	<0.012	0.033	<0.011	<0.039
31	1045	<0.010	0.007	0.009	--	--	<0.008	0.015	--	<0.012	0.021	<0.011	<0.039
JUNE 1991													
04	1215	<0.010	0.011	0.007	--	--	<0.008	0.011	--	<0.012	0.014	<0.011	<0.039
06	1200	<0.010	0.014	<0.008	--	--	<0.008	0.008	--	<0.012	0.011	<0.011	<0.039
11	1345	<0.010	0.016	0.004	--	--	<0.008	0.006	--	<0.012	0.008	<0.011	<0.039
14	1200	<0.010	0.014	0.005	--	--	<0.008	0.003	--	<0.012	0.006	<0.011	<0.039
18	1130	<0.010	0.017	0.010	--	--	<0.008	<0.005	--	<0.012	0.006	<0.011	<0.039
20	1130	<0.010	0.021	<0.008	--	--	<0.008	<0.005	--	<0.012	0.007	<0.011	<0.039
24	1130	<0.010	0.015	<0.008	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
27	1100	<0.010	0.012	<0.008	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
JULY													
01	0930	<0.010	0.016	0.009	--	--	<0.008	0.005	--	<0.012	<0.008	<0.011	<0.039
03	1100	<0.010	0.016	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
09	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
11	1045	<0.010	0.013	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	1115	--	--	--	--	--	--	--	--	--	--	--	--
25	1340	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
31	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST 1991													
06	1015	<0.010	0.017	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
13	1200	<0.010	0.032	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
21	1230	<0.010	0.025	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
28	1015	<0.010	0.023	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER													
03	1050	<0.010	0.035	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
10	1200	<0.010	0.055	<0.008	--	--	<0.008	<0.005	--	<0.012	0.001	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diel-drin diss (µg/L)	2,6-Dethyl-analine diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethal-fluralin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
05586100 - Illinois River at Valley City--Continued													
SEPTEMBER (cont.)													
17	1100	<0.010	0.035	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1100	<0.010	0.036	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
01	1130	<0.010	0.050	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1330	<0.010	0.082	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1215	<0.010	0.058	0.010	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1130	<0.010	0.085	0.011	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER													
05	1140	<0.010	0.077	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1130	<0.010	0.050	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER 1991													
03	1030	<0.010	0.019	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	1200	<0.010	0.018	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
02	1330	<0.010	0.016	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1645	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
30	1345	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
12	1200	0.004	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1245	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
03	1100	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
10	1015	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
17	1050	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
25	1045	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
06805500 - Platte River at Louisville, Nebr.													
APRIL 1991													
09	1250	--	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--	--
24	1030	--	--	--	--	--	--	--	--	--	--	--	--
29	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
MAY													
06	1115	<0.010	<0.008	<0.008	--	--	<0.008	0.017	--	<0.012	<0.008	<0.011	<0.039
09	0940	<0.010	<0.008	<0.008	--	--	<0.008	0.008	--	<0.012	<0.008	<0.011	<0.039
13	1110	--	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--	--
21	0945	<0.010	<0.008	<0.008	--	--	<0.008	0.023	--	<0.012	0.075	<0.011	<0.039
24	0740	<0.010	<0.008	<0.008	--	--	<0.008	0.005	--	<0.012	0.007	<0.011	<0.039
29	1015	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.003	<0.011	<0.039
31	0735	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.011	<0.011	<0.039
JUNE 1991													
04	0800	<0.010	<0.008	<0.008	--	--	<0.008	0.004	--	<0.012	0.017	<0.011	<0.039
07	1415	<0.010	0.003	<0.008	--	--	<0.008	0.003	--	<0.012	0.043	<0.011	<0.039
11	1045	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.009	<0.011	<0.039
14	0750	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	0.012	<0.011	<0.039
18	0935	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	0.009	<0.011	<0.039
21	1020	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diel-drin diss (µg/L)	2,6-Dethyi-ansiine diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethsi-fluraiin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
06805500 - Platte River at Louisville, Nebr.--Continued													
JUNE 1991 (cont.)													
24	1110	<0.010	0.018	<0.008	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
27	1020	<0.010	0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.006	<0.011	<0.039
JULY													
01	0950	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
03	0950	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	0.042	<0.011	<0.039
08	1100	<0.010	0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.009	<0.011	<0.039
11	1020	<0.010	0.044	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	0950	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
25	1000	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	0940	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST 1991													
06	1130	<0.010	0.019	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
12	1115	<0.010	0.019	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1000	<0.010	0.017	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	0940	0.003	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER													
03	0950	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
10	1030	<0.010	0.023	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	1115	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1135	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
01	1115	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1130	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER													
05	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
19	1140	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER 1991													
05	1130	--	--	--	--	--	--	--	--	--	--	--	--
20	1000	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
30	1020	0.002	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
14	1000	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1000	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
11	1030	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
27	1000	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
05	1010	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
09	0945	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
17	1145	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
23	1040	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
31	1100	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
APRIL 1992													
07	1100	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
14	1010	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diel-drin diss (µg/L)	2,6-Dethyl-analine diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC disa (µg/L)	Ethal-fluralin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
06805500 - Platte River at Louisville, Nebr.--Continued													
APRIL 1992 (cont.)													
23	1020	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
29	1030	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MAY													
07	1100	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
06934500 - Missouri River at Hermann, Mo.													
APRIL 1991													
09	1331	--	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--	--
24	1200	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1130	--	--	--	--	--	--	--	--	--	--	--	--
06	1100	<0.010	<0.008	0.036	--	--	<0.008	0.006	--	<0.012	<0.008	<0.011	<0.039
09	0930	--	--	--	--	--	--	--	--	--	--	--	--
13	1000	--	--	--	--	--	--	--	--	--	--	--	--
16	1020	<0.010	<0.008	<0.008	--	--	<0.008	0.005	--	<0.012	0.006	<0.011	<0.039
20	1000	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1000	<0.010	<0.008	<0.008	--	--	<0.008	0.030	--	<0.012	0.005	<0.011	<0.039
28	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
31	1040	<0.010	<0.008	<0.008	--	--	<0.008	0.005	--	<0.012	0.003	<0.011	<0.039
JUNE 1991													
03	1000	<0.010	<0.008	0.008	--	--	<0.008	0.005	--	<0.012	<0.008	<0.011	<0.039
06	1000	<0.010	0.004	0.005	--	--	<0.008	<0.005	--	<0.012	0.004	<0.011	<0.039
11	1000	<0.010	0.004	<0.008	--	--	<0.008	0.004	--	<0.012	0.003	<0.011	<0.039
13	1000	<0.010	0.003	0.003	--	--	<0.008	<0.005	--	<0.012	0.004	<0.011	<0.039
21	1000	<0.010	0.012	<0.008	--	--	<0.008	<0.005	--	<0.012	0.011	<0.011	<0.039
25	1130	<0.010	0.010	0.005	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
27	1045	<0.010	<0.008	0.007	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JULY													
01	1100	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
03	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
11	1000	<0.010	0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1015	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST 1991													
05	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
13	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
19	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER 1991													
05	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
09	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
16	1000	0.008	0.013	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
23	0945	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
01	1030	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
07	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Diazinon diss (µg/L)	Dieldrin diss (µg/L)	2,6-Dethylanaline diss (µg/L)	Dimethoate diss (µg/L)	Disulfoton diss (µg/L)	EPTC diss (µg/L)	Ethalfluralin diss (µg/L)	Ethoprop diss (µg/L)	Fonofos diss (µg/L)	Lindane diss (µg/L)	Linuron diss (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continned													
OCTOBER (cont.)													
15	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
21	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER 1991													
04	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
21	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER													
06	1240	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
16	1130	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
02	1030	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
16	1200	0.002	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1300	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
10	1000	0.003	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1200	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
03	1100	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
12	1200	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
20	0830	0.003	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
26	1130	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
APRIL 1992													
01	1000	<0.010	0.006	<0.008	<0.008	<0.024	<0.008	0.011	<0.013	<0.012	<0.008	<0.011	<0.039
06	1230	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
14	1030	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	0.005	<0.013	<0.012	<0.008	<0.011	<0.039
21	1300	0.003	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
29	1015	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MAY													
12	1000	0.003	0.005	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
21	1200	<0.010	0.003	<0.008	0.001	<0.024	<0.008	0.006	<0.013	<0.012	<0.008	<0.011	<0.039
26	1130	<0.010	0.004	<0.008	0.001	<0.024	<0.008	0.016	<0.013	<0.012	0.004	<0.011	<0.039
JUNE													
01	1330	0.002	0.002	<0.008	0.002	<0.024	<0.008	0.007	<0.013	<0.012	<0.008	<0.011	<0.039
09	1030	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
15	1230	<0.010	0.005	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
22	0945	0.001	0.001	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
30	1130	<0.010	0.002	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
JULY 1992													
07	0930	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	0.007	<0.013	<0.012	<0.008	<0.011	<0.039
14	1200	<0.010	0.008	<0.008	0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
21	1030	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1230	<0.010	<0.008	<0.008	<0.008	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
07022000 - Mississippi River at Thebes, Ill.													
APRIL 1991													
11	1500	--	--	--	--	--	--	--	--	--	--	--	--
18	1130	--	--	--	--	--	--	--	--	--	--	--	--
24	0930	--	--	--	--	--	--	--	--	--	--	--	--
29	1230	--	--	--	--	--	--	--	--	--	--	--	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Diazinon diss (µg/L)	Dieldrin diss (µg/L)	2,6-Dethyl-analine diss (µg/L)	Dimethoate diss (µg/L)	Disulfoton diss (µg/L)	EPTC diss (µg/L)	Ethalfluralin diss (µg/L)	Ethoprop diss (µg/L)	Fonofos diss (µg/L)	Lindane diss (µg/L)	Linuron diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued													
MAY													
07	1345	<0.010	<0.008	<0.008	--	--	<0.008	0.018	--	<0.012	0.010	<0.011	<0.039
09	0900	<0.010	<0.008	<0.008	--	--	<0.008	0.013	--	<0.012	<0.008	<0.011	<0.039
13	1330	--	--	--	--	--	--	--	--	--	--	--	--
16	1200	<0.010	<0.008	<0.008	--	--	<0.008	0.021	--	<0.012	<0.008	<0.011	<0.039
20	1430	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
23	0916	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.005	<0.011	<0.039
28	1300	<0.010	0.005	0.005	--	--	<0.008	0.015	--	<0.012	0.007	<0.011	<0.039
30	1330	<0.010	<0.008	0.005	--	--	<0.008	0.016	--	<0.012	0.005	<0.011	<0.039
JUNE 1991													
03	1345	<0.010	<0.008	0.007	--	--	<0.008	0.012	--	<0.012	0.005	<0.011	<0.039
06	1045	<0.010	<0.008	0.008	--	--	<0.008	0.007	--	<0.012	0.006	<0.011	<0.039
10	1400	<0.010	0.003	0.003	--	--	<0.008	0.004	--	<0.012	0.004	<0.011	<0.039
13	1500	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	1430	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1100	<0.010	0.010	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1300	<0.010	<0.008	0.006	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	1400	<0.010	<0.008	<0.008	--	--	<0.008	0.004	--	<0.012	0.005	<0.011	<0.039
JULY													
01	1320	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
03	0950	<0.010	0.015	0.009	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1330	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
11	1400	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	0930	--	--	--	--	--	--	--	--	--	--	--	--
23	1300	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST 1991													
06	1300	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
13	0930	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1330	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	1100	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER													
03	1500	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
11	1000	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	1400	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
26	0930	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
02	1300	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
09	1030	<0.010	0.014	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
16	1430	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
23	0945	<0.010	0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1400	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER 1991													
07	0800	<0.010	0.012	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER													
05	1045	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
18	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1400	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diel-drin diss (µg/L)	2,6-Dethyl-analine diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethal-fluralin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued													
JANUARY 1992													
24	0930	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
04	1030	0.003	<0.008	<0.008	0.004	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
19	0930	<0.010	<0.008	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
04	0945	<0.010	<0.008	<0.008	0.002	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
09	1300	<0.010	<0.008	<0.008	0.002	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
18	0945	<0.010	<0.008	<0.008	0.002	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1330	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
APRIL 1992													
02	0930	<0.010	0.010	<0.008	0.002	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
07	1330	<0.010	<0.008	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
15	1030	<0.010	<0.008	<0.008	0.002	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
23	1330	<0.010	0.010	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
29	1100	<0.010	0.010	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MAY													
06	1300	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
14	0930	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	0.008	<0.013	<0.012	<0.008	<0.011	<0.039
19	1300	<0.010	<0.008	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	0900	<0.010	0.006	<0.008	0.001	<0.024	<0.008	0.006	<0.013	<0.012	<0.008	<0.011	<0.039
JUNE													
02	1300	<0.010	0.005	<0.008	0.002	<0.024	<0.008	0.011	<0.013	<0.012	<0.008	<0.011	<0.039
09	0930	<0.010	0.012	<0.008	0.006	<0.024	<0.008	0.007	<0.013	<0.012	<0.008	<0.011	<0.039
16	1330	<0.010	<0.008	<0.008	0.001	<0.024	<0.008	0.003	<0.013	<0.012	<0.008	<0.011	<0.039
25	1000	<0.010	<0.008	<0.008	0.001	<0.024	<0.008	0.004	<0.013	<0.012	<0.008	<0.011	<0.039
JULY 1992													
01	1300	<0.010	0.004	<0.008	0.001	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
09	0915	<0.010	<0.008	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
15	1230	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
23	1000	<0.010	0.008	0.002	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1300	0.003	<0.008	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
03374100 - White River at Hazleton, Ind.													
MAY 1991													
01	1000	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
06	1115	<0.010	0.006	<0.008	--	--	<0.008	0.006	--	<0.012	<0.008	<0.011	<0.039
09	1215	<0.010	<0.008	<0.008	--	--	<0.008	0.007	--	<0.012	<0.008	<0.011	<0.039
13	1300	--	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--	--
20	1045	<0.010	0.010	<0.008	--	--	<0.008	0.022	--	<0.012	0.010	<0.011	<0.039
23	1100	<0.010	0.016	<0.008	--	--	<0.008	0.027	--	<0.012	0.006	<0.011	<0.039
28	1100	<0.010	0.050	<0.008	--	--	<0.008	<0.005	--	<0.012	0.032	<0.011	<0.039
30	1200	<0.010	0.012	0.008	--	--	<0.008	0.010	--	<0.012	0.030	<0.011	<0.039
JUNE													
03	1200	<0.010	<0.008	<0.008	--	--	<0.008	0.004	--	<0.012	0.014	<0.011	<0.039
06	1145	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	0.004	<0.011	<0.039
10	1200	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
13	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	0.123

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE disa (µg/L)	Dia-zinon diss (µg/L)	Diei-drin dias (µg/L)	2,6-Dethyi-analine diss (µg/L)	Dim-ethoat e diss (µg/L)	Diaui-foton diss (µg/L)	EPTC diss (µg/L)	Ethai-fiuraiin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofoa diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron disa (µg/L)
03374100 - White River at Hazleton, Ind.--Continued													
JUNE (cont.)													
17	1200	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1130	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1215	<0.010	0.011	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	1130	<0.010	0.010	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JULY 1991													
01	1145	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
03	1100	<0.010	0.010	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1200	<0.010	0.011	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
11	1130	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1200	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	0.003	<0.011	<0.039
18	1300	<0.010	0.013	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1300	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
25	1200	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1145	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
AUGUST													
01	1145	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
06	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1300	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
12	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1200	<0.010	0.010	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
19	1115	<0.010	0.011	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1230	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
26	1245	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	1200	<0.010	0.009	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER 1991													
09	1100	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
12	1100	<0.010	0.006	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
19	1130	<0.010	0.007	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
26	1200	<0.010	0.019	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
OCTOBER													
03	1000	<0.010	0.010	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
08	1100	<0.010	0.011	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	1100	<0.010	0.017	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
24	1100	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
28	1130	<0.010	0.012	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1130	<0.010	0.014	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER													
04	1130	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
13	1025	<0.010	0.030	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	1200	<0.010	0.024	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER													
18	1200	<0.010	0.015	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
02	1200	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
16	1235	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
30	1243	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Diazinon diss (µg/L)	Dieldrin diss (µg/L)	2,6-Diethylanaline diss (µg/L)	Dimethoate diss (µg/L)	Disulfoton diss (µg/L)	EPTC diss (µg/L)	Ethalfluraiin diss (µg/L)	Ethoprop diss (µg/L)	Fonofos diss (µg/L)	Lindane diss (µg/L)	Linuron diss (µg/L)
03374100 - White River at Hazleton, Ind.--Continued													
FEBRUARY													
13	1240	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
27	1200	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH													
05	1130	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
12	1115	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
19	1133	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
26	1128	0.003	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
APRIL													
02	1135	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
09	1102	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
16	1112	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
20	1030	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1035	<0.010	<0.008	<0.008	0.001	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
29	1100	<0.010	0.011	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.													
APRIL 1991													
10	1200	--	--	--	--	--	--	--	--	--	--	--	--
18	1045	--	--	--	--	--	--	--	--	--	--	--	--
23	1110	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1040	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
07	1022	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
14	1045	--	--	--	--	--	--	--	--	--	--	--	--
21	1045	<0.010	<0.008	<0.008	--	--	<0.008	0.009	--	<0.012	<0.008	<0.011	<0.039
29	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JUNE													
04	1135	<0.010	0.006	<0.008	--	--	<0.008	0.015	--	<0.012	<0.008	<0.011	<0.039
11	1045	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	0.006	<0.011	<0.039
18	1040	<0.010	<0.008	<0.008	--	--	<0.008	0.003	--	<0.012	<0.008	<0.011	<0.039
25	0946	<0.010	0.006	<0.008	--	--	<0.008	0.003	--	<0.012	<0.008	<0.011	<0.039
JULY 1991													
01	0950	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
09	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	1100	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
22	1040	--	--	--	--	--	--	--	--	--	--	--	--
29	1110	--	--	--	--	--	--	--	--	--	--	--	--
AUGUST													
05	1050	--	--	--	--	--	--	--	--	--	--	--	--
12	1030	<0.010	0.005	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
20	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
27	0945	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
SEPTEMBER													
03	1040	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
10	1030	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	0952	0.030	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
23	1040	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
30	1122	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	DDE diss (µg/L)	Dia-zinon diss (µg/L)	Diel-drin diss (µg/L)	2,6-Dethyi-analine diss (µg/L)	Dim-ethoat e diss (µg/L)	Disul-foton diss (µg/L)	EPTC diss (µg/L)	Ethal-fluralin diss (µg/L)	Etho-prop diss (µg/L)	Fon-ofos diss (µg/L)	Lin-dane diss (µg/L)	Lin-uron diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continned													
OCTOBER 1991													
07	1125	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
15	0955	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
21	1020	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
29	0930	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
NOVEMBER													
06	1040	--	--	--	--	--	--	--	--	--	--	--	--
20	0920	<0.010	0.004	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
DECEMBER													
05	1045	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
17	1010	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
JANUARY 1992													
02	1005	<0.010	<0.008	<0.008	--	--	<0.008	<0.005	--	<0.012	<0.008	<0.011	<0.039
21	1030	<0.010	<0.008	<0.008	0.001	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
FEBRUARY													
04	1125	0.004	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
18	1025	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
MARCH 1992													
03	1025	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
11	1030	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
16	1040	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
24	1020	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
31	1030	0.003	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
APRIL													
07	1015	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
14	1035	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
22	1040	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1104	0.003	0.010	<0.008	<0.006	<0.024	<0.008	0.004	<0.013	<0.012	<0.008	<0.011	<0.039
MAY													
06	0953	0.001	0.006	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
12	0955	0.004	0.005	<0.008	<0.006	<0.024	<0.008	0.003	<0.013	<0.012	<0.008	<0.011	<0.039
18	1025	<0.010	<0.008	<0.008	<0.006	<0.024	<0.008	0.004	<0.013	<0.012	<0.008	<0.011	<0.039
27	1030	0.001	0.006	<0.008	<0.006	<0.024	<0.008	0.004	<0.013	<0.012	<0.008	<0.011	<0.039
JUNE 1992													
02	1045	<0.010	0.005	<0.008	<0.006	<0.024	<0.008	0.003	<0.013	<0.012	0.004	<0.011	<0.039
09	1105	<0.010	0.002	<0.008	<0.006	<0.024	<0.008	0.001	<0.013	<0.012	<0.008	<0.011	<0.039
16	1105	0.001	0.002	<0.008	<0.006	<0.024	<0.008	0.001	<0.013	<0.012	<0.008	<0.011	<0.039
23	1023	<0.010	0.003	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	0.001	<0.011	<0.039
29	1235	<0.010	0.006	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	0.002	<0.011	<0.039
JULY													
08	1012	0.001	0.003	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	0.002	<0.011	<0.039
14	1025	0.002	0.006	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	0.001	<0.011	<0.039
23	1040	<0.010	0.010	<0.008	<0.006	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039
28	1025	0.004	0.007	<0.008	0.003	<0.024	<0.008	<0.005	<0.013	<0.012	<0.008	<0.011	<0.039

