

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Aceto-chlor	Aceto-chlor de-schloro	Aceto-chlor ESA	Aceto-chlor hydroxy	Aceto-chlor OXA
1	05412500	Turkey River at Garber	03/15/04	1100	0.04	--	0.16	--	0.23
			04/20/04	0950	<.02	--	.22	--	.06
			05/19/04	1200	2.2	0.07	1.2	--	.81
			05/24/04	1115	.13	.02	2.9	--	.69
			06/10/04	1000	.34	.02	.85	--	.46
			07/21/04	1130	<.02	<.02	.75	<0.02	.10
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	<.02	--	.16	--	.12
			03/29/04	1500	<.02	--	.50	--	.16
			04/20/04	1510	.02	--	.26	--	.04
			05/19/04	0800	.58	<.02	.32	--	.44
			05/25/04	1015	6.1	.12	1.3	--	2.2
			06/10/04	1300	.05	.03	.74	--	.39
07/21/04	0720	<.02	<.02	.45	<.02	.13			
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	.03	--	.31	--	.28
			04/15/04	0830	<.02	--	.60	--	.16
			05/18/04	1200	2.6	.08	.94	--	1.0
			05/25/04	1430	3.1	.09	1.8	--	2.3
			06/16/04	1230	.16	.04	1.7	--	.82
			07/20/04	1200	.02	<.02	1.7	.04	.38
4	05474000	Skunk River at Augusta	03/17/04	1430	.03	--	.15	--	.18
			04/15/04	1345	<.02	--	.18	--	.08
			05/18/04	0730	.59	.05	.37	--	.43
			06/16/04	0900	.20	.03	1.6	--	2.0
			07/20/04	0800	<.02	<.02	.52	<.02	.19
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	.05	--	.14	--	.24
			04/22/04	0910	.02	--	.30	--	.26
			05/17/04	1400	.42	.02	.27	--	.22
			06/14/04	1400	.64	.04	.87	--	1.3
			07/19/04	1600	.11	.02	.87	.10	.56
6	06485500	Big Sioux River at Akron	03/09/04	1200	.33	--	.80	--	1.5

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Aceto-chlor	Aceto-chlor de-schloro	Aceto-chlor ESA	Aceto-chlor hydroxy	Aceto-chlor OXA
6	06485500	Big Sioux River at Akron	04/13/04	0930	<0.02	--	0.11	--	0.15
			05/12/04	1030	.04	<.02	.07	--	.08
			05/26/04	1300	.64	.02	.72	--	.87
			06/02/04	1215	1.3	.05	.83	--	1.3
			07/14/04	1030	<.02	<.02	.34	0.04	.30
7	06607500	Little Sioux River near Turin	03/10/04	0830	.03	--	.25	--	.56
			04/13/04	1400	<.02	--	.11	--	.09
			05/11/04	1020	.43	<.02	.15	--	.19
			05/24/04	1100	1.4	.03	.33	--	.54
			06/08/04	0850	.08	.02	.31	--	.26
			06/17/04	1230	.08	<.02	.14	--	.20
			07/13/04	1000	<.02	<.02	.32	<.02	.22
8	06609500	Boyer River at Logan	04/14/04	0730	<.02	--	.07	--	.06
			05/11/04	1300	.09	<.02	.07	--	.05
			05/23/04	1015	8.6	.11	.84	--	1.7
			06/08/04	1130	.04	<.02	.14	--	.09
			06/17/04	1000	.27	.02	.44	--	.80
			07/13/04	1230	<.02	<.02	.15	<.02	.06
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.02	--	.07	--	.09
			03/29/04	1230	.02	--	.09	--	.10
			04/12/04	1300	<.02	--	.05	--	.03
			05/10/04	1230	3.1	.03	.20	--	.32
			05/25/04	1045	.75	.02	.57	--	.85
			06/07/04	1245	.05	<.02	.13	--	.08
			07/12/04	1230	<.02	<.02	.10	<.02	.09
10	06904010	Chariton River near Moulton	03/18/04	0900	<.02	--	.14	--	.47
			04/22/04	1320	<.02	--	.20	--	.35
			05/17/04	1100	.05	.02	.21	--	.35
			06/14/04	1050	.15	.03	1.3	--	2.1
			07/19/04	1230	.05	.02	.42	.09	.69