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion disa (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa													
APRIL 1991													
02	1040	--	--	--	--	--	--	--	--	--	--	--	--
11	1100	--	--	--	--	--	--	--	--	--	--	--	--
16	1150	--	--	--	--	--	--	--	--	--	--	--	--
23	1030	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1150	--	--	--	--	--	--	--	--	--	--	--	--
07	1115	<0.014	<0.035	0.053	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1030	--	--	--	--	--	--	--	--	--	--	--	--
14	1120	--	--	--	--	--	--	--	--	--	--	--	--
17	1045	<0.014	<0.035	0.073	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1140	--	--	--	--	--	--	--	--	--	--	--	--
24	1205	<0.014	<0.035	0.502	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1210	<0.014	<0.035	0.315	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
31	1015	<0.014	<0.035	0.219	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE													
04	1300	<0.014	<0.035	0.413	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
07	1100	<0.014	<0.035	0.236	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1130	<0.014	<0.035	0.288	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1410	<0.014	<0.035	0.221	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1040	<0.014	<0.035	0.735	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1345	<0.014	<0.035	0.996	0.013	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1055	<0.014	<0.035	1.04	0.017	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	0915	<0.014	<0.035	1.11	0.017	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JULY													
01	1025	<0.014	<0.035	0.848	0.011	--	--	<0.022	--	<0.018	<0.016	<0.011	--
05	1205	<0.014	<0.035	0.514	0.007	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1130	<0.014	<0.035	0.327	0.006	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1300	--	--	--	--	--	--	--	--	--	--	--	--
15	1025	<0.014	<0.035	0.420	0.011	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1200	--	--	--	--	--	--	--	--	--	--	--	--
22	1050	--	--	--	--	--	--	--	--	--	--	--	--
29	1230	<0.014	<0.035	0.171	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST													
06	1240	<0.014	<0.035	0.167	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
12	1125	<0.014	<0.035	0.141	<0.012	--	--	<0.022	--	0.007	<0.016	<0.011	--
19	1145	<0.014	<0.035	0.135	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
26	1205	<0.014	<0.035	0.101	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER													
03	1200	<0.014	<0.035	0.073	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1500	<0.014	<0.035	0.072	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1215	<0.014	<0.035	0.072	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1215	<0.014	<0.035	0.035	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER													
01	1200	--	--	--	--	--	--	--	--	--	--	--	--
07	1230	<0.014	<0.035	0.065	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1300	<0.014	<0.035	0.065	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1230	<0.014	<0.035	0.037	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1330	<0.014	<0.035	0.032	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide disa (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa--Continued													
NOVEMBER													
05	1245	<0.014	<0.035	0.029	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
12	1255	<0.014	<0.035	0.018	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
26	1320	<0.014	<0.035	0.019	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER													
09	1200	<0.014	<0.035	0.027	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1330	<0.014	<0.035	0.024	0.006	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
07	1210	<0.014	<0.035	0.012	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
22	1340	<0.014	<0.035	0.016	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
FEBRUARY													
03	1245	<0.014	<0.035	0.010	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
20	1230	<0.014	<0.035	0.024	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.005
MARCH													
04	1100	--	--	--	--	--	--	--	--	--	--	--	--
13	1200	<0.014	<0.035	0.028	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
17	1400	<0.014	<0.035	0.024	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
24	1125	<0.014	<0.035	0.040	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
30	1155	<0.014	<0.035	0.031	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.007
APRIL													
06	1215	<0.014	<0.035	0.025	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.007
14	1130	<0.014	<0.035	0.023	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
24	1145	<0.014	<0.035	0.091	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
28	1145	<0.014	<0.035	0.025	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
MAY													
05	1115	<0.014	<0.035	0.021	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
12	1130	<0.014	<0.035	0.032	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
19	1130	<0.014	<0.035	0.043	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
26	1215	<0.014	<0.035	0.059	0.006	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.006
05586100 - Illinois River at Valley City													
APRIL 1991													
26	1215	--	--	--	--	--	--	--	--	--	--	--	--
05	1230	--	--	--	--	--	--	--	--	--	--	--	--
17	1330	--	--	--	--	--	--	--	--	--	--	--	--
26	1000	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03	1545	<0.014	<0.035	0.889	0.012	--	--	<0.022	--	0.002	<0.016	<0.011	--
08	1245	<0.014	<0.035	5.10	0.115	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1100	--	--	--	--	--	--	--	--	--	--	--	--
17	1145	<0.014	<0.035	0.649	0.025	--	--	<0.022	--	<0.018	<0.016	<0.011	--
19	1115	<0.014	<0.035	3.19	0.034	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1715	<0.014	<0.035	4.61	0.080	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1130	<0.014	<0.035	4.55	0.016	--	--	<0.022	--	<0.018	<0.016	<0.011	--
31	1045	<0.014	<0.035	2.56	0.069	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE 1991													
04	1215	<0.014	<0.035	2.70	0.057	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1200	<0.014	<0.035	1.47	0.025	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1345	<0.014	<0.035	1.91	0.035	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
05586100 - Illinois River at Valley City--Continued													
JUNE 1991 (cont.)													
14	1200	<0.014	<0.035	1.53	0.035	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1130	<0.014	<0.035	1.21	0.027	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1130	<0.014	<0.035	1.01	0.036	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1130	<0.014	<0.035	0.777	0.011	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	1100	<0.014	<0.035	0.586	0.016	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JULY													
01	0930	<0.014	<0.035	0.488	0.007	--	--	<0.022	--	<0.018	<0.016	<0.011	--
03	1100	<0.014	<0.035	0.350	0.008	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1000	<0.014	<0.035	0.216	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1045	<0.014	<0.035	0.168	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1115	--	--	--	--	--	--	--	--	--	--	--	--
25	1340	<0.014	<0.035	0.079	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
31	1100	<0.014	<0.035	0.068	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST 1991													
06	1015	<0.014	<0.035	0.087	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1200	<0.014	<0.035	0.091	0.005	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1230	<0.014	<0.035	0.037	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1015	<0.014	<0.035	0.024	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER													
03	1050	<0.014	<0.035	0.027	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1200	<0.014	<0.035	0.057	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1100	<0.014	<0.035	0.054	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1100	<0.014	<0.035	0.033	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER													
01	1130	<0.014	<0.035	0.041	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1330	<0.014	<0.035	0.409	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1215	<0.014	<0.035	0.069	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1130	<0.014	<0.035	0.040	0.005	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
05	1140	<0.014	<0.035	0.148	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1130	<0.014	<0.035	0.091	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER 1991													
03	1030	<0.014	<0.035	0.205	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1200	<0.014	<0.035	0.166	0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
02	1330	<0.014	<0.035	0.109	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1645	<0.014	<0.035	0.110	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.020
30	1345	<0.014	<0.035	0.130	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.019
FEBRUARY													
12	1200	<0.014	<0.035	0.100	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.019
28	1245	<0.014	<0.035	0.140	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.027
MARCH													
03	1100	<0.014	<0.035	0.100	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.025
10	1015	<0.014	<0.035	0.100	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.025
17	1050	<0.014	<0.035	0.140	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.029
25	1045	<0.014	<0.035	0.150	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.022

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
06805500 - Platte River at Louisville, Nebr.													
APRIL 1991													
09	1250	--	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--	--
24	1030	--	--	--	--	--	--	--	--	--	--	--	--
29	1000	<0.014	<0.035	0.216	<0.012	--	--	<0.022	--	<0.018	0.001	<0.011	--
MAY													
06	1115	<0.014	<0.035	0.562	<0.012	--	--	<0.022	--	0.004	<0.016	<0.011	--
09	0940	<0.014	<0.035	0.313	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1110	--	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--	--
21	0945	<0.014	<0.035	5.17	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	0740	<0.014	<0.035	0.902	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1015	<0.014	<0.035	1.35	0.008	--	--	<0.022	--	<0.018	<0.016	<0.011	--
31	0735	<0.014	<0.035	3.40	0.062	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE 1991													
04	0800	<0.014	<0.035	2.61	0.045	--	--	<0.022	--	<0.018	<0.016	<0.011	--
07	1415	<0.014	<0.035	2.42	0.144	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1045	<0.014	<0.035	1.81	0.126	--	--	<0.022	--	<0.018	<0.016	<0.011	--
14	0750	<0.014	<0.035	1.52	0.268	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	0935	<0.014	<0.035	1.04	0.049	--	--	<0.022	--	0.017	<0.016	<0.011	--
21	1020	<0.014	<0.035	0.460	0.020	--	--	<0.022	--	0.004	<0.016	<0.011	--
24	1110	<0.014	<0.035	0.474	0.028	--	--	<0.022	--	0.010	<0.016	<0.011	--
27	1020	<0.014	<0.035	0.249	0.013	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JULY													
01	0950	<0.014	<0.035	0.125	0.008	--	--	<0.022	--	<0.018	<0.016	<0.011	--
03	0950	<0.014	<0.035	0.308	0.009	--	--	<0.022	--	0.014	<0.016	<0.011	--
08	1100	<0.014	<0.035	0.157	0.005	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1020	<0.014	<0.035	0.307	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	0950	<0.014	<0.035	0.297	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
25	1000	<0.014	<0.035	0.104	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	0940	<0.014	<0.035	0.064	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST 1991													
06	1130	<0.014	<0.035	0.049	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
12	1115	<0.014	<0.035	0.053	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1000	<0.014	<0.035	0.059	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	0940	<0.014	<0.035	0.025	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER													
03	0950	<0.014	<0.035	0.020	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1030	<0.014	<0.035	0.020	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1115	<0.014	<0.035	0.070	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1135	<0.014	<0.035	0.018	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER													
01	1115	<0.014	<0.035	0.016	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1030	<0.014	<0.035	0.006	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1130	<0.014	<0.035	0.012	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1200	<0.014	<0.035	0.008	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
05	1200	<0.014	<0.035	0.013	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
19	1140	<0.014	<0.035	0.014	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.–Pesticide results from solid-phase extraction 1-liter method–Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
06805500 - Platte River at Louisville, Nebr.–Continued													
DECEMBER 1991													
05	1130	--	--	--	--	--	--	--	--	--	--	--	--
20	1000	<0.014	<0.035	0.007	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.009
30	1020	<0.014	<0.035	0.025	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.011
JANUARY 1992													
14	1000	<0.014	<0.035	0.014	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.008
28	1000	<0.014	<0.035	0.007	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.008
FEBRUARY													
11	1030	<0.014	<0.035	0.005	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.008
27	1000	<0.014	<0.035	0.009	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
MARCH													
05	1010	<0.014	<0.035	0.012	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
09	0945	<0.014	<0.035	0.014	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
17	1145	<0.014	<0.035	0.024	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
23	1040	<0.014	<0.035	0.013	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
31	1100	<0.014	<0.035	0.018	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
APRIL 1992													
07	1100	<0.014	<0.035	0.019	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
14	1010	<0.014	<0.035	0.060	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
23	1020	<0.014	<0.035	0.050	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.015
29	1030	<0.014	<0.035	0.048	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
MAY													
07	1100	<0.014	<0.035	0.063	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
06934500 - Missouri River at Hermann, Mo.													
APRIL 1991													
09	1331	--	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--	--
24	1200	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1130	--	--	--	--	--	--	--	--	--	--	--	--
06	1100	<0.014	<0.035	1.36	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	0930	--	--	--	--	--	--	--	--	--	--	--	--
13	1000	--	--	--	--	--	--	--	--	--	--	--	--
16	1020	<0.014	<0.035	0.656	0.020	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1000	<0.014	<0.035	0.826	0.016	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1000	<0.014	<0.035	2.51	0.045	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1030	<0.014	<0.035	2.30	0.086	--	--	<0.022	--	<0.018	<0.016	<0.011	--
31	1040	<0.014	<0.035	1.34	0.046	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE 1991													
03	1000	<0.014	<0.035	1.18	0.051	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1000	<0.014	<0.035	1.90	0.069	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1000	<0.014	<0.035	1.28	0.063	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1000	<0.014	<0.035	1.91	0.117	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1000	0.008	<0.035	2.77	0.158	--	--	<0.022	--	0.020	<0.016	<0.011	--
25	1130	<0.014	<0.035	1.84	0.057	--	--	<0.022	--	0.010	<0.016	<0.011	--
27	1045	<0.014	<0.035	0.832	0.041	--	--	<0.022	--	0.010	<0.016	<0.011	--
JULY													
01	1100	<0.014	<0.035	0.740	0.036	--	--	<0.022	--	<0.018	<0.016	<0.011	--
03	1000	<0.014	<0.035	0.384	0.013	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from soiid-phase extraction 1-liter method--Continued

Dete	Time	Maia-thion diss (µg/L)	Methyl para-thion diss (µg/L)	Meto-lachlor diss (µg/L)	Metri-buzin diss (µg/L)	Moiin-ate diss (µg/L)	Neprop-emide diss (µg/L)	Para-thion diss (µg/L)	Pebui-ate diss (µg/L)	Pendi-meth-alin diss (µg/L)	Perme-thrin diss (µg/L)	Pho-rate disa (µg/L)	Prome-ton disa (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continued													
JULY (cont.)													
08	1030	<0.014	<0.035	0.154	0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1000	<0.014	<0.035	0.202	<0.015	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1030	<0.014	<0.035	0.294	0.038	--	--	<0.022	--	0.010	<0.016	<0.011	--
22	1015	<0.014	<0.035	0.194	0.013	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1100	<0.014	<0.035	0.166	0.006	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST 1991													
05	1000	<0.014	<0.035	0.107	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1100	<0.014	<0.035	0.188	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
19	1000	<0.014	<0.035	0.190	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	1100	<0.014	<0.035	0.169	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER													
05	1030	<0.014	<0.035	0.143	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1000	<0.014	<0.035	0.123	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
16	1000	<0.014	<0.035	0.079	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
23	0945	<0.014	<0.035	0.105	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER													
01	1030	<0.014	<0.035	0.055	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
07	1000	<0.014	<0.035	0.053	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1100	<0.014	<0.035	0.066	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1000	<0.014	<0.035	0.080	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1000	<0.014	<0.035	0.078	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
04	1030	<0.014	<0.035	0.088	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1030	<0.014	<0.035	0.280	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER 1991													
06	1240	<0.014	<0.035	0.117	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
16	1130	<0.014	<0.035	0.460	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
02	1030	<0.014	<0.035	0.102	0.005	--	--	<0.022	--	<0.018	<0.016	<0.011	--
16	1200	<0.014	<0.035	0.430	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
28	1300	<0.014	<0.035	0.320	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
FEBRUARY													
10	1000	<0.014	<0.035	0.170	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
24	1200	<0.014	<0.035	0.130	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.007
MARCH													
03	1100	<0.014	<0.035	0.110	<0.012	<0.007	<0.010	<0.022	<0.009	0.004	<0.016	<0.011	<0.008
12	1200	<0.014	<0.035	0.120	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
20	0830	<0.014	<0.035	0.120	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
26	1130	<0.014	<0.035	0.140	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
APRIL 1992													
01	1000	<0.014	<0.035	0.100	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
06	1230	<0.014	0.012	0.140	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
14	1030	<0.014	<0.035	0.290	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
21	1300	<0.014	<0.035	0.370	0.008	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
29	1015	<0.014	<0.035	0.700	0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
MAY													
12	1000	<0.014	<0.035	0.260	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
21	1200	<0.014	<0.035	0.200	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.007
26	1130	<0.014	<0.035	2.80	0.044	<0.007	<0.010	<0.022	<0.009	0.010	<0.016	<0.011	0.020

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulata diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continued													
JUNE													
01	1330	<0.014	<0.035	1.50	0.017	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.014
09	1030	<0.014	<0.035	0.250	0.027	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
15	1230	<0.014	<0.035	0.500	0.021	<0.007	<0.010	<0.022	<0.009	0.006	<0.016	<0.011	0.019
22	0945	<0.014	<0.035	0.410	0.015	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.018
30	1130	<0.014	<0.035	0.560	0.011	<0.007	<0.010	<0.022	<0.009	0.006	<0.016	<0.011	0.020
JULY													
07	0930	<0.014	<0.035	0.170	0.004	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.014
14	1200	<0.014	<0.035	0.420	0.023	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.030
21	1030	<0.014	<0.035	0.820	0.037	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.033
28	1230	<0.014	<0.035	0.270	0.013	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.014
07022000 - Mississippi River at Thebes, Ill.													
APRIL 1991													
11	1500	--	--	--	--	--	--	--	--	--	--	--	--
18	1130	--	--	--	--	--	--	--	--	--	--	--	--
24	0930	--	--	--	--	--	--	--	--	--	--	--	--
29	1230	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07	1345	<0.014	<0.035	1.09	0.043	--	--	<0.022	--	0.008	<0.016	<0.011	--
09	0900	<0.014	<0.035	0.607	0.040	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1330	--	--	--	--	--	--	--	--	--	--	--	--
16	1200	<0.014	<0.035	1.15	0.020	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1430	<0.014	<0.035	0.714	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
23	0916	<0.014	<0.035	0.758	0.035	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1300	<0.014	<0.035	2.01	0.017	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1330	<0.014	<0.035	1.93	0.059	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE 1991													
03	1345	<0.014	<0.035	1.74	0.037	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1045	<0.014	<0.035	1.45	0.044	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1400	<0.014	<0.035	1.61	0.033	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1500	<0.014	<0.035	1.38	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1430	<0.014	<0.035	1.79	0.036	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1100	<0.014	<0.035	1.56	0.057	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1300	<0.014	<0.035	2.31	0.133	--	--	<0.022	--	0.010	<0.016	<0.011	--
27	1400	<0.014	<0.035	1.97	0.047	--	--	<0.022	--	0.010	<0.016	<0.011	--
JULY													
01	1320	<0.014	<0.035	1.43	0.037	--	--	<0.022	--	<0.018	<0.016	<0.011	--
03	0950	<0.014	<0.035	1.45	0.033	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1330	<0.014	<0.035	1.16	0.016	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1400	<0.014	<0.035	1.09	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	0930	--	--	--	--	--	--	--	--	--	--	--	--
23	1300	<0.014	<0.035	0.657	0.024	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1000	<0.014	<0.035	0.539	0.020	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST 1991													
06	1300	<0.014	<0.035	0.319	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	0930	<0.014	<0.035	0.313	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1330	<0.014	<0.035	0.247	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1100	<0.014	<0.035	0.182	0.030	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamida diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorata diss (µg/L)	Prometon diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued													
SEPTEMBER													
03	1500	<0.014	<0.035	0.157	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1000	<0.014	<0.035	0.106	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1400	<0.014	<0.035	0.082	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
26	0930	<0.014	<0.035	0.063	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER													
02	1300	<0.014	<0.035	0.050	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1030	<0.014	<0.035	0.047	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
16	1430	<0.014	<0.035	0.072	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
23	0945	<0.014	<0.035	0.065	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1400	<0.014	<0.035	0.040	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
07	0800	<0.014	<0.035	0.068	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1030	<0.014	<0.035	0.100	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER 1991													
05	1045	<0.014	<0.035	0.076	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1100	<0.014	<0.035	0.092	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1400	<0.014	<0.035	0.125	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
24	0930	<0.014	<0.035	0.130	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
FEBRUARY													
04	1030	<0.014	<0.035	0.086	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.008
19	0930	<0.014	<0.035	0.048	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
MARCH													
04	0945	<0.014	<0.035	0.076	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
09	1300	<0.014	<0.035	0.085	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
18	0945	<0.014	<0.035	0.068	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
24	1330	<0.014	<0.035	0.140	0.007	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
APRIL													
02	0930	<0.014	<0.035	0.073	0.006	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
07	1330	<0.014	<0.035	0.067	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
15	1030	<0.014	<0.035	0.086	<0.012	<0.007	<0.010	<0.022	<0.009	0.004	<0.016	<0.011	<0.008
23	1330	<0.014	<0.035	0.590	0.025	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.017
29	1100	<0.014	<0.035	0.650	0.016	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
MAY 1992													
06	1300	<0.014	<0.035	0.300	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
14	0930	<0.014	<0.035	0.180	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
19	1300	<0.014	<0.035	0.130	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.008
28	0900	<0.014	<0.035	0.150	0.014	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.009
JUNE													
02	1300	<0.014	<0.035	1.10	0.020	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.013
09	0930	<0.014	<0.035	0.390	0.021	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.019
16	1330	<0.014	<0.035	0.190	0.008	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.006
25	1000	<0.014	<0.035	0.230	0.020	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.016
JULY													
01	1300	<0.014	<0.035	0.430	0.014	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.014
09	0915	<0.014	<0.035	0.190	0.011	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.020
15	1230	<0.014	<0.035	0.180	0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.021