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter		
					Acetochlor SAA	Acetochlor/metolachlor 2nd amide	Acetochlor/metolachlor ESA - 2nd amide
1	05412500	Turkey River at Garber	03/15/04	1100	0.09	<0.02	0.07
			04/20/04	0950	<.02	<.02	.03
			05/19/04	1200	.34	.03	.16
			05/24/04	1115	.64	.02	.07
			06/10/04	1000	.24	<.02	.10
			07/21/04	1130	<.02	<.02	.14
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	<.02	--	.08
			03/29/04	1500	.03	--	.10
			04/20/04	1510	<.02	<.02	.04
			05/19/04	0800	.17	<.02	<.02
			05/25/04	1015	.89	.10	.13
			06/10/04	1300	.14	<.02	.12
			07/21/04	0720	<.02	<.02	.12
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	.10	--	.11
			04/15/04	0830	.02	--	.16
			05/18/04	1200	.43	.07	.14
			05/25/04	1430	.99	.05	.21
			06/16/04	1230	.36	<.02	.24
			07/20/04	1200	.15	<.02	.41
4	05474000	Skunk River at Augusta	03/17/04	1430	.08	--	.08
			04/15/04	1345	.02	--	.05
			05/18/04	0730	.18	<.02	.09
			06/16/04	0900	.93	<.02	.16
			07/20/04	0800	.05	<.02	.20
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	.11	--	.05
			04/22/04	0910	.05	<.02	.07
			05/17/04	1400	.07	<.02	.09
			06/14/04	1400	.64	<.02	.14
			07/19/04	1600	.32	<.02	.35
6	06485500	Big Sioux River at Akron	03/09/04	1200	.56	--	.13

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter		
					Acetochlor SAA	Acetochlor/metolachlor 2nd amide	Acetochlor/metolachlor ESA - 2nd amide
6	06485500	Big Sioux River at Akron	04/13/04	0930	0.04	--	0.03
			05/12/04	1030	<.02	<.02	.03
			05/26/04	1300	.20	<.02	.06
			06/02/04	1215	.50	.03	.07
			07/14/04	1030	.12	<.02	.09
7	06607500	Little Sioux River near Turin	03/10/04	0830	.19	--	.08
			04/13/04	1400	.02	--	.03
			05/11/04	1020	.04	<.02	.03
			05/24/04	1100	.25	<.02	.03
			06/08/04	0850	.10	<.02	.07
			06/17/04	1230	.08	<.02	.04
			07/13/04	1000	.10	<.02	.09
8	06609500	Boyer River at Logan	04/14/04	0730	<.02	--	.05
			05/11/04	1300	<.02	<.02	.02
			05/23/04	1015	.70	.07	.07
			06/08/04	1130	.05	<.02	.05
			06/17/04	1000	.31	<.02	.06
			07/13/04	1230	<.02	<.02	.05
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.02	--	.05
			03/29/04	1230	.04	--	.05
			04/12/04	1300	<.02	--	<.02
			05/10/04	1230	.12	.08	.03
			05/25/04	1045	.26	<.02	.03
			06/07/04	1245	.06	<.02	.05
10	06904010	Chariton River near Moulton	03/18/04	0900	.11	--	.04
			04/22/04	1320	.07	<.02	.03
			05/17/04	1100	.07	<.02	.03
			06/14/04	1050	.81	<.02	.12
			07/19/04	1230	.23	<.02	.13

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter			
					Alachlor	Alachlor deschloro	Alachlor ESA	Alachlor hydroxy
1	5412500	Turkey River at Garber	03/15/04	1100	<0.02	--	0.25	--
			04/20/04	0950	<.02	<0.02	.46	--
			05/19/04	1200	<.02	<0.02	.44	--
			05/24/04	1115	<.02	<0.02	.30	--
			06/10/04	1000	<.02	<0.02	.28	--
			07/21/04	1130	<.02	<0.02	.36	<0.02
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	<.02	--	.29	--
			03/29/04	1500	<.02	--	.29	--
			04/20/04	1510	<.02	<0.02	.56	--
			05/19/04	0800	<.02	<0.02	.39	--
			05/25/04	1015	<.02	<0.02	.13	--
			06/10/04	1300	<.02	<0.02	.43	--
3	5422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.02	--	.40	--
			04/15/04	0830	<.02	--	.69	--
			05/18/04	1200	<.02	<0.02	.39	--
			05/25/04	1430	.09	<0.02	.37	--
			06/16/04	1230	<.02	<0.02	.43	--
			07/20/04	1200	<.02	<0.02	.51	<0.02
4	5474000	Skunk River at Augusta	03/17/04	1430	<.02	--	.12	--
			04/15/04	1345	<.02	--	.16	--
			05/18/04	0730	<.02	<0.02	.11	--
			06/16/04	0900	<.02	<0.02	.06	--
			07/20/04	0800	<.02	<0.02	.07	<0.02
5	5490500	Des Moines River at Keosauqua	03/18/04	1230	<.02	--	.08	--
			04/22/04	0910	<.02	<0.02	.07	--
			05/17/04	1400	<.02	<0.02	.05	--
			06/14/04	1400	<.02	<0.02	.04	--
			07/19/04	1600	<.02	<0.02	.04	<0.02
6	6485500	Big Sioux River at Akron	03/09/04	1200	<.02	--	.08	--
			04/13/04	0930	<.02	--	.08	--

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter			
					Alachlor	Alachlor deschloro	Alachlor ESA	Alachlor hydroxy
6	6485500	Big Sioux River at Akron	05/12/04	1030	<0.02	<0.02	0.05	--
			05/26/04	1300	<.02	<.02	.06	--
			06/02/04	1215	.03	<.02	.04	--
			07/14/04	1030	<.02	<.02	.05	<0.02
7	6607500	Little Sioux River near Turin	03/10/04	0830	<.02	--	.08	--
			04/13/04	1400	<.02	--	.09	--
			05/11/04	1020	<.02	<.02	.06	--
			05/24/04	1100	<.02	<.02	<.02	--
			06/08/04	0850	<.02	<.02	.05	--
			06/17/04	1230	<.02	<.02	<.02	--
			07/13/04	1000	<.02	<.02	.05	<.02
8	6609500	Boyer River at Logan	04/14/04	0730	<.02	--	.07	--
			05/11/04	1300	<.02	<.02	.06	--
			05/23/04	1015	<.02	<.02	.02	--
			06/08/04	1130	<.02	<.02	.03	--
			06/17/04	1000	<.02	<.02	<.02	--
			07/13/04	1230	<.02	<.02	.02	<.02
9	6810000	Nishnabotna River above Hamburg	03/11/04	1030	<.02	--	.08	--
			03/29/04	1230	<.02	--	.02	--
			04/12/04	1300	<.02	--	.05	--
			05/10/04	1230	.15	<.02	.04	--
			05/25/04	1045	<.02	<.02	.04	--
			06/07/04	1245	<.02	<.02	.03	--
			07/12/04	1230	<.02	<.02	.02	<.02
10	6904010	Chariton River near Moulton	03/18/04	0900	<.02	--	.07	--
			04/22/04	1320	<.02	<.02	.07	--
			05/17/04	1100	<.02	<.02	.05	--
			06/14/04	1050	<.02	<.02	.03	--
			07/19/04	1230	<.02	<.02	<.02	<.02