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continned													
JULY (cont.)													
23	1000	<0.014	<0.035	0.650	0.033	<0.007	<0.010	<0.022	0.004	0.007	<0.016	<0.011	0.020
28	1300	<0.014	<0.035	0.540	0.014	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.024
03374100 - White River at Hazleton, Ind.													
MAY 1991													
01	1000	<0.014	<0.035	0.190	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1115	0.005	<0.035	0.146	0.002	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1215	<0.014	<0.035	0.223	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1300	--	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--	--
20	1045	<0.014	<0.035	0.834	0.020	--	--	<0.022	--	<0.018	<0.016	<0.011	--
23	1100	0.006	<0.035	1.92	0.090	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1100	<0.014	<0.035	3.50	0.341	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1200	<0.014	<0.035	5.10	0.328	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE													
03	1200	<0.014	<0.035	3.06	0.146	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1145	<0.014	<0.035	2.39	0.154	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1200	<0.014	<0.035	2.50	0.141	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1100	<0.014	<0.035	2.00	0.008	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1200	<0.014	<0.035	1.18	0.034	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1130	<0.014	<0.035	1.19	0.017	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1215	<0.014	<0.035	1.43	0.037	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	1130	<0.014	<0.035	0.857	0.017	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JULY 1991													
01	1145	<0.014	<0.035	0.434	0.009	--	--	<0.022	--	<0.018	<0.016	<0.011	--
03	1100	<0.014	<0.035	0.526	0.009	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1200	<0.014	<0.035	0.461	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1130	<0.014	<0.035	0.316	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1200	<0.014	<0.035	1.51	0.014	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1300	<0.014	<0.035	0.797	0.011	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1300	<0.014	<0.035	0.386	0.006	--	--	<0.022	--	<0.018	<0.016	<0.011	--
25	1200	<0.014	<0.035	0.264	0.123	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1145	<0.014	<0.035	0.248	0.086	--	--	<0.022	--	<0.018	<0.016	<0.011	--
AUGUST													
01	1145	<0.014	<0.035	0.191	0.066	--	--	<0.022	--	<0.018	<0.016	<0.011	--
06	1200	<0.014	<0.035	0.134	0.072	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1300	<0.014	<0.035	0.106	0.052	--	--	<0.022	--	<0.018	<0.016	<0.011	--
12	1100	<0.014	<0.035	0.228	0.062	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1200	<0.014	<0.035	0.111	0.060	--	--	<0.022	--	<0.018	<0.016	<0.011	--
19	1115	<0.014	<0.035	0.109	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1230	<0.014	<0.035	0.097	0.024	--	--	<0.022	--	<0.018	<0.016	<0.011	--
26	1245	<0.014	<0.035	0.092	0.043	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	1200	<0.014	<0.035	0.102	0.036	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER 1991													
09	1100	<0.014	<0.035	0.154	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
12	1100	<0.014	<0.035	0.123	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
19	1130	<0.014	<0.035	0.148	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
26	1200	<0.014	<0.035	0.151	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin dise (µg/L)	Molinate diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diee (µg/L)	Pendimethalin diss (µg/L)	Permethrin disa (µg/L)	Phorate disa (µg/L)	Prometon diea (µg/L)
03374100 - White River at Hazleton, Ind.--Continued													
OCTOBER													
03	1000	<0.014	<0.035	0.065	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
08	1100	<0.014	<0.035	0.090	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1100	<0.014	<0.035	0.067	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
24	1100	<0.014	<0.035	0.012	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
28	1130	<0.014	<0.035	0.047	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1130	<0.014	<0.035	0.265	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
04	1130	<0.014	<0.035	0.129	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
13	1025	<0.014	<0.035	0.091	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	1200	<0.014	<0.035	0.154	0.009	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER													
18	1200	<0.014	<0.035	0.130	0.004	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
02	1200	<0.014	<0.035	0.130	0.005	--	--	<0.022	--	<0.018	<0.016	<0.011	--
16	1235	<0.014	<0.035	0.110	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.023
30	1243	<0.014	<0.035	0.080	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.031
FEBRUARY													
13	1240	<0.014	<0.035	0.062	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.023
27	1200	<0.014	<0.035	0.070	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.024
MARCH													
05	1130	<0.014	<0.035	0.099	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.025
12	1115	<0.014	<0.035	0.085	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.023
19	1133	<0.014	<0.035	0.049	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.027
26	1128	<0.014	<0.035	0.110	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.023
APRIL													
02	1135	<0.014	<0.035	0.170	<0.012	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.023
09	1102	<0.014	<0.035	0.130	<0.012	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.026
16	1112	<0.014	<0.035	0.300	0.024	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.034
20	1030	<0.014	<0.035	0.620	0.015	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.026
24	1035	<0.014	<0.035	2.20	0.140	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.035
29	1100	<0.014	<0.035	1.00	0.074	<0.007	<0.010	<0.010	<0.009	<0.018	<0.016	<0.011	0.028
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.													
APRIL 1991													
10	1200	--	--	--	--	--	--	--	--	--	--	--	--
18	1045	--	--	--	--	--	--	--	--	--	--	--	--
23	1110	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01	1040	<0.014	<0.035	0.098	<0.012	--	--	<0.022	--	<0.018	0.025	<0.011	--
07	1022	<0.014	<0.035	0.088	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
14	1045	--	--	--	--	--	--	--	--	--	--	--	--
21	1045	<0.014	<0.035	0.721	0.010	--	--	<0.022	--	0.002	0.003	<0.011	--
29	1030	<0.014	<0.035	0.168	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JUNE													
04	1135	<0.014	<0.035	0.495	0.018	--	--	<0.022	--	<0.018	<0.016	<0.011	--
11	1045	<0.014	<0.035	0.540	0.023	--	--	<0.022	--	<0.018	<0.016	<0.011	--
18	1040	<0.014	<0.035	0.827	0.067	--	--	<0.022	--	<0.018	<0.016	<0.011	--
25	0946	<0.014	<0.035	0.464	0.018	--	--	<0.022	--	<0.018	<0.016	<0.011	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parethion diss (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinete diss (µg/L)	Napropamide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethelin diss (µg/L)	Permethrin diss (µg/L)	Phorate diss (µg/L)	Prometon diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chsin, Ill.--Continued													
JULY 1991													
01	0950	<0.014	<0.035	0.226	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
09	1030	<0.014	<0.035	0.201	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	1100	<0.014	<0.035	0.173	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
22	1040	--	--	--	--	--	--	--	--	--	--	--	--
29	1110	--	--	--	--	--	--	--	--	--	--	--	--
AUGUST													
05	1050	--	--	--	--	--	--	--	--	--	--	--	--
12	1030	<0.014	<0.035	0.099	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
20	1030	<0.014	<0.035	0.062	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
27	0945	<0.014	<0.035	0.032	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
SEPTEMBER													
03	1040	<0.014	<0.035	0.036	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
10	1030	<0.014	<0.035	0.051	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	0952	<0.014	<0.035	0.048	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
23	1040	<0.014	<0.035	0.062	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
30	1122	<0.014	<0.035	0.038	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
OCTOBER 1991													
07	1125	<0.014	<0.035	0.020	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
15	0955	<0.014	<0.035	0.026	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1020	<0.014	<0.035	0.027	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
29	0930	<0.014	<0.035	0.057	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
NOVEMBER													
06	1040	--	--	--	--	--	--	--	--	--	--	--	--
20	0920	<0.014	<0.035	0.058	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
DECEMBER													
05	1045	<0.014	<0.035	0.054	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
17	1010	<0.014	<0.035	0.019	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
JANUARY 1992													
02	1005	<0.014	<0.035	0.029	<0.012	--	--	<0.022	--	<0.018	<0.016	<0.011	--
21	1030	<0.014	<0.035	0.038	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.011
FEBRUARY													
04	1125	<0.014	<0.035	0.022	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.007
18	1025	<0.014	<0.035	0.023	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	<0.002
MARCH 1992													
03	1025	<0.014	<0.035	0.015	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
11	1030	<0.014	<0.035	0.012	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
16	1040	<0.014	<0.035	0.016	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
24	1020	<0.014	<0.035	0.032	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
31	1030	<0.014	<0.035	0.030	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
APRIL													
07	1015	<0.014	<0.035	0.043	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.011
14	1035	<0.014	<0.035	0.034	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.010
22	1040	<0.014	<0.035	0.430	0.009	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.015
28	1104	<0.014	<0.035	0.690	0.030	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.019
MAY													
06	0953	<0.014	<0.035	0.230	0.010	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012
12	0955	<0.014	<0.035	0.170	0.008	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.012

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Malathion diss (µg/L)	Methyl parathion disa (µg/L)	Metolachlor diss (µg/L)	Metribuzin diss (µg/L)	Molinate diss (µg/L)	Napropemide diss (µg/L)	Parathion diss (µg/L)	Pebulate diss (µg/L)	Pendimethalin diss (µg/L)	Permethrin diss (µg/L)	Phorate disa (µg/L)	Prometon diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued													
MAY (cont.)													
18	1025	<0.014	<0.035	0.100	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.019
27	1030	<0.014	<0.035	0.260	0.005	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.016
JUNE 1992													
02	1045	<0.014	<0.035	0.690	0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.028
09	1105	<0.014	<0.035	0.190	<0.012	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.015
16	1105	<0.014	<0.035	0.082	0.005	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.020
23	1023	<0.014	<0.035	0.170	0.005	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.021
29	1235	<0.014	<0.035	0.240	0.007	<0.007	<0.010	<0.022	<0.009	0.006	<0.016	<0.011	0.027
JULY													
08	1012	<0.014	<0.035	0.210	0.009	<0.007	<0.010	<0.022	<0.009	0.007	<0.016	<0.011	0.028
14	1025	<0.014	<0.035	0.310	0.008	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.038
23	1040	<0.014	<0.035	0.450	0.018	<0.007	<0.010	<0.022	<0.009	<0.018	<0.016	<0.011	0.033
28	1025	<0.014	<0.035	0.550	0.033	<0.007	<0.010	<0.022	<0.009	0.006	<0.016	<0.011	0.033

Date	Time	Pronemide diss (µg/L)	Propachlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuthiuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thiobencarb diss (µg/L)	Trielilate diss (µg/L)	Trifluralin diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa												
APRIL 1991												
02	1040	--	--	--	--	--	--	--	--	--	--	--
11	1100	--	--	--	--	--	--	--	--	--	--	--
16	1150	--	--	--	--	--	--	--	--	--	--	--
23	1030	--	--	--	--	--	--	--	--	--	--	--
MAY												
01	1150	--	--	--	--	--	--	--	--	--	--	--
07	1115	--	<0.015	--	0.041	0.008	--	--	<0.012	--	--	<0.012
10	1030	--	--	--	--	--	--	--	--	--	--	--
14	1120	--	--	--	--	--	--	--	--	--	--	--
17	1045	--	<0.015	--	<0.006	<0.008	--	--	<0.012	--	--	<0.012
21	1140	--	--	--	--	--	--	--	--	--	--	--
24	1205	--	0.005	--	<0.006	0.013	--	--	<0.012	--	--	<0.012
28	1210	--	<0.015	--	<0.006	0.015	--	--	<0.012	--	--	<0.012
31	1015	--	<0.015	--	<0.006	0.017	--	--	<0.012	--	--	<0.012
JUNE 1991												
04	1300	--	<0.015	--	<0.006	0.013	--	--	<0.012	--	--	<0.012
07	1100	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
10	1130	--	<0.015	--	<0.006	0.015	--	--	<0.012	--	--	<0.012
13	1410	--	0.003	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
17	1040	--	0.006	--	<0.006	0.036	--	--	<0.012	--	--	<0.012
20	1345	--	0.005	--	<0.006	0.035	--	--	<0.012	--	--	<0.012
24	1055	--	0.008	--	<0.006	0.025	--	--	<0.012	--	--	<0.012
27	0915	--	0.006	--	<0.006	0.020	--	--	<0.012	--	--	<0.012
JULY												
01	1025	--	0.002	--	<0.006	0.022	--	--	<0.012	--	--	<0.012
05	1205	--	<0.015	--	<0.006	0.017	--	--	<0.012	--	--	<0.012
08	1130	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
11	1300	--	--	--	--	--	--	--	--	--	--	--
15	1025	--	<0.015	--	<0.006	0.019	--	--	<0.012	--	--	<0.012
18	1200	--	--	--	--	--	--	--	--	--	--	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazina diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiata diss (µg/L)	Trifluralin diss (µg/L)
05420500 - Mississippi River at Clinton, Iowa--Continued												
JULY (cont.)												
22	1050	--	--	--	--	--	--	--	--	--	--	--
29	1230	--	<0.015	--	<0.006	0.025	--	--	<0.012	--	--	<0.012
AUGUST 1991												
06	1240	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012
12	1125	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012
19	1145	--	<0.015	--	<0.006	0.016	--	--	<0.012	--	--	<0.012
26	1205	--	<0.015	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
SEPTEMBER												
03	1200	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
09	1500	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
17	1215	--	<0.015	--	<0.006	0.009	--	--	<0.012	--	--	<0.012
24	1215	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
OCTOBER												
01	1200	--	--	--	--	--	--	--	--	--	--	--
07	1230	--	<0.015	--	<0.006	0.006	--	--	<0.012	--	--	<0.012
15	1300	--	<0.015	--	<0.006	0.009	--	--	<0.012	--	--	<0.012
22	1230	--	<0.015	--	<0.006	0.006	--	--	<0.012	--	--	<0.012
29	1330	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
NOVEMBER 1991												
05	1245	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
12	1255	--	<0.015	--	<0.006	0.009	--	--	<0.012	--	--	<0.012
26	1320	--	<0.015	--	<0.006	<0.008	--	--	<0.012	--	--	<0.012
DECEMBER												
09	1200	--	<0.015	--	<0.006	0.006	--	--	<0.012	--	--	<0.012
22	1330	--	<0.015	--	<0.006	0.004	--	--	<0.012	--	--	<0.012
JANUARY 1992												
07	1210	<0.009	<0.015	<0.016	<0.006	0.005	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
22	1340	<0.009	<0.015	<0.016	<0.006	0.004	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
FEBRUARY												
03	1245	<0.009	<0.015	<0.016	<0.006	0.004	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
20	1230	<0.009	<0.015	<0.016	<0.006	0.005	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
MARCH 1992												
04	1100	--	--	--	--	--	--	--	--	--	--	--
13	1200	<0.009	<0.015	<0.016	<0.006	<0.008	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
17	1400	<0.009	0.002	<0.016	<0.006	0.006	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
24	1125	<0.009	<0.015	<0.016	<0.006	<0.008	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
30	1155	<0.009	<0.015	<0.016	<0.006	<0.008	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
APRIL												
06	1215	<0.009	<0.015	<0.016	<0.006	0.005	0.006	<0.030	<0.012	<0.008	<0.008	<0.012
14	1130	<0.009	<0.015	<0.016	<0.006	0.008	0.005	<0.030	<0.012	<0.008	<0.008	<0.012
24	1145	<0.009	<0.015	<0.016	<0.006	0.006	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
28	1145	<0.009	<0.015	<0.016	<0.006	0.006	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
MAY												
05	1115	<0.009	<0.015	<0.016	<0.006	0.007	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
12	1130	<0.009	<0.015	<0.016	<0.006	0.009	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
19	1130	<0.009	<0.015	<0.016	<0.006	0.010	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
26	1215	<0.009	<0.015	<0.016	<0.006	0.019	<0.012	<0.030	<0.012	<0.008	<0.008	0.005

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiate diss (µg/L)	Trifluralin diss (µg/L)
05586100 - Illinois River at Valley City												
APRIL 1991												
05	1230	--	--	--	--	--	--	--	--	--	--	--
17	1330	--	--	--	--	--	--	--	--	--	--	--
26	1000	--	--	--	--	--	--	--	--	--	--	--
MAY												
03	1545	--	<0.016	--	<0.006	0.033	--	--	<0.015	--	--	0.002
08	1245	--	0.010	--	<0.006	0.115	--	--	<0.015	--	--	0.017
10	1100	--	--	--	--	--	--	--	--	--	--	--
17	1145	--	<0.016	--	<0.006	0.026	--	--	<0.015	--	--	0.005
19	1115	--	0.006	--	<0.006	0.088	--	--	<0.015	--	--	0.010
22	1715	--	0.009	--	<0.006	0.131	--	--	0.012	--	--	0.009
29	1130	--	0.011	--	<0.006	0.075	--	--	<0.015	--	--	0.005
31	1045	--	0.010	--	<0.006	0.084	--	--	<0.015	--	--	0.003
JUNE 1991												
04	1215	--	0.004	--	<0.006	0.102	--	--	<0.015	--	--	0.003
06	1200	--	<0.016	--	<0.006	0.081	--	--	<0.015	--	--	0.004
11	1345	--	<0.016	--	<0.006	0.119	--	--	<0.015	--	--	<0.012
14	1200	--	<0.016	--	<0.006	0.125	--	--	<0.015	--	--	<0.012
18	1130	--	<0.016	--	<0.006	0.138	--	--	<0.015	--	--	<0.012
20	1130	--	<0.016	--	<0.006	0.120	--	--	<0.015	--	--	<0.012
24	1130	--	<0.016	--	<0.006	0.086	--	--	<0.015	--	--	<0.012
27	1100	--	0.004	--	<0.006	0.070	--	--	<0.015	--	--	<0.012
JULY												
01	0930	--	<0.016	--	<0.006	0.084	--	--	<0.015	--	--	<0.012
03	1100	--	<0.016	--	<0.006	0.079	--	--	<0.015	--	--	<0.012
09	1000	--	<0.016	--	<0.006	0.067	--	--	<0.015	--	--	<0.012
11	1045	--	<0.016	--	<0.006	0.068	--	--	<0.015	--	--	<0.012
18	1115	--	--	--	--	--	--	--	--	--	--	--
25	1340	--	<0.016	--	<0.006	0.043	--	--	<0.015	--	--	<0.012
31	1100	--	<0.016	--	<0.006	0.038	--	--	<0.015	--	--	<0.012
AUGUST 1991												
06	1015	--	<0.016	--	<0.006	0.034	--	--	<0.015	--	--	<0.012
13	1200	--	<0.016	--	<0.006	0.030	--	--	<0.015	--	--	<0.012
21	1230	--	<0.016	--	<0.006	0.025	--	--	<0.015	--	--	<0.012
28	1015	--	<0.016	--	<0.006	0.022	--	--	<0.015	--	--	<0.012
SEPTEMBER												
03	1050	--	<0.016	--	<0.006	0.039	--	--	<0.015	--	--	<0.012
10	1200	--	<0.016	--	<0.006	0.039	--	--	<0.015	--	--	<0.012
17	1100	--	<0.016	--	<0.006	0.049	--	--	<0.015	--	--	<0.012
24	1100	--	<0.016	--	<0.006	<0.015	--	--	<0.015	--	--	<0.012
OCTOBER												
01	1130	--	<0.016	--	<0.006	0.041	--	--	<0.015	--	--	<0.012
08	1330	--	<0.016	--	<0.006	0.041	--	--	<0.015	--	--	<0.012
15	1215	--	<0.016	--	<0.006	0.030	--	--	<0.015	--	--	<0.012
22	1130	--	<0.016	--	<0.006	0.029	--	--	<0.015	--	--	<0.012
NOVEMBER												
05	1140	--	<0.016	--	<0.006	0.028	--	--	<0.015	--	--	<0.012
15	1130	--	<0.016	--	<0.006	<0.015	--	--	<0.015	--	--	<0.012