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfonyl acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Ala-chlor OXA	Ala-chlor SAA	Ala-chlor 2nd amide	Ala-chlor ESA - 2nd amide	Dimeth-enamid
1	5412500	Turkey River at Garber	03/15/04	1100	0.07	<0.02	<0.02	--	0.03
			04/20/04	0950	.03	<0.02	<0.02	<0.02	<0.02
			05/19/04	1200	.04	.06	<0.02	<0.02	.71
			05/24/04	1115	.03	.58	<0.02	.33	.62
			06/10/04	1000	.02	<0.02	<0.02	<0.02	.42
			07/21/04	1130	.02	<0.02	<0.02	<0.02	<0.02
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	.05	<0.02	--	<0.02	<0.02
			03/29/04	1500	.03	<0.02	--	<0.02	<0.02
			04/20/04	1510	.02	<0.02	<0.02	<0.02	<0.02
			05/19/04	0800	.02	<0.02	<0.02	<0.02	.02
			05/25/04	1015	.02	.63	<0.02	.15	1.1
			06/10/04	1300	.02	<0.02	<0.02	<0.02	.03
			07/21/04	0720	.02	<0.02	<0.02	<0.02	<0.02
3	5422000	Wapsipinicon River near DeWitt	03/17/04	0830	.10	<0.02	--	.03	.03
			04/15/04	0830	.06	<0.02	<0.02	<0.02	<0.02
			05/18/04	1200	.05	.12	<0.02	.16	.98
			05/25/04	1430	.09	.58	<0.02	.12	.35
			06/16/04	1230	.05	<0.02	<0.02	.02	.08
			07/20/04	1200	.04	<0.02	<0.02	<0.02	<0.02
4	5474000	Skunk River at Augusta	03/17/04	1430	.06	<0.02	<0.02	.02	<0.02
			04/15/04	1345	.03	<0.02	<0.02	<0.02	<0.02
			05/18/04	0730	.02	.02	<0.02	.04	.18
			06/16/04	0900	.03	<0.02	<0.02	<0.02	.08
			07/20/04	0800	.02	<0.02	<0.02	<0.02	<0.02
5	5490500	Des Moines River at Keosauqua	03/18/04	1230	.05	<0.02	--	.02	.03
			04/22/04	0910	.03	<0.02	<0.02	<0.02	<0.02
			05/17/04	1400	.02	<0.02	<0.02	<0.02	.20
			06/14/04	1400	.03	<0.02	<0.02	<0.02	.24
			07/19/04	1600	.02	<0.02	<0.02	<0.02	<0.02
6	6485500	Big Sioux River at Akron	03/09/04	1200	.07	<0.02	--	.05	.04

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Ala-chlor OXA	Ala-chlor SAA	Ala-chlor 2nd amide	Ala-chlor ESA - 2nd amide	Dimeth-enamid
6	6485500	Big Sioux River at Akron	04/13/04	0930	0.03	<0.02	<0.02	<0.02	<0.02
			05/12/04	1030	.02	<.02	<.02	<.02	<.02
			05/26/04	1300	.03	.10	<.02	<.02	.09
			06/02/04	1215	.03	<.02	<.02	<.02	.15
			07/14/04	1030	<.02	<.02	<.02	<.02	<.02
7	6607500	Little Sioux River near Turin	03/10/04	0830	.05	<.02	--	<.02	<.02
			04/13/04	1400	.02	<.02	<.02	<.02	<.02
			05/11/04	1020	<.02	.02	<.02	<.02	.06
			05/24/04	1100	<.02	.10	<.02	<.02	.04
			06/08/04	0850	.02	<.02	<.02	<.02	<.02
			06/17/04	1230	<.02	<.02	<.02	<.02	.02
			07/13/04	1000	<.02	<.02	<.02	<.02	<.02
8	6609500	Boyer River at Logan	04/14/04	0730	.06	<.02	<.02	<.02	<.02
			05/11/04	1300	.05	<.02	<.02	<.02	<.02
			05/23/04	1015	.02	.26	<.02	<.02	.23
			06/08/04	1130	.03	<.02	<.02	<.02	<.02
			06/17/04	1000	<.02	<.02	<.02	<.02	<.02
			07/13/04	1230	.02	<.02	<.02	<.02	<.02
9	6810000	Nishnabotna River above Hamburg	03/11/04	1030	.05	<.02	--	<.02	.02
			03/29/04	1230	.02	<.02	--	<.02	<.02
			04/12/04	1300	.03	<.02	<.02	<.02	<.02
			05/10/04	1230	.02	.06	<.02	<.02	.52
			05/25/04	1045	.03	.15	<.02	<.02	.38
			06/07/04	1245	.02	<.02	<.02	<.02	.02
			07/12/04	1230	<.02	<.02	<.02	<.02	<.02
10	6904010	Chariton River near Moulton	03/18/04	0900	.04	<.02	--	.96	.03
			04/22/04	1320	.02	<.02	<.02	<.02	<.02
			05/17/04	1100	.02	<.02	<.02	<.02	<.02
			06/14/04	1050	.02	<.02	<.02	<.02	.03
			07/19/04	1230	.02	<.02	<.02	<.02	<.02



**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter			
					Dimeth-enamid deschloro	Dimeth-enamid ESA	Dimeth-enamid hydroxy	Dimeth-enamid OXA
1	5412500	Turkey River at Garber	3/15/2004	1100	--	0.05	--	<0.02
			4/20/2004	950	--	<.02	--	<.02
			5/19/2004	1200	<0.02	.10	--	.08
			5/24/2004	1115	<.02	.17	--	.34
			6/10/2004	1000	<.02	.13	--	.07
			7/21/2004	1130	<.02	<.02	<0.02	<.02
2	5418600	Maquoketa River near Spragueville	3/15/2004	1700	--	.06	--	.02
			3/29/2004	1500	--	.07	--	<.02
			4/20/2004	1510	--	.02	--	<.02
			5/19/2004	800	<.02	.02	--	.02
			5/25/2004	1015	<.02	.18	--	.15
			6/10/2004	1300	<.02	.08	--	.03
3	5422000	Wapsipinicon River near DeWitt	3/17/2004	830	--	.10	--	.03
			4/15/2004	830	--	.05	--	<.02
			5/18/2004	1200	<.02	.12	--	.16
			5/25/2004	1430	<.02	.18	--	.12
			06/16/04	1230	<.02	0.21	--	0.07
			07/20/04	1200	<.02	.60	<.02	.06
4	5474000	Skunk River at Augusta	03/17/04	1430	--	.06	--	.02
			04/15/04	1345	--	.03	--	<.02
			05/18/04	0730	<.02	.06	--	.05
			06/16/04	0900	<.02	.17	--	.15
			07/20/04	0800	<.02	.12	<.02	.03
5	5490500	Des Moines River at Keosauqua	03/18/04	1230	--	.06	--	.02
			04/22/04	0910	--	.03	--	<.02
			05/17/04	1400	<.02	.04	--	<.02
			06/14/04	1400	<.02	.14	--	.10
			07/19/04	1600	<.02	.14	<.02	.04