Table 8.--Pesticide resuits from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiate diss (µg/L)	Trifluralin diss (µg/L)
05586100 - Illinois River at Valley City--Continned												
DECEMBER 1991												
03	1030	--	<0.016	--	<0.006	0.013	--	--	<0.015	--	--	<0.012
18	1200	--	<0.016	--	<0.006	0.017	--	--	<0.015	--	--	<0.012
JANUARY 1992												
02	1330	--	<0.016	--	<0.006	0.010	--	--	<0.015	--	--	<0.012
15	1645	<0.009	<0.016	<0.016	<0.006	0.011	<0.015	<0.030	<0.015	<0.008	<0.008	<0.012
30	1345	<0.009	<0.016	<0.016	<0.006	0.008	<0.015	<0.030	<0.015	<0.008	<0.008	<0.012
FEBRUARY												
12	1200	<0.009	<0.016	<0.016	<0.006	0.009	<0.015	<0.030	<0.015	<0.008	<0.008	<0.012
28	1245	<0.009	<0.016	<0.016	<0.006	0.008	<0.015	<0.030	<0.015	<0.008	<0.008	0.003
MARCH												
03	1100	<0.009	<0.016	<0.016	<0.006	0.009	<0.015	<0.030	<0.015	<0.008	<0.008	0.003
10	1015	<0.009	<0.016	<0.016	<0.006	0.009	<0.015	<0.030	<0.015	<0.008	<0.008	0.003
17	1050	<0.009	<0.016	<0.016	<0.006	0.011	0.009	<0.030	<0.015	<0.008	<0.008	<0.012
25	1045	<0.009	<0.016	<0.016	<0.006	0.010	<0.015	<0.030	<0.015	<0.008	<0.008	<0.012
06805500 - Platte River at Louisville, Nebr.												
APRIL 1991												
09	1250	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--
24	1030	--	--	--	--	--	--	--	--	--	--	--
29	1000	--	0.011	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
MAY												
06	1115	--	0.007	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
09	0940	--	0.016	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
13	1110	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--
21	0945	--	0.058	--	<0.006	0.082	--	--	<0.012	--	--	0.012
24	0740	--	0.059	--	<0.006	0.019	--	--	<0.012	--	--	0.004
29	1015	--	0.021	--	<0.006	0.042	--	--	<0.012	--	--	<0.012
31	0735	--	0.064	--	<0.006	0.082	--	--	<0.012	--	--	0.010
JUNE 1991												
04	0800	--	0.080	--	<0.006	0.098	--	--	<0.012	--	--	0.011
07	1415	--	0.177	--	<0.006	0.099	--	--	<0.012	--	--	0.024
11	1045	--	0.181	--	<0.006	0.073	--	--	<0.012	--	--	0.025
14	0750	--	0.144	--	<0.006	0.041	--	--	<0.012	--	--	0.034
18	0935	--	0.030	--	<0.006	0.044	--	--	<0.012	--	--	0.013
21	1020	--	0.004	--	<0.006	0.029	--	--	<0.012	--	--	0.004
24	1110	--	0.018	--	<0.006	0.039	--	--	<0.012	--	--	0.005
27	1020	--	0.004	--	<0.006	0.031	--	--	<0.012	--	--	<0.012
JULY												
01	0950	--	<0.015	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
03	0950	--	<0.015	--	<0.006	0.031	--	--	<0.012	--	--	0.042
08	1100	--	<0.015	--	<0.006	0.020	--	--	<0.012	--	--	<0.012
11	1020	--	0.020	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
15	0950	--	<0.015	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
25	1000	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012
29	0940	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
AUGUST 1991												
06	1130	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
12	1115	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazina diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiate diss (µg/L)	Trifluralin diss (µg/L)
06805500 - Plstte River at Louisville, Nebr.--Continued												
AUGUST 1991 (cont.)												
20	1000	--	<0.015	--	<0.006	0.021	--	--	<0.012	--	--	<0.012
27	0940	--	<0.015	--	<0.006	0.009	--	--	<0.012	--	--	<0.012
SEPTEMBER												
03	0950	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
10	1030	--	<0.015	--	<0.006	0.017	--	--	<0.012	--	--	<0.012
17	1115	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
24	1135	--	<0.015	--	<0.006	0.008	--	--	<0.012	--	--	<0.012
OCTOBER												
01	1115	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
08	1030	--	<0.015	--	<0.006	0.004	--	--	<0.012	--	--	<0.012
15	1130	--	<0.015	--	<0.006	0.019	--	--	<0.012	--	--	<0.012
24	1200	--	<0.015	--	<0.006	0.022	--	--	<0.012	--	--	<0.012
NOVEMBER												
05	1200	--	<0.015	--	<0.006	0.009	--	--	<0.012	--	--	<0.012
19	1140	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
DECEMBER 1991												
05	1130	--	--	--	--	--	--	--	--	--	--	--
20	1000	<0.009	<0.015	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
30	1020	<0.009	<0.015	<0.016	<0.006	0.005	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
JANUARY 1992												
14	1000	<0.009	<0.015	<0.016	<0.006	0.005	<0.015	<0.030	0.070	<0.008	<0.008	<0.012
28	1000	<0.009	<0.015	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	0.004
FEBRUARY												
11	1030	<0.009	<0.015	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
27	1000	<0.009	<0.015	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
MARCH												
05	1010	<0.009	<0.015	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
09	0945	<0.009	0.007	<0.016	<0.006	0.004	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
17	1145	<0.009	<0.015	<0.016	<0.006	0.006	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
23	1040	<0.009	<0.015	<0.016	<0.006	0.005	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
31	1100	<0.009	<0.015	<0.016	<0.006	0.005	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
APRIL 1992												
07	1100	<0.009	<0.015	<0.016	<0.006	0.005	0.010	<0.030	<0.012	<0.008	<0.008	0.004
14	1010	<0.009	<0.015	<0.016	<0.006	0.006	0.004	0.015	<0.012	<0.008	<0.008	0.004
23	1020	<0.009	<0.015	<0.016	<0.006	0.006	<0.015	0.020	<0.012	<0.008	<0.008	0.004
29	1030	<0.009	0.004	<0.016	<0.006	0.210	<0.015	0.032	<0.012	<0.008	<0.008	<0.012
MAY												
07	1100	<0.009	0.003	<0.016	<0.006	0.210	<0.015	0.032	<0.012	<0.008	<0.008	<0.012
06934500 - Missouri River at Hermsnn, Mo.												
APRIL 1991												
09	1331	--	--	--	--	--	--	--	--	--	--	--
16	1030	--	--	--	--	--	--	--	--	--	--	--
24	1200	--	--	--	--	--	--	--	--	--	--	--
MAY												
01	1130	--	--	--	--	--	--	--	--	--	--	--
06	1100	--	<0.015	--	0.067	0.035	--	--	<0.012	--	--	0.011
09	0930	--	--	--	--	--	--	--	--	--	--	--
13	1000	--	--	--	--	--	--	--	--	--	--	--
16	1020	--	0.005	--	<0.006	0.053	--	--	<0.012	--	--	0.008

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bancarb diss (µg/L)	Triallate diss (µg/L)	Trifluralin diss (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continned												
MAY (cont.)												
20	1000	--	<0.015	--	<0.006	0.027	--	--	<0.012	--	--	0.005
24	1000	--	0.085	--	<0.006	0.049	--	--	<0.012	--	--	0.014
28	1030	--	<0.015	--	<0.006	0.058	--	--	<0.012	--	--	0.011
31	1040	--	0.006	--	0.026	0.044	--	--	<0.012	--	--	0.005
JUNE												
03	1000	--	0.007	--	<0.006	0.042	--	--	<0.012	--	--	0.012
06	1000	--	0.010	--	<0.006	0.047	--	--	<0.012	--	--	0.006
11	1000	--	<0.015	--	<0.006	0.047	--	--	<0.012	--	--	<0.012
13	1000	--	0.005	--	<0.006	0.056	--	--	<0.012	--	--	0.010
21	1000	--	<0.015	--	<0.006	0.057	--	--	<0.012	--	--	0.019
25	1130	--	<0.015	--	<0.006	0.054	--	--	<0.012	--	--	0.010
27	1045	--	<0.015	--	<0.006	0.024	--	--	<0.012	--	--	0.005
JULY												
01	1100	--	<0.015	--	<0.006	0.032	--	--	<0.012	--	--	0.002
03	1000	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
08	1030	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
11	1000	--	0.010	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
15	1030	--	<0.015	--	<0.006	0.012	--	--	<0.012	--	--	0.002
22	1015	--	<0.015	--	<0.006	0.013	--	--	<0.012	--	--	<0.012
29	1100	--	<0.015	--	<0.006	0.013	--	--	<0.012	--	--	<0.012
AUGUST												
05	1000	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
13	1100	--	<0.015	--	<0.006	0.008	--	--	<0.012	--	--	<0.012
19	1000	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
27	1100	--	<0.015	--	<0.006	0.008	--	--	<0.012	--	--	<0.012
SEPTEMBER 1991												
05	1030	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
09	1000	--	<0.015	--	<0.006	0.005	--	--	<0.012	--	--	<0.012
16	1000	--	<0.015	--	<0.006	0.008	--	--	<0.012	--	--	<0.012
23	0945	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
OCTOBER												
01	1030	--	<0.015	--	<0.006	<0.008	--	--	<0.012	--	--	<0:012
07	1000	--	<0.015	--	<0.006	0.006	--	--	<0.012	--	--	<0.012
15	1100	--	<0.015	--	<0.006	0.008	--	--	<0.012	--	--	<0.012
21	1000	--	<0.015	--	<0.006	0.005	--	--	<0.012	--	--	<0.012
29	1000	--	<0.015	--	<0.006	0.005	--	--	<0.012	--	--	<0.012
NOVEMBER												
04	1030	--	<0.015	--	<0.006	0.007	--	--	<0.012	--	--	<0.012
21	1030	--	<0.015	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
DECEMBER												
06	1240	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
16	1130	--	<0.015	--	<0.006	0.006	--	--	<0.012	--	--	<0.012
JANUARY 1992												
02	1030	--	<0.015	--	<0.006	0.022	--	--	<0.012	--	--	<0.012
16	1200	<0.009	<0.015	<0.016	<0.006	0.011	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
28	1300	<0.009	<0.015	0.001	<0.006	<0.008	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
FEBRUARY												
10	1000	<0.009	<0.015	<0.016	<0.006	0.006	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
24	1200	<0.009	<0.015	<0.016	<0.006	0.007	<0.012	<0.030	<0.012	<0.008	<0.008	0.004

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Triallate diss (µg/L)	Trifluralin diss (µg/L)
06934500 - Missouri River at Hermann, Mo.--Continued												
MARCH												
03	1100	<0.009	<0.015	<0.016	<0.006	0.007	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
12	1200	<0.009	0.006	<0.016	<0.006	0.009	<0.012	<0.030	<0.012	<0.008	<0.008	0.004
20	0830	<0.009	0.013	<0.016	<0.006	0.006	<0.012	<0.030	<0.012	<0.008	<0.008	0.004
26	1130	<0.009	0.017	<0.016	<0.006	0.011	0.014	<0.030	<0.012	<0.008	<0.008	0.004
APRIL												
01	1000	<0.009	0.009	<0.016	<0.006	0.009	0.250	<0.030	<0.012	<0.008	<0.008	0.007
06	1230	<0.009	<0.015	<0.016	<0.006	0.008	<0.012	<0.030	<0.012	<0.008	<0.008	0.004
14	1030	<0.009	<0.015	<0.016	<0.006	0.012	0.039	<0.030	<0.012	<0.008	<0.008	0.004
21	1300	<0.009	<0.015	<0.016	<0.006	0.016	0.012	<0.030	<0.012	<0.008	<0.008	0.004
29	1015	<0.009	0.004	<0.016	<0.006	0.025	0.014	<0.030	<0.012	<0.008	<0.008	0.005
MAY 1992												
12	1000	<0.009	<0.015	0.005	<0.006	0.018	<0.012	<0.030	<0.012	<0.008	<0.008	0.004
21	1200	<0.009	0.001	<0.016	<0.006	0.010	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
26	1130	<0.009	0.019	<0.016	<0.006	0.044	<0.012	<0.030	<0.012	<0.008	<0.008	0.005
JUNE												
01	1330	<0.009	0.013	<0.016	<0.006	0.030	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
09	1030	<0.009	0.002	<0.016	<0.006	0.018	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
15	1230	<0.009	0.014	<0.016	<0.006	0.014	0.006	<0.030	0.020	<0.008	<0.008	0.003
22	0945	<0.009	<0.015	<0.016	<0.006	0.021	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
30	1130	<0.009	<0.015	<0.016	<0.006	0.021	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
JULY												
07	0930	<0.009	<0.015	<0.016	<0.006	0.013	<0.012	<0.030	<0.012	<0.008	<0.008	<0.012
14	1200	<0.009	<0.015	<0.016	<0.006	0.037	<0.012	<0.030	<0.012	<0.008	<0.008	0.004
21	1030	<0.009	<0.015	<0.016	<0.006	0.028	<0.012	<0.030	<0.012	<0.008	<0.008	0.005
28	1230	<0.009	<0.015	<0.016	<0.006	0.015	<0.012	<0.030	<0.012	<0.008	<0.008	0.003
07022000 - Mississippi River at Thebes, Ill.												
APRIL 1991												
11	1500	--	--	--	--	--	--	--	--	--	--	--
18	1130	--	--	--	--	--	--	--	--	--	--	--
24	0930	--	--	--	--	--	--	--	--	--	--	--
29	1230	--	--	--	--	--	--	--	--	--	--	--
MAY												
07	1345	--	<0.015	--	<0.006	0.042	--	--	<0.012	--	--	0.005
09	0900	--	<0.015	--	<0.006	0.026	--	--	<0.012	--	--	0.002
13	1330	--	--	--	--	--	--	--	--	--	--	--
16	1200	--	<0.015	--	<0.006	0.028	--	--	<0.012	--	--	<0.012
20	1430	--	<0.015	--	<0.006	0.058	--	--	<0.012	--	--	0.004
23	0916	--	<0.015	--	<0.006	0.047	--	--	<0.012	--	--	0.002
28	1300	--	0.004	--	<0.006	0.016	--	--	<0.012	--	--	0.004
30	1330	--	0.006	--	<0.006	0.041	--	--	<0.012	--	--	0.004
JUNE 1991												
03	1345	--	<0.015	--	<0.006	0.053	--	--	<0.012	--	--	0.003
06	1045	--	<0.015	--	<0.006	0.053	--	--	<0.012	--	--	0.004
10	1400	--	<0.015	--	<0.006	0.045	--	--	<0.012	--	--	0.003
13	1500	--	<0.015	--	<0.006	0.033	--	--	<0.012	--	--	<0.012
18	1430	--	<0.015	--	<0.006	0.058	--	--	<0.012	--	--	0.004
20	1100	--	0.003	--	<0.006	0.060	--	--	<0.012	--	--	0.004
24	1300	--	<0.015	--	<0.006	0.042	--	--	<0.012	--	--	0.010
27	1400	--	<0.015	--	<0.006	0.048	--	--	<0.012	--	--	0.004

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Triallate diss (µg/L)	Trifluralin diss (µg/L)
07022000 - Mississippi River st Thebes, Ill.--Continned												
JULY												
01	1320	--	<0.015	--	<0.006	0.036	--	--	<0.012	--	--	0.002
03	0950	--	<0.015	--	<0.006	0.032	--	--	<0.012	--	--	<0.012
08	1330	--	<0.015	--	<0.006	0.028	--	--	<0.012	--	--	<0.012
11	1400	--	<0.015	--	<0.006	0.027	--	--	<0.012	--	--	<0.012
18	0930	--	--	--	--	--	--	--	--	--	--	--
23	1300	--	<0.015	--	<0.006	0.024	--	--	<0.012	--	--	<0.012
30	1000	--	<0.015	--	<0.006	0.021	--	--	<0.012	--	--	<0.012
AUGUST 1991												
06	1300	--	<0.015	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
13	0930	--	<0.015	--	<0.006	0.022	--	--	<0.012	--	--	<0.012
20	1330	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012
29	1100	--	<0.015	--	<0.006	0.018	--	--	<0.012	--	--	<0.012
SEPTEMBER												
03	1500	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
11	1000	--	<0.015	--	<0.006	0.015	--	--	<0.012	--	--	<0.012
17	1400	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
26	0930	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
OCTOBER												
02	1300	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
09	1030	--	<0.015	--	<0.006	0.015	--	--	<0.012	--	--	<0.012
16	1430	--	<0.015	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
23	0945	--	<0.015	--	<0.006	0.012	--	--	<0.012	--	--	<0.012
30	1400	--	<0.015	--	<0.006	<0.008	--	--	<0.012	--	--	<0.012
NOVEMBER												
07	0800	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
20	1030	--	<0.015	--	<0.006	0.010	--	--	<0.012	--	--	<0.012
DECEMBER 1991												
05	1045	--	<0.015	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
18	1100	--	0.004	--	<0.006	0.011	--	--	<0.012	--	--	<0.012
30	1400	--	<0.015	--	<0.006	0.014	--	--	<0.012	--	--	<0.012
JANUARY 1992												
24	0930	<0.009	<0.015	<0.016	<0.006	0.007	<0.010	<0.030	<0.012	<0.008	<0.008	0.003
FEBRUARY												
04	1030	<0.009	<0.015	<0.016	<0.006	0.006	<0.010	<0.030	<0.012	<0.008	<0.008	<0.012
19	0930	<0.009	<0.015	<0.016	<0.006	0.011	0.041	<0.030	<0.012	<0.008	<0.008	0.004
MARCH												
04	0945	<0.009	<0.015	<0.016	<0.006	<0.008	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
09	1300	<0.009	<0.015	<0.016	<0.006	0.008	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
18	0945	<0.009	<0.015	<0.016	<0.006	0.008	<0.015	<0.030	<0.012	<0.008	<0.008	0.004
24	1330	<0.009	<0.015	<0.016	<0.006	0.009	0.010	<0.030	<0.012	<0.008	<0.008	0.003
APRIL												
02	0930	<0.009	0.002	<0.016	<0.006	0.017	0.014	<0.030	<0.012	<0.008	<0.008	0.005
07	1330	<0.009	<0.015	<0.016	<0.006	0.012	0.024	<0.030	<0.012	<0.008	<0.008	<0.012
15	1030	<0.009	<0.015	<0.016	<0.006	0.012	0.019	<0.030	<0.012	<0.008	<0.008	0.004
23	1330	<0.009	<0.015	0.005	<0.006	0.060	0.018	<0.030	<0.012	<0.008	<0.008	0.004
29	1100	<0.009	<0.015	<0.016	<0.006	0.040	0.013	<0.030	<0.012	<0.008	<0.008	0.004
MAY 1992												
06	1300	<0.009	<0.015	<0.016	<0.006	0.022	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
14	0930	<0.009	<0.015	<0.016	<0.006	0.018	<0.015	<0.030	<0.012	<0.008	<0.008	0.004

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil dias (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Triallate diss (µg/L)	Trifluralin diss (µg/L)
07022000 - Mississippi River at Thebes, Ill.--Continned												
MAY 1992 (cont.)												
19	1300	<0.009	<0.015	<0.016	<0.006	0.023	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
28	0900	<0.009	<0.015	<0.016	<0.006	0.052	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
JUNE												
02	1300	<0.009	0.002	<0.016	<0.006	0.042	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
09	0930	<0.009	<0.015	<0.016	<0.006	0.040	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
16	1330	<0.009	<0.015	<0.016	<0.006	0.024	0.005	<0.030	0.027	<0.008	<0.008	0.003
25	1000	<0.009	<0.015	<0.016	<0.006	0.028	0.006	<0.030	<0.012	<0.008	<0.008	0.003
JULY												
01	1300	<0.009	<0.015	<0.016	<0.006	0.036	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
09	0915	<0.009	<0.015	<0.016	<0.006	0.033	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
15	1230	<0.009	<0.015	<0.016	<0.006	0.032	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
23	1000	<0.009	<0.015	<0.016	<0.006	0.034	<0.015	<0.030	<0.012	<0.008	<0.008	0.004
28	1300	<0.009	<0.015	<0.016	<0.006	0.036	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
03374100 - White River at Hazleton, Ind.												
MAY 1991												
01	1000	--	<0.015	--	0.062	0.045	--	--	<0.012	--	--	<0.005
06	1115	--	<0.015	--	<0.006	0.080	--	--	<0.012	--	--	<0.005
09	1215	--	<0.015	--	<0.006	0.073	--	--	<0.012	--	--	<0.005
13	1300	--	--	--	--	--	--	--	--	--	--	--
16	1130	--	--	--	--	--	--	--	--	--	--	--
20	1045	--	<0.015	--	<0.006	0.412	--	--	<0.012	--	--	<0.005
23	1100	--	0.042	--	<0.006	0.355	--	--	<0.012	--	--	0.002
28	1100	--	<0.015	--	<0.006	0.927	--	--	<0.012	--	--	<0.005
30	1200	--	<0.015	--	<0.006	1.04	--	--	<0.012	--	--	0.003
JUNE												
03	1200	--	<0.015	--	<0.006	0.506	--	--	<0.012	--	--	0.004
06	1145	--	<0.015	--	<0.006	0.437	--	--	<0.012	--	--	<0.005
10	1200	--	<0.015	--	<0.006	0.701	--	--	<0.012	--	--	<0.005
13	1100	--	0.021	--	<0.006	0.492	--	--	<0.012	--	--	<0.005
17	1200	--	<0.015	--	<0.006	0.184	--	--	<0.012	--	--	<0.005
20	1130	--	<0.015	--	<0.006	0.165	--	--	<0.012	--	--	<0.005
24	1215	--	<0.015	--	<0.006	0.277	--	--	<0.012	--	--	<0.005
27	1130	--	<0.015	--	<0.006	0.162	--	--	<0.012	--	--	<0.005
JULY 1991												
01	1145	--	<0.015	--	<0.006	0.101	--	--	<0.012	--	--	<0.005
03	1100	--	<0.015	--	<0.006	0.110	--	--	<0.012	--	--	<0.005
08	1200	--	<0.015	--	<0.006	0.093	--	--	<0.012	--	--	<0.005
11	1130	--	<0.015	--	<0.006	0.073	--	--	<0.012	--	--	<0.005
15	1200	--	<0.015	--	<0.006	0.152	--	--	<0.012	--	--	<0.005
18	1300	--	<0.015	--	<0.006	0.122	--	--	<0.012	--	--	<0.005
22	1300	--	<0.015	--	<0.006	0.097	--	--	<0.012	--	--	<0.005
25	1200	--	<0.015	--	<0.006	0.081	--	--	<0.012	--	--	<0.005
30	1145	--	<0.015	--	<0.006	0.088	--	--	<0.012	--	--	<0.005
AUGUST												
01	1145	--	<0.015	--	<0.006	0.069	--	--	<0.012	--	--	<0.005
06	1200	--	<0.015	--	<0.006	0.066	--	--	<0.012	--	--	<0.005
08	1300	--	<0.015	--	<0.006	0.054	--	--	<0.012	--	--	<0.005
12	1100	--	<0.015	--	<0.006	0.051	--	--	<0.012	--	--	<0.005

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chior diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Triallate diss (µg/L)	Trifluralin diss (µg/L)
03374100 - White River at Hazleton, Ind.--Continued												
AUGUST (cont.)												
15	1200	--	<0.015	--	<0.006	0.074	--	--	<0.012	--	--	<0.005
19	1115	--	<0.015	--	<0.006	0.057	--	--	<0.012	--	--	<0.005
22	1230	--	<0.015	--	<0.006	0.038	--	--	<0.012	--	--	<0.005
26	1245	--	<0.015	--	<0.006	0.037	--	--	<0.012	--	--	<0.005
29	1200	--	<0.015	--	<0.006	0.044	--	--	<0.012	--	--	<0.005
SEPTEMBER 1991												
09	1100	--	<0.015	--	<0.006	0.046	--	--	<0.012	--	--	<0.005
12	1100	--	<0.015	--	<0.006	0.047	--	--	<0.012	--	--	<0.005
19	1130	--	<0.015	--	<0.006	0.070	--	--	<0.012	--	--	<0.005
26	1200	--	<0.015	--	<0.006	0.059	--	--	<0.012	--	--	<0.005
OCTOBER												
03	1000	--	<0.015	--	<0.006	0.042	--	--	<0.012	--	--	<0.012
08	1100	--	<0.015	--	<0.006	0.033	--	--	<0.012	--	--	<0.012
17	1100	--	<0.015	--	<0.006	0.035	--	--	<0.012	--	--	<0.012
24	1100	--	<0.015	--	<0.006	0.034	--	--	<0.012	--	--	<0.012
28	1130	--	<0.015	--	<0.006	0.033	--	--	<0.012	--	--	<0.012
30	1130	--	<0.015	--	<0.006	0.058	--	--	<0.012	--	--	<0.012
NOVEMBER												
04	1130	--	<0.015	--	<0.006	0.052	--	--	<0.012	--	--	<0.012
13	1025	--	<0.015	--	<0.006	0.050	--	--	<0.012	--	--	<0.012
27	1200	--	<0.015	--	<0.006	0.063	--	--	<0.012	--	--	<0.012
DECEMBER												
18	1200	--	<0.015	--	<0.006	0.031	--	--	<0.012	--	--	<0.012
JANUARY 1992												
02	1200	--	<0.015	--	<0.006	<0.008	--	--	<0.012	--	--	<0.012
16	1235	<0.009	<0.015	<0.016	<0.006	0.019	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
30	1243	<0.009	<0.015	<0.016	<0.006	0.020	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
FEBRUARY												
13	1240	<0.009	<0.015	<0.016	<0.006	0.017	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
27	1200	<0.009	0.001	<0.016	<0.006	0.036	0.009	<0.030	<0.012	<0.008	<0.008	<0.012
MARCH												
05	1130	<0.009	<0.015	<0.016	<0.006	0.042	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
12	1115	<0.009	<0.015	<0.016	<0.006	0.034	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
19	1133	<0.009	<0.015	<0.016	<0.006	0.088	<0.015	<0.030	<0.012	<0.008	<0.008	0.004
26	1128	<0.009	<0.015	<0.016	<0.006	0.048	0.015	<0.030	<0.012	<0.008	<0.008	<0.012
APRIL												
02	1135	<0.009	<0.015	<0.016	<0.006	0.055	0.017	<0.030	<0.012	<0.008	<0.008	0.008
09	1102	<0.009	<0.015	<0.016	<0.006	0.082	0.037	<0.030	<0.012	<0.008	<0.008	0.004
16	1112	<0.009	<0.015	<0.016	<0.006	0.330	0.041	<0.030	<0.012	<0.008	<0.008	0.003
20	1030	<0.009	<0.015	<0.016	<0.006	0.170	0.021	<0.030	<0.012	<0.008	<0.008	0.004
24	1035	<0.009	<0.015	<0.016	<0.006	0.130	0.022	<0.030	<0.012	0.002	<0.008	0.006
29	1100	<0.009	<0.015	<0.016	<0.006	0.140	0.019	<0.030	<0.012	<0.008	<0.008	0.004
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.												
APRIL 1991												
10	1200	--	--	--	--	--	--	--	--	--	--	--
18	1045	--	--	--	--	--	--	--	--	--	--	--
23	1110	--	--	--	--	--	--	--	--	--	--	--

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiate diss (µg/L)	Trifluralin diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued												
MAY												
01	1040	--	<0.015	--	<0.006	0.035	--	--	<0.012	--	--	<0.012
07	1022	--	<0.015	--	<0.006	0.030	--	--	<0.012	--	--	<0.012
14	1045	--	--	--	--	--	--	--	--	--	--	--
21	1045	--	<0.015	--	<0.006	0.763	--	--	<0.012	--	--	0.002
29	1030	--	<0.015	--	<0.006	0.071	--	--	<0.012	--	--	<0.012
JUNE												
04	1135	--	<0.015	--	<0.006	0.122	--	--	<0.012	--	--	0.004
11	1045	--	<0.015	--	<0.006	0.089	--	--	<0.012	--	--	<0.012
18	1040	--	<0.015	--	<0.006	0.103	--	--	<0.012	--	--	<0.012
25	0946	--	<0.015	--	<0.006	0.120	--	--	<0.012	--	--	0.002
JULY 1991												
01	0950	--	<0.015	--	<0.006	0.058	--	--	<0.012	--	--	<0.012
09	1030	--	<0.015	--	<0.006	0.081	--	--	<0.012	--	--	<0.012
15	1100	--	<0.015	--	<0.006	0.083	--	--	<0.012	--	--	<0.012
22	1040	--	--	--	--	--	--	--	--	--	--	--
29	1110	--	--	--	--	--	--	--	--	--	--	--
AUGUST												
05	1050	--	--	--	--	--	--	--	--	--	--	--
12	1030	--	<0.015	--	<0.006	0.049	--	--	<0.012	--	--	<0.012
20	1030	--	<0.015	--	<0.006	0.047	--	--	<0.012	--	--	<0.012
27	0945	--	<0.015	--	<0.006	0.035	--	--	<0.012	--	--	<0.012
SEPTEMBER												
03	1040	--	<0.015	--	<0.006	0.036	--	--	<0.012	--	--	<0.012
10	1030	--	<0.015	--	<0.006	0.036	--	--	<0.012	--	--	<0.012
17	0952	--	<0.015	--	<0.006	0.049	--	--	<0.012	--	--	<0.012
23	1040	--	<0.015	--	<0.006	0.040	--	--	<0.012	--	--	<0.012
30	1122	--	<0.015	--	<0.006	0.032	--	--	<0.012	--	--	<0.012
OCTOBER 1991												
07	1125	--	<0.015	--	<0.006	0.019	--	--	<0.012	--	--	<0.012
15	0955	--	<0.015	--	<0.006	0.023	--	--	<0.012	--	--	<0.012
21	1020	--	<0.015	--	<0.006	0.028	--	--	<0.012	--	--	<0.012
29	0930	--	<0.015	--	<0.006	0.030	--	--	<0.012	--	--	<0.012
NOVEMBER												
06	1040	--	--	--	--	--	--	--	--	--	--	--
20	0920	--	<0.015	--	<0.006	0.027	--	--	<0.012	--	--	<0.012
DECEMBER												
05	1045	--	<0.015	--	<0.006	0.028	--	--	<0.012	--	--	<0.012
17	1010	--	<0.015	--	<0.006	0.017	--	--	<0.012	--	--	<0.012
JANUARY 1992												
02	1005	--	<0.015	--	<0.006	0.016	--	--	<0.012	--	--	<0.012
21	1030	<0.009	<0.015	<0.016	<0.006	0.016	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
FEBRUARY												
04	1125	<0.009	<0.015	<0.016	<0.006	0.010	<0.015	<0.030	<0.012	<0.008	<0.008	0.003
18	1025	<0.009	<0.015	<0.016	<0.006	0.013	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
MARCH 1992												
03	1025	<0.009	<0.015	<0.016	<0.006	0.010	0.016	<0.030	<0.012	<0.008	<0.008	<0.012
11	1030	<0.009	<0.015	<0.016	<0.006	0.009	<0.015	<0.030	<0.012	<0.008	<0.008	<0.012
16	1040	<0.009	<0.015	<0.016	<0.006	0.012	<0.015	<0.030	<0.012	<0.008	<0.008	0.003

Table 8.--Pesticide results from solid-phase extraction 1-liter method--Continued

Date	Time	Pronamide diss (µg/L)	Propa-chlor diss (µg/L)	Propanil diss (µg/L)	Propargite diss (µg/L)	Simazine diss (µg/L)	Tebuth-iuron diss (µg/L)	Terbacil diss (µg/L)	Terbufos diss (µg/L)	Thio-bencarb diss (µg/L)	Trialiate diss (µg/L)	Trifluralin diss (µg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued												
MARCH 1992 (cont.)												
24	1020	<0.009	<0.015	<0.016	<0.006	0.019	0.018	<0.030	<0.012	<0.008	<0.008	0.003
31	1030	<0.009	<0.015	<0.016	<0.006	0.017	0.014	<0.030	<0.012	<0.008	<0.008	<0.012
APRIL												
07	1015	<0.009	<0.015	<0.016	<0.006	0.029	0.030	<0.030	<0.012	<0.008	<0.008	0.004
14	1035	<0.009	<0.015	<0.016	<0.006	0.026	0.035	<0.030	<0.012	<0.008	<0.008	<0.012
22	1040	<0.009	<0.015	<0.016	<0.006	0.180	0.012	<0.030	<0.012	<0.008	<0.008	0.003
28	1104	<0.009	<0.015	<0.016	<0.006	0.150	0.016	<0.030	<0.012	<0.008	<0.008	0.004
MAY												
06	0953	<0.009	<0.015	<0.016	<0.006	0.076	0.012	<0.030	<0.012	<0.008	<0.008	0.003
12	0955	<0.009	<0.015	<0.016	<0.006	0.046	0.011	<0.030	<0.012	<0.008	<0.008	0.004
18	1025	<0.009	<0.015	<0.016	<0.006	0.047	0.012	<0.030	<0.012	<0.008	<0.008	<0.012
27	1030	<0.009	<0.015	<0.016	<0.006	0.160	0.015	<0.030	<0.012	<0.008	<0.008	0.003
JUNE 1992												
02	1045	<0.009	<0.015	<0.016	<0.006	0.480	0.020	<0.030	<0.012	<0.008	<0.008	0.004
09	1105	<0.009	<0.015	<0.016	<0.006	0.090	0.016	<0.030	<0.012	<0.008	<0.008	0.002
16	1105	<0.009	<0.015	<0.016	<0.006	0.045	0.023	<0.030	<0.012	<0.008	<0.008	0.003
23	1023	<0.009	<0.015	<0.016	<0.006	0.063	0.023	<0.030	<0.012	<0.008	<0.008	0.002
29	1235	<0.009	<0.015	<0.016	<0.006	0.100	0.013	<0.030	<0.012	<0.008	<0.008	0.003
JULY												
08	1012	<0.009	<0.015	<0.016	<0.006	0.072	0.029	<0.030	<0.012	<0.008	<0.008	0.004
14	1025	<0.009	<0.015	<0.016	<0.006	0.093	0.015	<0.030	<0.012	<0.008	<0.008	0.003
23	1040	<0.009	<0.015	<0.016	<0.006	0.088	0.030	<0.030	<0.012	<0.008	<0.008	0.003
28	1025	<0.009	<0.015	<0.016	<0.006	0.086	0.026	<0.030	<0.012	<0.008	<0.008	0.003

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data

[m^3/s, cubic meter per second; °C, degree Celsius; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Date	Time	Water dischsrge (m^3/s)	Temper-ature (°C)	pH	Specific conduct-ance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrete diss (mg/L)	Nitrogen emmonia + organic, totai (mg/L)	Phos-phorus, totai (mg/L)	Ortho-phos-phorus diss (mg/L)	Sus-pended sedi-ment (mg/L)
05420500 - Mississippi River at Clinton, Iowa												
APRIL 1991												
02	1040	3,140	8.0	7.5	305	0.13	<0.01	0.550	--	--	0.02	--
11	1100	2,700	11.5	8.2	332	0.07	0.02	1.78	--	--	0.04	--
16	1150	3,200	9.0	8.2	335	0.13	0.03	3.57	--	--	0.03	--
23	1030	3,170	11.5	8.6	295	0.01	0.02	2.48	--	--	0.02	--
MAY 1991												
01	1150	2,820	14.0	8.5	366	0.05	0.02	2.58	--	--	0.03	--
07	1115	2,660	11.0	8.6	372	0.04	0.04	3.56	--	--	0.03	--
10	1030	2,660	14.0	8.5	375	0.02	0.04	3.36	--	--	0.08	--
14	1120	2,970	19.0	8.4	355	0.02	0.02	2.88	--	--	0.02	--
17	1045	3,310	20.5	8.7	355	0.04	0.03	2.67	--	--	0.05	--
21	1140	3,570	18.5	8.3	326	0.07	0.05	3.05	--	--	0.04	--
24	1205	3,480	20.0	8.3	364	0.05	0.04	3.56	--	--	0.04	--
28	1210	2,970	24.0	8.4	370	0.03	0.06	3.74	--	--	0.04	--
31	1015	2,680	24.5	8.6	361	0.04	0.07	3.63	--	--	0.03	--
JUNE 1991												
04	1300	2,660	23.5	8.4	338	0.03	0.13	3.47	1.5	0.26	0.06	179
07	1100	3,260	23.0	8.2	303	0.06	0.10	2.90	1.2	0.15	0.06	--
10	1130	3,680	23.5	8.8	273	0.07	0.06	2.24	1.1	0.20	0.05	142
13	1410	3,710	25.5	8.3	279	0.05	0.07	2.23	1.1	0.13	0.06	130
17	1040	3,820	23.5	8.3	328	0.06	0.12	2.48	2.1	0.28	0.09	454
20	1345	3,120	26.0	8.2	362	0.08	0.12	3.18	1.1	0.10	0.08	148
24	1055	2,480	24.0	8.1	396	0.07	0.12	3.28	1.1	0.10	0.09	105
27	0915	2,320	25.0	8.3	425	0.02	0.11	3.69	--	--	0.08	103
JULY												
01	1025	2,260	27.5	8.5	368	0.02	0.05	2.85	1.4	0.21	0.08	79
05	1205	1,970	27.0	8.3	439	0.01	0.04	2.76	1.3	0.21	0.08	58
08	1130	1,860	25.5	8.3	457	<0.01	0.05	2.75	1.8	0.17	0.08	71
11	1300	1,910	26.0	8.4	467	0.02	0.04	2.76	1.4	0.17	0.07	54
15	1025	2,050	24.5	8.2	474	0.02	0.05	1.65	1.3	0.18	0.10	70
18	1200	1,840	26.5	--	486	0.10	0.02	2.28	--	--	0.06	--
22	1050	1,770	27.0	8.0	465	0.05	0.02	1.78	1.3	0.23	0.08	55
29	1230	1,770	22.5	8.2	412	0.05	0.01	1.19	1.7	0.23	0.07	82
AUGUST 1991												
06	1240	1,310	23.0	8.4	417	0.04	0.02	1.18	1.3	0.20	0.05	52
12	1125	1,640	23.0	7.7	417	0.03	0.04	1.46	1.1	0.24	0.10	64
19	1145	1,280	22.0	8.4	409	0.03	0.03	1.37	1.1	0.25	0.10	85
26	1205	1,010	25.5	8.4	443	0.02	0.02	1.18	1.3	0.20	0.04	54
SEPTEMBER												
03	1200	657	25.5	8.6	433	0.03	0.02	0.94	1.2	0.20	0.05	46
09	1500	643	25.0	8.6	422	0.02	0.01	0.77	1.4	0.25	0.05	59
17	1215	1,950	20.5	8.4	456	0.01	0.01	1.29	0.90	0.24	0.09	118
24	1215	1,960	14.0	8.2	441	0.03	0.02	1.08	1.3	0.27	0.09	103

Table 9.–Water-discharge, physical-property, nutrient, and suspended-sediment data–Continued