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter			
					Dimeth-enamid deschloro	Dimeth-enamid ESA	Dimeth-enamid hydroxy	Dimeth-enamid OXA
6	6485500	Big Sioux River at Akron	03/09/04	1200	--	0.12	--	0.07
			04/13/04	0930	--	.02	--	<.02
			05/12/04	1030	<.02	<.02	--	<.02
			05/26/04	1300	<.02	.02	--	.04
			06/02/04	1215	<.02	.05	--	.04
			07/14/04	1030	<.02	.03	<.02	<.02
7	6607500	Little Sioux River near Turin	03/10/04	0830	--	<.02	--	<.02
			04/13/04	1400	--	<.02	--	<.02
			05/11/04	1020	<.02	<.02	--	<.02
			05/24/04	1100	<.02	<.02	--	<.02
			06/08/04	0850	<.02	<.02	--	<.02
			06/17/04	1230	<.02	.02	--	<.02
			07/13/04	1000	<.02	<.02	<.02	<.02
8	6609500	Boyer River at Logan	04/14/04	0730	--	<.02	--	<.02
			05/11/04	1300	<.02	<.02	--	<.02
			05/23/04	1015	<.02	.03	--	.05
			06/08/04	1130	<.02	<.02	--	<.02
			06/17/04	1000	<.02	<.02	--	<.02
			07/13/04	1230	<.02	<.02	<.02	<.02
9	6810000	Nishnabotna River above Hamburg	03/11/04	1030	--	<.02	--	<.02
			03/29/04	1230	--	.02	--	<.02
			04/12/04	1300	--	<.02	--	<.02
			05/10/04	1230	<.02	.02	--	<.02
			05/25/04	1045	.03	.06	--	.14
			06/07/04	1245	<.02	.02	<.02	<.02
			07/12/04	1230	<.02	.02	<.02	<.02
10	6904010	Chariton River near Moulton	03/18/04	0900	--	.06	--	.05
			04/22/04	1320	--	<.02	--	<.02
			05/17/04	1100	<.02	.03	--	.02
			06/14/04	1050	<.02	.09	--	.08
			07/19/04	1230	<.02	.06	<.02	.04

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Flu-fenacet	Flu-fenacet ESA	Flu-fenacet OXA	Metolachlor	Metolachlor des-chloro
1	5412500	Turkey River at Garber	03/15/04	1100	<0.02	<0.02	<0.02	0.07	--
			04/20/04	0950	<.02	<.02	<.02	<.02	--
			05/19/04	1200	.06	<.02	<.02	.59	<0.02
			05/24/04	1115	<.02	.03	.02	.07	<0.02
			06/10/04	1000	<.02	<.02	<.02	.40	<0.02
			07/21/04	1130	<.02	<.02	<.02	.02	<0.02
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	<.02	<.02	<.02	.03	--
			03/29/04	1500	<.02	<.02	<.02	.03	--
			04/20/04	1510	<.02	<.02	<.02	.02	--
			05/19/04	0800	.13	<.02	<.02	.22	<0.02
			05/25/04	1015	<.02	<.02	<.02	3.3	<0.02
			06/10/04	1300	<.02	<.02	<.02	.10	<0.02
3	5422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.02	<.02	<.02	.09	--
			04/15/04	0830	<.02	<.02	<.02	.03	--
			05/18/04	1200	.04	<.02	<.02	1.5	<0.02
			05/25/04	1430	<.02	.02	<.02	2.3	<0.02
			06/16/04	1230	<.02	<.02	<.02	.34	<0.02
			07/20/04	1200	<.02	<.02	<.02	.08	<0.02
4	5474000	Skunk River at Augusta	03/17/04	1430	<.02	<.02	<.02	.17	--
			04/15/04	1345	<.02	<.02	<.02	.06	--
			05/18/04	0730	<.02	<.02	<.02	1.2	<0.02
			06/16/04	0900	.19	.16	.12	.84	<0.02
			07/20/04	0800	<.02	<.02	<.02	.15	<0.02
5	5490500	Des Moines River at Keosauqua	03/18/04	1230	.03	.02	<.02	1.1	--
			04/22/04	0910	<.02	<.02	<.02	.25	--
			05/17/04	1400	<.02	<.02	<.02	.66	<0.02
			06/14/04	1400	.05	<.02	<.02	.64	<0.02
			07/19/04	1600	<.02	<.02	<.02	.23	<0.02