Date	Time	Water discherge (m^3/s)	Temper-ature (°C)	pH	Specific conduct-ance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite disa (mg/L)	Nitrogen, nitrate disa (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phos-phorus, total (mg/L)	Ortho-phos-phorus diss (mg/L)	Sus-pended sedi-ment (mg/L)
05420500 - Mississippi River st Clinton, Iowa–Continued												
OCTOBER												
01	1200	1,530	14.5	8.1	393	0.03	0.01	0.94	--	--	0.08	--
07	1230	1,240	11.0	8.4	395	0.05	0.02	1.48	0.70	0.18	0.09	43
15	1300	821	10.0	8.8	411	0.01	0.02	1.88	0.80	0.16	0.08	39
22	1230	818	11.5	8.3	424	0.02	<0.01	1.50	0.80	0.14	0.07	21
29	1330	1,010	13.0	8.4	413	0.08	0.02	1.28	0.70	0.13	0.04	21
NOVEMBER 1991												
05	1245	1,710	2.0	8.0	405	0.10	0.01	1.59	1.0	0.17	0.07	89
12	1255	2,390	0.5	7.8	325	0.09	0.02	1.48	0.90	0.18	0.06	49
26	1320	2,500	0.0	--	362	0.08	0.02	1.98	0.80	0.17	0.06	51
DECEMBER												
09	1200	1,580	0.0	8.2	398	0.11	0.02	2.58	0.70	0.90	0.05	7
22	1330	1,880	0.0	7.8	401	0.13	0.02	3.58	0.80	0.10	0.06	13
JANUARY 1992												
07	1210	1,610	0.5	7.7	391	0.11	0.02	2.98	0.60	0.10	0.06	4
22	1340	1,190	0.5	7.8	398	0.11	0.021	2.88	0.70	0.11	0.04	4
FEBRUARY												
03	1245	1,160	1.0	7.8	415	0.08	0.02	2.78	0.70	0.08	0.06	4
20	1230	1,630	0.5	7.9	400	0.18	0.02	2.68	0.90	0.15	0.10	49
MARCH 1992												
04	1100	1,750	4.5	8.2	390	0.06	0.03	2.27	0.80	0.14	0.06	17
13	1200	2,890	2.0	8.1	390	0.12	0.03	2.77	1.0	0.18	0.07	56
17	1400	3,600	3.0	8.2	356	0.11	0.03	2.27	1.0	0.18	0.05	88
24	1125	3,460	4.0	7.8	385	0.10	0.03	3.67	0.70	0.08	0.05	47
30	1155	2,890	5.0	8.0	408	0.15	0.03	4.17	0.60	0.08	0.04	40
APRIL												
06	1215	2,760	9.0	8.1	406	0.02	0.02	3.48	0.50	0.05	0.02	31
14	1130	2,270	8.5	8.0	400	<0.01	0.02	2.98	0.80	0.12	0.02	34
24	1145	3,510	9.0	8.1	355	0.06	0.02	2.98	0.50	0.10	0.04	135
28	1145	4,050	9.0	8.1	308	<0.01	0.01	2.09	0.50	0.06	0.02	101
MAY												
05	1115	3,480	14.0	8.4	345	0.02	0.01	1.89	0.80	0.12	0.02	115
12	1130	2,330	19.0	8.4	370	0.05	0.02	1.88	0.80	0.12	0.02	66
19	1130	1,560	19.0	8.8	385	0.02	0.02	1.78	0.60	0.08	0.03	47
26	1215	1,690	15.5	8.6	374	0.02	0.02	1.28	0.60	0.09	0.03	86
JUNE 1992												
01	1200	1,350	19.5	8.8	332	0.03	0.02	0.81	0.80	0.11	0.03	38
08	1235	929	22.0	8.4	378	0.09	0.02	0.81	0.70	0.10	0.07	27
16	1130	886	23.0	8.5	371	0.08	0.02	0.40	1.0	0.08	0.08	30
22	1230	1,190	21.0	8.3	385	0.12	0.05	0.76	0.60	0.12	0.10	41
29	1300	1,180	23.0	8.2	405	0.04	0.01	0.88	0.80	0.19	0.07	27
JULY												
08	0815	1,350	23.5	8.3	450	0.05	0.02	1.38	0.80	0.18	0.09	43
13	1225	1,710	24.5	8.4	458	0.06	0.03	2.47	0.90	0.20	0.10	54
20	1145	1,990	23.5	8.4	431	0.05	0.03	2.17	1.0	0.20	0.10	59
27	1215	1,530	22.0	8.4	430	.0.05	0.04	1.86	0.90	0.15	0.10	36

Table 9.--Water-discharge, physicai-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temper-ature (°C)	pH	Specific conduct-ance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + orgsnic, totai (mg/L)	Phos-phorus, totai (mg/L)	Ortho-phos-phorus diss (mg/L)	Sus-pended sedi-ment (mg/L)
05586100 - Illinois River st Valley City												
APRIL 1991												
05	1230	1,510	--	8.2	657	0.06	0.06	1.34	--	--	0.11	--
17	1330	1,230	--	7.0	670	0.06	0.07	5.33	--	--	0.07	--
26	1000	1,510	14.5	6.9	631	0.02	0.07	6.23	--	--	0.07	--
MAY												
03	1545	1,240	15.0	7.4	642	0.01	0.08	5.72	--	--	0.07	--
08	1245	1,650	16.0	7.0	529	0.07	0.06	4.84	--	--	0.08	--
10	1100	1,650	17.0	6.8	516	0.06	0.07	5.23	--	--	0.10	--
17	1145	1,260	22.5	7.8	642	0.09	0.08	5.72	--	--	0.06	--
19	1115	1,460	21.0	8.0	499	0.12	0.10	4.70	--	--	0.06	--
22	1715	1,420	21.0	7.5	495	0.07	0.12	6.38	--	--	0.11	--
29	1130	1,510	25.5	8.1	544	0.04	0.11	5.59	--	--	0.09	--
31	1045	1,820	25.0	8.1	468	0.06	0.10	4.60	--	--	0.07	--
JUNE 1991												
04	1215	1,550	27.0	7.9	585	0.05	0.13	5.67	--	--	0.10	--
06	1200	1,450	25.0	7.9	581	0.08	0.14	6.06	--	--	0.11	--
11	1345	1,140	25.0	7.9	627	0.04	0.11	5.69	0.90	0.28	0.14	--
14	1200	980	27.0	8.0	641	0.09	0.08	5.32	1.9	0.32	0.11	--
18	1130	855	27.5	8.1	651	0.05	0.10	4.60	1.9	0.35	0.11	--
20	1130	784	28.0	8.2	664	0.04	0.09	4.31	1.7	0.34	0.10	--
24	1130	493	28.0	7.9	661	0.12	0.16	3.34	1.6	0.33	0.11	--
27	1100	445	28.0	7.9	680	0.05	0.13	2.97	1.3	0.30	0.11	124
JULY												
01	0930	377	29.5	8.1	682	0.04	0.22	3.68	1.1	0.35	0.13	83
03	1100	346	30.0	7.6	666	0.05	0.13	2.57	0.90	0.24	0.11	86
09	1000	300	29.0	7.8	680	0.10	0.13	1.97	1.7	0.20	0.11	59
11	1045	303	29.0	8.2	740	0.16	0.17	1.53	1.0	0.30	0.15	66
18	1115	262	29.5	8.0	680	0.06	0.09	2.01	1.3	0.20	0.08	124
25	1340	253	29.5	8.0	690	0.14	0.09	1.31	0.80	0.26	0.12	38
31	1100	201	30.0	7.7	695	0.08	0.13	0.97	1.2	0.36	0.14	--
AUGUST 1991												
06	1015	275	26.5	7.9	690	0.07	0.22	1.08	1.1	0.33	0.14	68
13	1200	266	26.0	8.3	733	<0.01	0.20	1.50	0.90	0.42	0.27	60
21	1230	243	27.5	7.6	670	0.03	0.13	1.57	1.2	0.32	0.13	59
28	1015	193	29.5	7.7	685	0.01	0.21	1.79	1.3	0.34	0.13	45
SEPTEMBER												
03	1050	208	--	7.8	685	0.04	0.25	1.45	1.0	0.33	0.16	41
10	1200	360	27.0	7.7	630	<0.01	0.29	1.81	0.60	0.33	0.16	88
17	1100	263	--	7.9	650	<0.01	0.16	1.84	1.2	0.34	0.16	102
24	1100	175	19.5	7.7	640	0.04	0.13	1.97	0.80	0.29	0.16	53
OCTOBER												
01	1130	103	19.5	8.1	630	0.02	0.04	2.16	0.80	0.28	0.15	76
08	1330	728	14.5	7.4	484	0.10	0.04	1.76	1.3	0.58	0.14	476
15	1215	248	16.0	8.0	680	0.19	0.06	2.74	0.80	0.43	0.25	86
22	1130	170	14.0	8.0	696	0.18	0.08	2.82	0.80	0.32	0.24	38
NOVEMBER 1991												
05	1140	680	5.0	8.0	635	0.28	0.05	3.35	1.0	0.39	0.24	--
15	1130	385	5.5	7.8	724	0.18	0.07	4.13	1.1	0.40	0.18	90

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductence (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonie + organic, total (mg/L)	Phoaphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
05586100 - Illinois River at Valley City--Continned												
DECEMBER												
03	1030	725	4.5	8.2	700	0.09	0.05	5.95	1.3	0.53	0.14	344
18	1200	864	3.0	7.2	747	0.11	0.06	7.74	1.2	0.37	0.14	147
JANUARY 1992												
02	1330	564	3.5	7.9	749	0.17	0.06	5.94	1.1	0.32	0.13	101
15	1645	507	--	8.0	813	--	--	--	--	--	--	--
30	1345	493	2.5	8.1	828	0.24	0.10	6.70	1.2	0.43	0.20	92
FEBRUARY												
12	1200	413	4.0	8.1	862	0.26	0.05	5.55	1.1	0.39	0.17	100
28	1245	742	8.0	7.8	740	0.21	0.06	9.24	1.1	0.32	0.15	108
MARCH												
03	1100	716	8.5	7.8	773	0.07	0.05	8.95	1.0	0.31	0.10	111
10	1015	575	11.0	8.3	747	0.05	0.05	7.15	--	--	0.12	--
17	1050	649	7.0	8.0	785	0.09	0.06	6.94	1.0	0.35	0.16	92
25	1045	708	8.5	8.2	813	0.03	0.04	6.76	1.1	0.34	0.12	115
06805500 - Platte River at Louisville, Nebr.												
APRIL 1991												
09	1250	144	--	8.7	635	0.03	0.01	0.16	--	--	0.14	--
16	1030	215	11.5	8.2	533	0.24	0.05	1.35	--	--	0.24	--
24	1030	162	13.0	8.0	546	0.02	0.07	0.73	--	--	0.18	--
29	1000	149	11.0	8.8	595	<0.01	0.01	0.29	--	--	0.10	--
MAY												
06	1115	244	10.0	8.4	470	0.04	0.02	0.68	--	--	0.14	--
09	0940	206	18.0	8.3	588	0.03	0.03	0.97	--	--	0.18	--
13	1110	183	--	8.7	544	0.01	0.02	0.29	--	--	0.10	--
16	1130	161	23.0	8.9	483	0.04	<0.01	<0.05	--	--	0.10	--
21	0945	255	19.0	8.2	445	0.09	0.05	1.25	--	--	0.19	--
24	0740	179	22.0	8.0	480	0.04	0.03	0.74	--	--	0.18	--
29	1015	306	27.0	8.5	269	0.05	0.01	0.78	--	--	0.14	--
31	0735	292	24.0	7.5	555	0.07	0.03	1.27	--	--	0.42	--
JUNE 1991												
04	0800	572	24.0	6.3	437	0.03	0.03	1.27	--	--	0.25	--
07	1415	1,000	--	6.4	347	0.24	0.08	1.72	--	--	0.15	--
11	1045	374	23.0	6.1	491	0.08	0.05	1.25	--	--	0.26	--
14	0750	714	22.0	6.4	360	0.03	0.04	1.26	--	--	0.15	--
18	0935	295	--	7.4	540	0.02	0.04	1.16	--	--	0.22	--
21	1020	206	23.0	6.3	521	0.04	<0.01	0.86	--	--	0.18	--
24	1110	217	22.0	7.4	540	0.05	<0.01	1.20	--	--	0.22	--
27	1020	153	26.0	6.3	678	<0.01	--	--	--	--	--	--
JULY												
01	0950	102	28.0	6.4	611	0.02	<0.01	<0.05	--	--	0.10	--
03	0950	144	26.0	6.1	600	<0.01	<0.01	1.20	--	--	0.18	--
08	1100	65.7	25.0	6.3	714	0.02	0.02	0.17	--	--	0.15	--
11	1020	125	22.5	6.8	432	0.04	0.03	0.53	--	--	0.13	--
15	0950	121	25.5	9.0	558	--	--	--	--	--	--	--
25	1000	49.3	24.0	8.4	746	0.05	<0.01	<0.05	--	--	0.06	--
29	0940	48.4	21.0	8.8	741	0.05	<0.01	<0.05	--	--	0.08	--

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia disa (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
06805500 - Platte River at Louisville, Nebr.--Continued												
AUGUST 1991												
06	1130	47.9	20.0	8.4	1,190	0.02	0.06	0.13	--	--	0.30	--
12	1115	45.3	22.5	8.8	818	<0.01	<0.01	<0.05	--	--	0.16	--
20	1000	50.4	21.0	8.8	769	<0.01	<0.01	<0.05	--	--	0.17	--
27	0940	34.6	24.0	8.6	1,080	<0.01	<0.01	<0.05	--	--	0.23	--
SEPTEMBER												
03	0950	28.6	25.0	8.6	1,430	0.06	0.01	0.055	--	--	0.43	--
10	1030	34.0	24.0	8.5	734	<0.01	<0.01	<0.05	2.1	0.56	0.19	179
17	1115	71.1	24.0	8.6	595	0.02	0.01	<0.05	1.9	0.67	0.15	462
24	1135	53.2	13.0	8.8	781	0.02	0.04	0.09	1.0	0.52	0.23	133
OCTOBER												
01	1115	53.0	14.0	8.5	887	0.01	<0.01	<0.05	1.1	0.44	0.17	109
08	1030	58.1	13.0	8.4	845	0.03	0.02	0.16	1.3	0.44	0.23	108
15	1130	67.7	9.0	8.3	879	<0.01	0.02	0.14	1.1	0.40	0.20	74
24	1200	79.0	12.0	8.4	757	0.02	0.03	0.43	--	--	0.25	107
NOVEMBER												
05	1200	68.0	0.5	8.1	1,140	0.37	0.04	0.96	0.90	0.51	0.37	68
19	1140	170	6.5	8.0	590	0.28	0.03	1.17	1.6	0.52	0.22	--
DECEMBER 1991												
05	1130	62.6	1.0	7.9	755	0.28	0.03	1.37	0.80	0.36	0.27	119
20	1000	135	0.5	8.1	669	0.47	0.03	1.67	1.4	0.46	0.27	84
30	1020	169	2.0	8.0	647	0.16	0.05	1.45	0.30	0.24	0.26	402
JANUARY 1992												
14	1000	186	0.0	8.1	615	0.17	0.01	1.49	1.2	0.45	0.19	234
28	1000	188	0.0	8.0	590	0.12	<0.01	1.40	0.60	0.30	0.20	268
FEBRUARY												
11	1030	176	0.5	8.1	724	0.11	0.02	1.28	0.90	0.37	0.19	168
27	1000	198	6.0	8.1	660	0.06	0.01	1.49	0.90	0.36	0.15	153
MARCH												
05	1010	197	12.0	8.1	562	0.05	<0.01	1.40	1.1	0.37	0.16	181
09	0945	281	11.0	8.0	643	0.07	0.03	1.47	1.1	0.34	0.17	599
17	1145	297	11.0	8.5	705	0.05	0.02	1.38	0.80	0.30	0.17	446
23	1040	249	7.5	8.1	723	0.03	0.01	1.19	0.50	0.21	0.15	130
31	1100	297	8.0	8.1	721	0.04	0.01	1.49	1.4	0.46	0.13	334
APRIL 1992												
07	1100	201	15.0	8.3	706	0.06	<0.01	1.10	1.0	0.34	0.11	72
14	1010	182	9.0	8.4	710	0.04	0.01	0.62	1.0	0.24	0.09	193
23	1020	206	7.0	8.1	659	0.04	<0.01	0.95	<0.20	0.18	0.12	122
29	1030	172	14.0	7.9	615	0.01	0.02	1.88	0.30	0.23	0.14	186
MAY												
07	1100	134	16.0	8.0	488	0.04	<0.01	<0.05	<0.20	0.08	<0.01	240
06934500 - Missouri River at Hermann, Mo.												
APRIL 1991												
09	1331	1,180	--	8.2	570	0.04	0.02	1.68	--	--	0.11	--
16	1030	3,260	16.5	8.8	429	0.05	0.02	0.87	--	--	0.06	--
24	1200	3,460	14.0	7.9	365	0.07	0.17	2.13	--	--	0.06	--

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia disa (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diaa (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
06934500 - Missouri River at Hermann, Mo.--Continued												
MAY												
01	1130	3,460	17.5	8.0	502	0.02	0.05	2.45	0.60	--	0.07	--
06	1100	4,220	16.5	7.6	361	0.08	0.07	1.63	2.7	0.43	0.13	3,400
09	0930	4,050	16.5	7.9	375	0.03	0.05	1.55	--	--	0.06	--
13	1000	2,920	18.0	8.1	429	0.03	0.04	1.76	--	--	0.07	--
16	1020	3,620	--	8.1	370	0.02	0.04	1.36	--	--	0.06	--
20	1000	2,460	22.0	7.9	515	0.04	0.04	2.06	--	--	0.07	--
24	1000	2,450	23.0	8.1	549	0.01	<0.01	2.20	--	--	0.08	--
28	1030	3,230	24.0	7.9	406	0.02	<0.01	1.80	--	--	0.08	--
31	1040	3,060	25.5	8.2	430	<0.01	<0.01	1.80	--	--	0.07	--
JUNE 1991												
03	1000	3,510	26.5	8.1	538	<0.01	<0.01	2.20	--	--	0.09	--
06	1000	3,290	25.5	8.0	433	0.02	0.01	2.39	--	--	0.10	--
11	1000	2,830	25.0	8.1	539	0.01	<0.01	2.90	1.8	0.47	0.13	2,760
13	1000	2,410	26.0	8.2	458	0.04	0.01	2.59	3.4	0.15	0.14	2,510
21	1000	2,630	27.5	7.9	470	0.02	0.02	2.48	4.2	0.67	0.12	--
25	1130	2,070	28.0	8.2	486	0.06	0.02	2.98	1.4	0.46	0.15	1,470
27	1045	2,020	29.0	8.1	551	0.01	<0.01	2.90	0.70	0.61	0.13	1,220
JULY												
01	1100	1,580	30.0	8.2	593	0.02	<0.01	2.50	1.0	0.33	0.13	382
03	1000	1,640	28.5	8.2	613	0.01	<0.01	2.40	0.80	0.28	0.15	--
08	1030	1,370	30.0	8.3	662	<0.01	<0.01	2.10	0.40	0.26	0.14	136
11	1000	1,630	27.5	8.1	563	0.03	0.02	1.68	0.70	0.32	0.13	201
15	1030	2,390	28.0	7.6	463	<0.01	<0.01	1.60	2.3	0.49	0.09	1,650
22	1015	1,250	31.0	8.2	642	0.02	<0.01	1.30	0.70	0.18	0.13	161
29	1100	1,160	29.0	8.2	678	0.03	0.02	0.98	0.80	0.20	0.11	109
AUGUST												
05	1000	1,130	28.0	7.8	690	0.05	0.01	0.34	0.40	0.19	0.09	75
13	1100	1,130	28.5	8.3	667	0.02	<0.01	0.49	0.70	0.20	0.09	81
19	1000	1,150	27.5	8.3	694	<0.01	<0.01	0.60	0.70	0.17	0.09	--
27	1100	1,060	28.0	8.3	681	<0.01	<0.01	0.57	0.70	0.19	0.09	70
SEPTEMBER 1991												
05	1030	1,120	27.0	8.3	712	<0.01	<0.01	0.17	0.60	0.23	0.05	79
09	1000	1,080	27.0	8.0	750	0.01	<0.01	0.33	0.50	0.21	0.05	66
16	1000	1,190	27.0	8.0	662	0.02	0.02	0.48	0.70	0.23	0.10	115
23	0945	1,260	17.5	7.8	646	0.07	<0.01	0.47	0.90	0.19	0.10	228
OCTOBER												
01	1030	1,100	19.0	8.1	709	0.01	<0.01	0.21	0.60	0.21	0.08	104
07	1000	1,400	16.0	7.5	556	0.03	<0.01	0.28	0.60	0.50	0.08	375
15	1100	1,130	16.0	8.1	649	0.02	<0.01	0.19	0.40	0.16	0.07	127
21	1000	1,110	14.0	8.4	706	<0.01	<0.01	0.21	0.40	0.15	0.07	121
29	1000	1,140	17.5	8.1	728	0.02	<0.01	0.39	0.60	0.21	0.08	124
NOVEMBER												
04	1030	1,310	6.5	8.3	614	0.04	<0.01	0.48	0.60	0.22	0.07	119
21	1030	1,290	11.0	7.8	560	0.18	0.02	0.97	0.70	0.22	0.09	380
DECEMBER												
06	1240	1,310	5.0	7.6	530	0.10	0.01	0.97	0.70	0.25	0.08	172
16	1130	923	5.5	7.7	652	0.11	0.03	1.57	0.70	0.21	0.10	117

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonie diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonie + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
06934500 - Missouri River at Hermann, Mo.--Continued												
JANUARY 1992												
02	1030	1,080	5.5	7.5	592	0.10	0.03	1.47	0.90	0.30	0.08	157
16	1200	1,210	2.5	8.0	528	0.04	0.02	1.38	0.40	0.23	0.23	93
28	1300	991	3.0	8.1	668	0.07	0.02	1.58	0.40	0.16	0.10	62
FEBRUARY												
10	1000	864	3.0	8.0	702	0.04	0.02	1.48	0.40	0.19	0.11	--
24	1200	1,630	7.5	7.6	525	0.05	0.02	1.78	1.0	0.37	0.07	346
MARCH												
03	1100	1,160	8.5	8.2	532	0.03	0.02	1.98	0.80	0.36	0.09	762
12	1200	1,870	10.0	7.6	525	0.02	0.03	1.57	0.80	0.32	0.09	401
20	0830	1,800	8.0	7.5	550	0.04	0.02	2.28	0.40	0.15	0.12	436
26	1130	2,070	9.0	7.8	437	0.04	0.04	2.26	0.50	0.14	0.08	661
APRIL												
01	1000	2,490	10.0	7.9	539	0.02	0.01	1.59	0.50	0.15	0.07	224
06	1230	1,610	11.0	7.8	572	0.03	0.01	1.89	0.60	0.25	0.09	337
14	1030	1,960	15.0	7.5	638	0.04	0.01	1.59	0.30	0.14	0.09	282
21	1300	3,290	15.5	7.4	535	0.03	0.02	1.18	0.60	0.19	0.07	1,070
29	1015	3,740	14.0	7.4	422	0.07	0.09	1.81	0.40	0.06	0.06	1,190
MAY 1992												
12	1000	1,500	--	8.1	656	0.02	<0.01	2.20	<0.20	0.10	0.09	--
21	1200	1,440	22.5	8.3	586	0.05	<0.01	1.20	0.50	0.17	0.08	70
26	1130	1,750	19.5	7.5	592	0.02	<0.01	2.20	2.5	1.0	0.12	872
JUNE												
01	1330	1,510	22.0	8.0	704	0.03	0.02	2.78	1.4	0.44	0.12	369
09	1030	1,420	23.0	8.2	681	0.04	<0.01	1.50	0.20	0.12	0.09	103
15	1230	1,780	23.5	7.8	617	0.03	0.02	1.38	1.1	0.32	0.09	354
22	0945	2,160	25.0	8.0	619	0.03	0.01	1.19	0.40	0.21	0.10	321
30	1130	1,460	26.0	7.7	599	0.04	0.01	1.29	1.1	0.46	0.11	381
JULY												
07	0930	1,310	28.0	8.0	688	0.03	<0.01	1.30	0.60	0.34	0.12	
14	1200	2,110	27.0	7.6	598	0.02	<0.01	1.20	0.80	0.33	0.09	
21	1030	3,770	26.5	7.8	560	0.06	0.01	1.29	0.30	0.15	0.07	
28	1230	6,830	26.5	8.2	396	0.03	0.01	1.39	1.8	0.72	0.08	
07022000 - Mississippi River at Thebes, Ill.												
APRIL 1991												
11	1500	8,070	14.5	7.8	489	0.02	0.08	5.02	--	--	0.09	--
18	1130	10,900	17.0	7.8	425	0.04	0.07	2.63	--	--	0.07	--
24	0930	12,900	13.5	7.8	408	0.02	0.05	3.75	--	--	0.06	--
29	1230	10,600	16.5	7.9	454	0.02	0.05	4.75	0.70	--	0.06	713
MAY												
07	1345	11,100	17.0	7.8	407	0.03	0.06	3.94	--	--	0.08	--
09	0900	12,300	17.0	7.8	377	0.02	0.06	3.44	--	--	0.08	--
13	1330	11,600	--	7.9	393	0.04	0.07	3.73	--	--	0.07	557
16	1200	10,800	--	7.9	482	<0.01	0.07	4.33	--	--	0.08	--
20	1430	10,800	23.5	7.8	434	0.03	0.07	4.13	--	--	0.06	582
23	0916	9,770	22.0	7.7	433	0.04	0.04	3.96	--	--	0.07	--
28	1300	10,800	25.5	8.2	468	<0.01	0.02	4.08	--	--	0.02	--
30	1330	11,800	25.0	8.0	422	<0.01	<0.01	4.10	0.80	0.24	0.08	--

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
07022000 - Mississippi River at Thebes, Ill.--Continued												
JUNE 1991												
03	1345	11,600	25.5	7.9	392	0.03	0.02	4.88	--	--	0.09	--
06	1045	11,200	26.0	8.2	478	0.01	0.01	4.89	--	--	0.10	--
10	1400	9,910	26.5	7.9	471	0.04	0.01	4.99	1.0	0.13	0.12	585
13	1500	9,600	26.0	8.2	489	0.03	<0.01	5.10	2.1	0.15	0.13	802
18	1430	9,120	26.0	7.7	464	0.02	<0.01	4.60	1.8	0.18	0.10	462
20	1100	9,400	26.5	8.1	468	0.02	<0.01	4.40	1.3	0.17	0.10	313
24	1300	8,920	29.0	8.1	451	0.04	0.02	4.38	1.9	0.73	0.12	1210
27	1400	8,100	27.0	8.2	434	<0.01	<0.01	4.30	0.30	0.69	0.12	627
JULY												
01	1320	6,940	28.0	8.2	495	0.10	0.01	4.79	1.6	0.44	0.13	347
03	0950	6,660	28.0	8.2	492	0.03	0.01	4.69	1.3	0.38	0.14	250
08	1330	5,580	29.5	8.2	507	<0.01	0.02	4.38	1.0	0.30	0.13	--
11	1400	5,720	29.0	8.3	515	0.02	0.04	3.76	0.90	0.24	0.13	93
18	0930	5,980	28.0	8.1	472	0.03	0.01	2.89	1.0	0.47	0.12	544
23	1300	4,760	30.5	8.2	480	0.02	0.03	2.47	1.4	0.30	0.07	226
30	1000	4,470	26.5	8.6	539	0.03	0.01	2.59	0.60	0.18	0.06	74
AUGUST 1991												
06	1300	3,460	29.0	8.5	568	0.04	0.02	1.18	1.2	0.12	0.05	106
13	0930	3,740	25.0	8.7	538	0.02	0.01	1.39	1.2	0.19	0.05	76
20	1330	3,790	29.0	8.0	556	<0.01	0.01	1.49	1.1	0.18	0.07	152
29	1100	2,920	28.5	8.6	571	0.13	0.03	1.47	1.2	0.22	0.05	64
SEPTEMBER												
03	1500	2,730	28.5	8.1	565	0.02	0.07	1.23	0.90	0.24	0.07	70
11	1000	2,300	26.5	8.2	622	0.03	0.07	0.84	0.60	0.24	0.07	69
17	1400	3,260	27.5	8.7	577	0.02	0.03	0.85	0.30	0.245	0.11	--
26	0930	3,790	18.5	8.0	545	0.03	0.03	0.68	0.70	0.21	0.12	105
OCTOBER												
02	1300	3,310	19.0	8.2	540	0.03	0.01	1.09	0.80	0.26	0.12	76
09	1030	4,050	17.0	8.0	561	0.04	0.03	1.07	0.70	0.29	0.12	102
16	1430	2,760	16.0	8.1	553	0.06	0.02	0.77	0.50	0.20	0.09	106
23	0945	2,510	17.0	8.3	593	0.05	0.01	0.88	0.60	0.21	0.10	56
30	1400	3,510	17.0	7.7	550	0.08	0.02	1.28	0.90	0.27	0.11	88
NOVEMBER												
07	0800	4,620	7.5	8.1	573	0.14	0.02	1.28	0.80	0.28	0.10	91
20	1030	4,760	11.0	7.9	445	0.22	0.02	2.08	1.7	0.63	0.10	780
DECEMBER 1991												
05	1045	6,770	3.0	7.9	485	0.13	0.02	2.98	1.1	0.39	0.11	81
18	1100	6,120	4.0	8.1	518	0.13	0.02	4.08	1.2	0.31	0.11	156
30	1400	6,830	4.0	7.9	487	0.15	0.03	4.27	1.0	0.30	0.09	166
JANUARY 1992												
24	0930	3,310	2.5	8.1	570	0.16	0.03	3.67	0.70	0.21	0.10	177
FEBRUARY												
04	1030	3,910	4.0	8.2	583	0.10	0.03	3.77	0.70	0.18	0.10	114
19	0930	5,180	4.5	8.4	510	0.10	0.02	2.78	1.2	0.31	0.08	250
MARCH												
04	0945	4,810	8.0	7.7	494	0.12	0.03	3.77	0.90	0.24	0.10	200
09	1300	5,210	12.0	8.0	522	0.11	0.04	4.26	1.1	0.27	0.11	72

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductence (µS/cm)	Nitrogen, emmonie diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonie + organic, total (mg/L)	Phosphorua, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
07022000 - Mississippi River st Thebes, Ill.--Continued												
MARCH (cont.)												
18	0945	7,000	8.0	7.6	502	0.05	0.03	3.57	0.60	0.24	0.09	215
24	1330	9,630	6.0	7.5	472	0.06	0.03	2.97	0.90	0.27	0.08	568
APRIL												
02	0930	8,580	7.0	7.8	475	0.11	0.02	3.38	0.80	0.23	0.09	224
07	1330	7,140	10.0	7.8	497	0.04	0.01	2.39	0.80	0.21	0.04	203
15	1030	5,660	14.0	8.4	553	0.06	0.02	3.38	1.0	0.19	0.06	141
23	1330	10,300	15.5	7.6	448	0.06	0.05	2.25	0.60	0.14	0.06	501
29	1100	10,700	11.5	8.1	436	0.06	0.06	3.14	1.1	0.38	0.06	--
MAY 1992												
06	1300	8,840	16.0	7.4	466	0.03	0.03	4.07	0.30	0.10	0.07	294
14	0930	6,200	18.0	8.1	497	0.06	0.03	3.07	0.30	0.08	0.07	--
19	1300	4,500	24.0	8.5	519	0.06	0.04	2.66	0.40	0.14	0.07	77
28	0900	4,980	20.0	8.3	544	0.05	0.03	2.27	0.50	0.09	0.07	84
JUNE												
02	1300	4,130	20.0	8.0	559	0.04	0.05	2.45	1.2	0.37	0.07	230
09	0930	3,740	23.0	8.3	553	0.09	0.05	2.45	0.50	0.11	0.09	97
16	1330	3,570	25.0	8.2	555	0.03	0.03	1.77	1.2	0.19	0.08	78
25	1000	4,220	24.0	7.8	545	0.04	0.04	1.66	0.90	0.20	0.09	--
JULY												
01	1300	3,710	25.0	7.9	493	0.02	0.03	1.97	1.2	0.48	0.10	
09	0915	3,880	26.5	8.2	545	0.06	0.05	1.45	0.70	0.24	0.09	
15	1230	5,470	27.0	8.3	504	0.02	<0.01	1.20	1.0	0.34	0.08	
23	1000	7,930	28.0	8.0	437	0.04	<0.01	3.20	0.40	0.17	0.13	
28	1300	8,160	26.5	7.9	525	0.04	<0.01	3.10	0.80	0.30	0.12	
03374100 - White River at Hazleton, Ind.												
MAY 1991												
01	1000	399	17.5	7.9	436	0.01	0.01	2.09	0.50	0.11	0.03	51
06	1115	337	17.5	8.0	444	<0.01	<0.01	1.60	0.80	0.08	0.02	20
09	1215	329	17.5	8.2	481	<0.01	0.01	1.59	0.80	0.11	<0.01	67
13	1300	269	20.5	8.0	494	0.01	0.02	1.58	0.80	0.16	0.02	116
16	1130	228	23.5	8.2	568	0.01	0.02	1.18	1.4	0.05	<0.01	87
20	1045	246	24.0	8.1	572	0.02	0.02	1.48	0.90	0.19	<0.01	102
23	1100	282	24.5	8.0	537	0.03	0.04	2.16	0.90	0.03	0.02	148
28	1100	269	26.0	7.8	523	0.02	0.12	3.98	1.7	0.24	0.09	161
30	1200	240	27.5	7.9	540	<0.01	0.03	3.07	0.80	0.23	0.07	130
JUNE												
03	1200	223	28.5	7.9	511	0.05	0.05	3.05	3.1	0.32	0.07	229
06	1145	312	27.0	7.9	537	<0.01	0.03	3.27	0.70	0.10	0.11	294
10	1200	187	26.5	--	522	<0.01	0.01	2.89	0.80	0.25	0.08	133
13	1100	153	27.0	8.3	609	0.02	0.02	2.48	1.2	0.20	0.06	84
17	1200	140	27.5	8.3	581	0.04	0.02	1.28	1.5	0.21	0.02	377
20	1130	138	28.5	8.2	583	0.01	0.02	0.740	1.4	0.14	<0.01	101
24	1215	121	27.5	8.3	577	0.01	0.02	0.860	1.5	0.17	<0.01	86
27	1130	105	29.0	8.4	564	0.02	0.02	0.180	1.1	0.15	0.06	84
JULY 1991												
01	1145	100	31.0	8.2	595	0.03	<0.01	<0.050	1.2	0.13	<0.01	66
03	1100	101	30.0	8.1	560	0.01	<0.01	<0.050	1.3	0.14	0.02	68

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
03374100 - White River at Hazleton, Ind.--Continned												
JULY 1991 (cont.)												
08	1200	86.4	31.0	8.2	545	0.05	<0.01	<0.050	1.2	0.13	0.01	68
11	1130	82.7	29.5	8.1	561	0.02	<0.01	<0.050	1.3	0.13	<0.01	48
15	1200	147	27.5	7.7	386	0.05	0.10	1.60	2.3	0.33	0.03	336
18	1300	100	30.0	8.8	467	0.01	0.02	0.090	1.1	0.17	0.02	47
22	1300	74.5	32.0	8.4	510	<0.01	<0.01	<0.050	1.3	0.02	<0.01	56
25	1200	65.4	29.0	8.3	573	<0.01	<0.01	<0.050	1.4	0.11	<0.01	54
30	1145	55.5	27.5	8.2	600	<0.01	0.01	--	1.8	0.18	<0.01	222
AUGUST												
01	1145	52.1	29.0	8.2	625	<0.01	<0.01	<0.050	1.0	0.14	<0.01	36
06	1200	49.3	28.0	8.3	664	<0.01	<0.01	<0.050	1.1	0.12	<0.01	31
08	1300	54.4	29.5	8.4	656	0.03	0.01	0.044	0.60	0.11	<0.01	36
12	1100	62.3	28.0	8.1	647	0.02	<0.01	<0.050	1.4	0.13	0.02	46
15	1200	60.3	27.0	8.4	690	0.01	0.01	0.240	1.7	0.14	<0.01	46
19	1115	50.4	28.0	8.2	646	<0.01	<0.01	<0.050	1.1	0.15	0.02	48
22	1230	66.0	28.0	8.3	643	<0.01	<0.01	<0.050	1.2	0.13	<0.01	46
26	1245	56.9	29.5	8.4	635	0.02	0.02	--	1.4	0.09	<0.01	49
29	1200	47.9	29.5	8.1	702	0.03	0.01	0.180	0.70	0.14	<0.01	38
SEPTEMBER 1991												
09	1100	77.9	27.5	8.2	614	<0.01	<0.01	<0.050	1.3	0.17	<0.01	60
12	1100	52.7	28.5	8.5	597	<0.01	0.02	0.038	1.2	0.11	<0.01	31
19	1130	41.3	23.0	8.3	651	0.02	0.01	0.260	1.2	0.12	0.01	35
26	1200	36.2	18.5	8.7	612	<0.01	<0.01	<0.050	1.4	0.14	<0.01	30
OCTOBER												
03	1000	32.9	21.5	8.4	701	<0.01	<0.01	<0.050	1.4	0.16	<0.01	33
08	1100	32.3	16.0	8.5	655	<0.01	<0.01	<0.050	1.3	0.14	<0.01	29
17	1100	31.4	14.0	8.7	767	<0.01	<0.01	<0.050	1.2	0.20	<0.01	77
24	1100	28.9	17.5	8.4	766	0.10	0.02	0.110	1.2	0.25	0.04	73
28	1130	100	20.5	8.2	771	0.05	0.03	0.610	1.3	0.28	0.02	98
30	1130	152	19.5	7.6	477	0.10	0.03	0.890	1.4	0.52	0.05	279
NOVEMBER												
04	1130	83.8	9.5	8.3	572	0.06	0.01	0.940	0.70	0.19	0.06	66
13	1025	52.7	8.0	8.4	715	0.06	0.03	1.47	0.40	0.10	0.10	26
27	1200	154	6.5	8.2	582	0.04	0.02	2.38	0.80	0.26	0.08	89
DECEMBER												
18	1200	128	5.5	8.2	600	0.04	0.02	2.78	0.50	0.17	0.10	32
JANUARY 1992												
02	1200	130	6.0	8.2	595	0.03	0.04	2.66	0.40	0.11	0.07	21
16	1235	170	2.0	8.2	611	0.14	0.02	2.78	0.90	0.28	0.11	63
30	1243	163	4.5	8.2	662	0.12	0.04	3.86	0.80	0.11	0.06	25
FEBRUARY												
13	1240	109	5.5	8.5	690	<0.01	0.01	3.19	0.60	0.12	0.07	21
27	1200	172	9.0	8.3	610	<0.01	0.02	3.88	0.60	0.15	0.05	99
MARCH												
0	1130	121	14.0	8.5	635	0.01	0.01	2.59	0.90	0.22	0.04	72
12	1115	120	9.0	8.6	651	<0.01	0.01	1.69	0.90	0.15	0.04	41
19	1133	159	9.5	8.3	674	0.01	0.02	1.88	0.80	0.20	0.05	63
26	1128	262	9.5	7.9	478	0.06	0.03	2.47	0.50	0.19	0.05	115

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Weter discharge (m^3/s)	Temper-eture (°C)	pH	Specific conduct-ance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phos-phorus, total (mg/L)	Ortho-phos-phorus diss (mg/L)	Sus-pended sedi-ment (mg/L)
03374100 - White River at Hazleton, Ind.--Continued												
APRIL												
02	1135	331	9.0	7.8	456	0.04	0.02	2.58	0.90	0.28	0.08	142
09	1102	215	14.0	8.2	559	0.01	0.02	2.48	0.70	0.20	0.09	68
16	1112	247	18.0	8.1	552	<0.01	0.02	2.38	0.90	0.25	0.07	95
20	1030	606	17.5	7.6	340	0.06	0.03	1.67	1.0	0.32	0.06	368
24	1035	1,140	17.5	7.6	385	0.05	0.06	3.24	1.6	0.26	0.05	155
29	1100	447	14.0	7.8	512	0.06	0.04	4.26	0.40	0.09	0.04	176
MAY 1992												
06	1115	257	15.5	8.1	570	<0.01	0.01	3.09	0.20	0.10	0.08	103
12	1130	201	19.5	8.3	561	0.02	0.01	2.19	<0.20	0.07	0.04	82
20	1130	150	22.5	8.4	609	<0.01	0.02	1.38	1.0	0.19	0.02	82
27	1100	153	19.5	8.2	583	0.01	0.02	1.38	1.1	0.23	0.02	--
JUNE												
04	1115	120	21.0	8.5	596	<0.01	0.01	1.49	0.40	0.07	0.02	109
10	1115	149	25.0	8.3	640	<0.01	0.02	0.840	0.40	0.06	<0.01	201
19	1100	86.9	27.5	8.3	590	0.02	0.01	0.610	1.2	0.25	0.03	238
23	1130	439	23.0	7.8	450	0.05	0.07	2.83	1.8	0.70	0.07	527
25	1115	547	22.5	7.7	345	0.10	0.12	4.28	1.6	0.58	0.18	383
29	1115	209	24.5	7.9	482	0.04	0.03	3.47	0.40	0.18	0.09	190
JULY												
02	1215	142	27.0	8.2	538	0.02	0.01	2.79	0.40	0.14	0.08	110
10	1130	234	27.0	7.8	396	0.02	0.05	2.35	1.1	0.45	0.10	271
16	1130	479	26.5	7.7	394	0.05	0.04	2.26	1.2	0.43	0.09	296
23	1145	833	24.5	7.6	351	0.07	0.06	2.44	1.0	0.31	0.15	274
31	1045	784	25.0	7.7	402	0.04	0.03	2.17	0.40	0.11	0.07	169
AUGUST 1992												
06	1100	532	24.0	7.8	416	0.03	0.02	2.48	0.20	0.12	0.09	--
12	1100	558	25.0	7.8	314	<0.01	0.01	1.29	1.0	0.36	0.06	--
20	1145	260	24.0	7.8	373	0.04	0.01	0.420	0.70	0.23	0.04	--
26	1130	116	27.0	8.2	534	0.04	0.01	0.500	0.30	0.06	0.02	--
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.												
APRIL 1991												
10	1200	11,400	15.5	8.5	150	0.05	0.02	0.980	--	--	0.05	--
18	1045	16,900	16.5	7.6	231	0.01	0.02	0.850	--	--	0.02	--
23	1110	16,000	16.0	7.3	236	0.02	0.01	1.09	--	--	0.02	--
MAY												
01	1040	10,200	18.0	8.3	202	0.02	<0.01	0.970	--	--	0.02	--
07	1022	8,270	19.5	8.1	179	0.02	0.02	0.630	--	--	0.01	--
14	1045	9,860	20.5	8.5	170	0.02	0.03	0.700	--	--	0.02	--
21	1045	6,740	23.0	8.3	230	0.04	0.03	1.07	--	--	<0.01	--
29	1030	14,300	24.0	7.8	170	0.03	0.03	0.610	0.50	0.16	0.02	82
JUNE												
04	1135	5,950	26.5	7.6	290	0.02	0.03	0.970	--	--	0.01	29
11	1045	2,970	26.0	6.4	246	0.03	0.03	1.47	0.70	0.07	0.02	23
18	1040	3,770	27.0	5.6	197	<0.01	0.03	0.960	0.50	0.12	0.03	23
25	0946	3,850	27.5	6.2	272	0.06	0.02	0.790	0.90	0.08	0.02	20

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continued												
JULY 1991												
01	0950	3,000	28.5	7.6	264	0.02	0.02	0.500	0.50	0.06	<0.01	17
09	1030	3,310	29.5	7.2	240	0.06	0.02	0.270	0.50	0.06	<0.01	7
15	1100	3,290	29.5	6.1	224	0.01	0.02	0.380	0.90	0.06	<0.01	18
22	1040	1,980	31.0	8.0	233	0.01	0.03	0.290	0.40	0.05	<0.01	29
29	1110	2,190	29.0	7.6	244	<0.01	0.09	0.260	0.40	0.10	<0.01	16
AUGUST												
05	1050	2,340	29.0	7.6	222	0.01	0.08	0.200	0.60	0.05	<0.01	1
12	1030	2,770	29.0	7.0	298	0.01	0.09	0.260	0.50	0.08	<0.01	18
20	1030	2,380	27.5	7.7	310	<0.01	0.05	0.160	0.50	0.05	0.02	450
27	0945	2,550	28.0	6.5	249	0.03	0.06	0.160	0.60	0.06	<0.01	28
SEPTEMBER												
03	1040	2,310	28.0	6.3	207	0.03	0.04	0.200	0.40	0.05	<0.01	33
10	1030	2,440	28.0	6.3	233	<0.01	0.04	0.210	0.50	0.07	0.02	12
17	0952	2,470	28.0	6.3	236	0.02	0.03	0.270	0.50	0.06	0.03	12
23	1040	1,920	24.0	6.4	230	0.03	0.04	0.330	0.40	0.07	0.03	10
30	1122	1,760	22.5	6.7	228	--	--	--	0.30	0.06	--	9
OCTOBER 1991												
07	1125	1,810	19.5	6.5	225	0.04	<0.01	0.190	0.30	0.10	0.02	9
15	0955	1,550	19.5	6.3	264	0.06	<0.01	0.210	0.30	0.05	0.03	8
21	1020	1,520	17.0	6.4	258	0.04	0.01	0.310	0.40	0.06	0.02	5
29	0930	2,200	18.5	6.7	378	0.08	0.02	0.410	0.60	0.10	0.03	9
NOVEMBER												
06	1040	2,700	14.5	6.4	286	0.09	0.01	0.410	0.40	0.07	0.03	19
20	0920	2,540	12.5	6.5	237	0.05	<0.01	0.600	0.30	0.07	0.22	10
DECEMBER												
05	1045	18,900	9.0	7.6	284	0.09	0.01	0.920	0.60	0.22	0.05	134
17	1010	15,600	9.5	5.7	191	0.04	0.02	0.800	0.50	0.16	0.05	71
JANUARY 1992												
02	1005	8,780	7.5	5.5	209	0.07	0.02	1.08	0.30	0.08	0.04	17
21	1030	6,970	3.5	7.1	204	0.04	0.02	0.970	0.30	0.10	0.05	19
FEBRUARY												
04	1125	4,420	5.5	7.2	244	0.06	0.02	1.08	0.30	0.06	0.03	13
18	1025	5,860	8.0	7.8	350	0.05	0.02	1.18	0.40	0.08	<0.01	24
MARCH 1992												
03	1025	11,800	10.0	7.7	234	0.07	0.02	1.08	0.40	0.04	0.04	73
11	1030	11,100	10.5	7.6	240	0.06	0.02	0.930	0.40	0.13	0.02	62
16	1040	14,800	9.5	7.7	197	0.04	0.02	0.930	0.20	0.07	0.04	160
24	1020	14,000	9.5	5.8	263	0.03	0.02	1.28	0.60	0.10	0.03	248
31	1030	14,800	10.5	7.7	243	0.02	0.02	1.38	0.40	0.15	0.02	101
APRIL												
07	1015	8,270	9.0	7.0	260	0.07	0.02	1.48	0.40	0.08	0.02	99
14	1035	4,080	14.0	--	321	0.03	0.02	1.48	0.20	0.06	0.03	35
22	1040	7,000	16.0	7.4	316	--	--	--	0.50	0.12	--	71
28	1104	9,660	15.0	7.4	311	0.04	0.05	2.35	0.40	0.17	0.05	112
MAY												
06	0953	4,590	16.5	6.9	368	0.03	0.01	2.19	0.30	0.05	0.04	29
12	0955	5,300	18.5	6.4	344	0.02	<0.01	1.80	<0.20	0.03	0.03	25

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
03612500 - Ohio River at Dam 53 near Grand Chain, Ill.--Continned												
MAY (cont.)												
18	1025	4,250	20.5	7.8	260	0.02	<0.01	0.950	<0.20	0.02	0.02	24
27	1030	3,170	21.0	6.8	292	0.03	0.01	0.860	0.30	0.03	0.02	18
JUNE 1992												
02	1045	4,670	20.0	6.9	258	0.03	0.03	1.17	0.50	0.11	0.05	24
09	1105	6,400	22.0	6.1	269	--	--	--	0.20	0.07	--	36
16	1105	4,130	24.5	6.6	243	0.02	<0.01	0.530	0.20	0.05	0.01	27
23	1023	6,400	24.5	6.8	297	0.06	0.02	0.940	0.30	0.06	0.04	45
29	1235	3,790	25.5	7.5	289	0.04	0.01	0.990	0.30	0.05	0.04	17
JULY												
08	1012	5,470	27.0	7.0	213	0.03	0.01	0.770	0.40	0.12	0.04	43
14	1025	5,010	28.0	6.1	264	0.05	<0.01	0.960	0.50	0.10	0.04	10
23	1040	6,880	28.0	6.5	276	0.08	0.02	1.68	0.30	0.08	0.06	66
28	1025	7,870	28.0	6.7	324	0.01	0.01	2.09	0.50	0.21	0.06	86
07373420 - Mississippi River near St. Francisville, La.												
APRIL 1991												
02	0945	22,800	22.0	7.6	322	0.01	0.03	1.47	0.70	0.21	0.04	238
MAY												
06	1130	32,900	19.0	8.1	270	--	--	--	0.46	0.22	--	198
JUNE												
17	1115	20,500	27.5	7.8	389	0.02	<0.01	2.60	0.50	0.13	0.08	272
JULY												
23	1030	6,850	30.0	8.1	425	--	--	--	0.85	0.20	--	118
SEPTEMBER												
23	1245	6,030	27.0	7.6	433	0.03	<0.01	0.55	0.50	0.13	0.06	90
NOVEMBER												
05	1000	9,460	16.0	7.4	560	0.04	<0.01	0.64	0.30	0.16	0.06	360
19	1045	9,180	12.0	7.6	418	--	--	--	0.50	0.15	--	--
DECEMBER												
10	1030	18,700	8.0	7.5	321	0.05	0.03	1.27	0.40	0.41	0.06	414
JANUARY 1992												
28	1115	14,700	5.0	7.5	348	0.04	0.03	1.67	0.40	0.22	0.06	187
FEBRUARY												
26	1015	13,100	9.5	7.5	411	0.05	0.02	1.88	0.30	0.20	0.05	172
MARCH												
25	1000	21,400	12.5	7.4	306	--	--	--	0.33	0.28	--	225
MAY												
14	1200	12,200	18.5	7.8	410	0.03	0.01	2.99	0.50	0.44	0.07	228
26	1145	9,630	24.0	7.7	404	0.02	0.01	1.89	0.60	0.25	0.06	177
JUNE												
17	1000	13,400	25.5	7.4	392	0.03	<0.01	1.40	0.30	0.25	0.07	255
JULY												
15	1100	10,200	28.0	8.0	396	--	--	--	0.55	0.24	--	162
AUGUST												
18	1015	14,500	26.0	7.9	360	0.04	<0.01	1.80	0.50	0.15	0.09	368
SEPTEMBER												
15	0900	7,390	26.5	7.5	424	--	--	--	0.88	0.20	--	115

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductance (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus dias (mg/L)	Suspended sediment (mg/L)
07374000 - Mississippi River at Baton Rouge, La.												
APRIL 1991												
11	1430	25,000	16.5	7.9	366	0.02	0.01	1.99	--	--	0.03	
17	1415	27,500	18.0	7.8	306	0.02	0.02	1.88	--	--	0.04	
24	1045	28,800	18.0	7.8	293	0.02	0.01	1.69	--	--	0.05	
MAY												
01	1030	32,200	18.5	7.6	300	0.02	<0.01	1.50	--	--	0.04	
06	0800	32,700	19.0	7.6	280	0.02	0.01	1.59	--	--	0.04	
09	1030	33,000	19.0	7.6	277	0.02	<0.01	1.70	--	--	0.05	
13	0930	32,600	21.0	7.6	281	0.02	<0.01	1.80	--	--	0.05	
16	1130	31,700	22.0	7.5	295	0.04	0.01	1.89			0.04	--
20	1330	29,800	22.5	--	291	0.04	0.01	1.89			0.04	--
24	1315	28,900	23.0	7.7	294	0.07	0.01	1.89			0.07	--
28	1255	27,300	24.5	7.8	311	0.05	<0.01	2.00			0.06	--
30	1130	26,500	25.0	7.7	316	0.03	<0.01	1.90			0.07	--
JUNE 1991												
03	1045	24,600	26.0	7.7	336	0.02	<0.01	2.00			0.06	--
06	1300	24,600	27.0	7.7	353	0.02	<0.01	2.40			0.07	--
10	1315	24,200	26.5	7.7	307	0.03	<0.01	2.00			0.07	--
13	1400	22,900	27.0	7.8	338	0.02	<0.01	2.30			0.07	--
17	1315	20,500	27.5	7.8	382	0.04	0.01	2.59			0.09	--
20	1415	18,200	28.0	8.0	403	0.05	<0.01	2.60			0.07	--
24	1345	16,500	28.0	8.0	410	0.04	<0.01	3.30			0.09	--
27	1400	16,300	28.0	8.0	409	--	--	--			--	--
JULY												
03	1345	13,800	29.5	7.9	426	0.02	<0.01	2.90			0.10	--
08	1500	12,000	29.0	7.9	413	0.01	<0.01	2.60			0.08	--
11	1500	11,000	30.0	7.9	390	0.03	<0.01	2.60			0.10	--
17	1330	9,490	30.5	8.0	426	0.04	<0.01	2.70			0.10	--
23	1315	9,460	30.5	8.1	440	0.02	<0.01	2.10			0.08	--
23	1316	9,460	--	--	--	0.02	<0.01	2.10			0.07	--
23	1317	9,460	--	--	--	0.01	<0.01	2.00			0.07	--
23	1318	9,460	--	--	--	0.01	<0.01	2.00	--	--	0.07	--
23	1319	9,460	--	--	--	<0.01	<0.01	2.00	--	--	0.07	--
23	1320	9,460	--	--	--	<0.01	<0.01	2.00	--	--	0.07	--
30	0815	7,840	30.0	8.0	413	0.04	<0.01	1.80	--	--	0.08	--
AUGUST 1991												
06	0900	7,080	30.5	8.1	450	0.03	<0.01	1.70	--	--	0.06	--
12	1030	6,830	30.5	8.4	456	0.03	<0.01	1.30	--	--	0.05	--
20	0900	6,600	29.5	8.0	464	0.01	0.01	0.880	--	--	0.05	--
26	0900	6,290	29.0	8.2	451	0.02	<0.01	0.750	--	--	0.03	--
SEPTEMBER												
03	1350	6,340	29.0	8.5	468	<0.01	<0.01	0.740	--	--	0.04	--
09	1341	6,200	29.0	8.1	466	0.03	<0.01	0.820	--	--	0.04	--
18	1000	5,890	30.5	8.1	425	0.08	<0.01	0.750	--	--	0.07	--
23	0915	6,030	28.0	8.2	457	0.04	0.01	0.610	--	--	0.07	--
30	0845	6,680	25.5	8.2	449	--	--	--	--	--	--	--
OCTOBER												
07	1415	6,200	23.0	8.1	447	0.02	<0.01	0.640	--	--	0.07	--
16	1400	5,810	22.0	8.1	479	0.05	<0.01	0.630	--	--	0.05	--

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (^oC)	pH	Specific conductance ($\mu S/cm$)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
07374000 - Mississippi River at Baton Rouge, La.--Continued												
OCTOBER (cont.)												
23	1315	5,270	20.5	8.1	489	0.06	<0.01	0.780	--	--	0.09	--
31	1100	6,150	21.0	8.0	453	0.05	0.02	0.810	--	--	0.03	--
NOVEMBER 1991												
07	1600	10,600	17.0	8.1	596	<0.01	<0.01	0.630	--	--	0.06	--
14	0900	9,910	12.0	8.1	462	0.05	0.03	0.740	--	--	0.07	--
19	1330	9,180	16.0	7.9	455	--	--	--	--	--	--	--
25	1700	11,800	13.0	7.8	407	0.07	0.02	0.980	--	--	0.06	--
DECEMBER												
02	1415	12,500	14.5	7.6	353	0.05	0.04	1.26	--	--	0.06	--
10	1015	18,700	10.0	7.8	312	0.07	0.03	1.17	--	--	0.06	--
17	1330	23,800	10.5	7.8	318	0.03	0.03	1.07	--	--	0.05	--
24	1130	23,400	10.0	7.6	280	0.05	0.03	1.07	--	--	0.06	--
31	1100	20,900	9.0	8.3	316	0.04	0.03	1.37	--	--	0.06	--
JANUARY 1992												
07	1100	18,500	8.5	7.9	341	0.05	0.02	1.78	--	--	0.06	--
15	1430	18,700	8.0	7.9	353	0.05	0.03	1.67	--	--	0.06	--
20	1645	17,700	7.0	8.0	313	--	--	--	--	--	--	--
29	1600	14,300	6.5	8.0	358	0.05	0.03	1.57	--	--	0.06	--
FEBRUARY 1992												
06	1500	13,300	8.5	7.9	379	0.06	0.02	1.58	--	--	0.05	--
13	1500	10,500	11.0	8.1	416	0.04	0.01	1.89	--	--	0.05	--
20	1745	11,800	12.0	7.9	407	0.06	0.02	1.78	--	--	0.06	--
26	1015	13,100	10.5	7.9	434	0.07	0.02	2.08	--	--	0.06	--
MARCH												
05	1100	15,900	11.0	8.2	420	0.10	0.02	1.68	--	--	0.05	--
11	1300	17,600	12.5	8.0	378	0.04	0.03	1.97	--	--	0.05	--
19	0900	19,500	12.0	8.0	378	0.06	0.03	1.97	--	--	0.06	--
26	1030	21,400	12.5	7.9	328	0.03	0.01	1.59	--	--	0.06	--
30	1630	21,800	12.5	7.4	335	0.03	0.02	1.88	--	--	0.05	--
APRIL												
10	1500	18,200	13.0	7.6	370	0.03	0.02	2.28	--	--	0.06	--
15	0930	14,500	15.0	--	384	0.04	0.03	2.07	--	--	0.06	--
23	1030	11,200	18.5	8.0	430	0.04	0.02	2.28	--	--	0.06	--
30	0900	15,800	19.0	8.2	462	0.03	<0.01	1.20	--	--	0.04	--
MAY 1992												
06	0915	17,800	18.0	7.9	396	0.02	<0.01	2.10	--	--	0.06	--
14	1330	12,200	23.0	8.2	434	0.03	<0.01	2.90	--	--	0.07	--
20	1110	11,000	23.0	7.7	469	0.03	0.01	1.79	--	--	0.05	--
28	1100	9,690	25.0	7.8	456	0.04	0.02	1.78	--	--	0.06	--
JUNE												
03	1325	9,200	24.0	7.6	470	0.02	<0.01	1.60	--	--	0.06	--
12	1440	11,800	25.0	7.7	443	0.02	<0.01	1.60	--	--	0.06	--
19	0925	13,100	27.0	7.7	418	0.03	<0.01	1.30	--	--	0.06	--
25	1415	11,800	29.0	--	--	0.03	<0.01	1.00	--	--	0.06	--
JULY												
02	1145	11,600	27.0	7.7	425	0.03	<0.01	1.10	--	--	0.06	--
09	1500	10,300	28.0	7.8	450	0.04	0.01	1.09	--	--	0.07	--

Table 9.--Water-discharge, physical-property, nutrient, and suspended-sediment data--Continued

Date	Time	Water discharge (m^3/s)	Temperature (°C)	pH	Specific conductanca (µS/cm)	Nitrogen, ammonia diss (mg/L)	Nitrogen, nitrite diss (mg/L)	Nitrogen, nitrate diss (mg/L)	Nitrogen ammonia + organic, total (mg/L)	Phosphorus, total (mg/L)	Orthophosphorus diss (mg/L)	Suspended sediment (mg/L)
07374000 - Mississippi River at Baton Ronge, La.--Continned												
JULY (cont.)												
16	1050	10,100	27.0	7.9	427	0.06	0.01	1.39	--	--	0.08	--
23	1400	11,200	28.5	7.9	438	0.06	0.01	0.960	--	--	0.07	--
31	1545	13,500	28.5	8.0	415	0.01	<0.01	1.90	--	--	0.09	--
AUGUST 1992												
05	1200	14,400	28.5	8.1	395	<0.01	<0.01	2.10	--	--	0.09	--
13	0945	16,600	29.0	7.7	420	0.02	<0.01	2.00	--	--	0.09	--
21	1415	12,700	27.0	7.9	388	0.02	<0.01	1.80	--	--	0.09	--
SEPTEMBER												
04	1510	7,730	26.5	8.2	429	0.04	<0.01	1.40	--	--	0.09	--
09	0835	8,330	27.0	8.0	421	0.06	<0.01	1.10	--	--	0.10	--
16	1450	7,530	28.0	8.1	442	0.04	<0.01	0.840	--	--	0.07	--
23	1300	8,470	26.0	N 8.1	463	0.04	<0.01	0.830	--	--	0.08	--

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