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfynil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Flu-fena-cet	Flu-fena-cet ESA	Flu-fena-cet OXA	Metol-achlor	Metol-achlor des-chloro
6	6485500	Big Sioux River at Akron	03/09/04	1200	<0.02	<0.02	<0.02	1.5	--
			04/13/04	0930	<.02	<.02	<.02	.08	--
			05/12/04	1030	<.02	<.02	<.02	.06	<0.02
			05/26/04	1300	<.02	<.02	<.02	.31	<0.02
			06/02/04	1215	.03	<.02	<.02	.58	<0.02
			07/14/04	1030	<.02	<.02	<.02	.03	<0.02
7	6607500	Little Sioux River near Turin	03/10/04	0830	<.02	.02	<.02	.33	--
			04/13/04	1400	<.02	<.02	<.02	.05	--
			05/11/04	1020	.16	<.02	<.02	.40	<0.02
			05/24/04	1100	.20	<.02	<.02	1.1	<0.02
			06/08/04	0850	<.02	<.02	<.02	.09	<0.02
			06/17/04	1230	.12	<.02	<.02	.45	<0.02
8	6609500	Boyer River at Logan	04/14/04	0730	<.02	<.02	<.02	.02	--
			05/11/04	1300	<.02	<.02	<.02	.32	<0.02
			05/23/04	1015	.98	.04	.04	3.8	<0.02
			06/08/04	1130	<.02	<.02	<.02	.13	<0.02
			06/17/04	1000	.26	.03	.02	.46	<0.02
			07/13/04	1230	<.02	<.02	<.02	.04	<0.02
9	6810000	Nishnabotna River above Hamburg	03/11/04	1030	<.02	<.02	<.02	.03	--
			03/29/04	1230	<.02	<.02	<.02	.05	--
			04/12/04	1300	<.02	<.02	<.02	.02	--
			05/10/04	1230	.68	<.02	<.02	.88	<0.02
			05/25/04	1045	.20	.02	.02	2.4	<0.02
			06/07/04	1245	.02	.02	<.02	.11	<0.02
			07/12/04	1230	<.02	<.02	<.02	.08	<0.02
10	6904010	Chariton River near Moulton	03/18/04	0900	<.02	<.02	<.02	.10	--
			04/22/04	1320	<.02	<.02	<.02	.04	--
			05/17/04	1100	<.02	<.02	<.02	.07	.06
			06/14/04	1050	<.02	<.02	<.02	.17	.04
			07/19/04	1230	<.02	<.02	<.02	.32	.08

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfinil acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor ESA	Metolachlor hydroxy	Metolachlor OXA	Propachlor	Propachlor ESA	Propachlor OXA
1	5412500	Turkey River at Garber	03/15/04	1100	0.30	--	0.12	<0.02	<0.05	<0.02
			04/20/04	0950	.88	--	.08	<.02	<.05	<.02
			05/19/04	1200	1.3	--	.22	<.02	<.05	<.02
			05/24/04	1115	1.6	--	.49	<.02	<.05	<.02
			06/10/04	1000	.69	--	.16	<.02	<.05	<.02
			07/21/04	1130	.75	<0.02	.07	<.02	<.05	<.02
2	5418600	Maquoketa River near Spragueville	03/15/04	1700	1.2	--	.21	<.02	<.05	<.02
			03/29/04	1500	1.6	--	.32	<.02	<.05	<.02
			04/20/04	1510	1.9	--	.17	<.02	<.05	<.02
			05/19/04	0800	1.5	--	.16	<.02	<.05	<.02
			05/25/04	1015	1.0	--	.49	<.02	<.05	<.02
			06/10/04	1300	1.7	--	.25	<.02	<.05	<.02
		07/21/04	0720	1.6	<0.02	.15	<.02	<.05	<.02	
3	5422000	Wapsipicon River near DeWitt	03/17/04	0830	1.3	--	.30	<.02	<.05	<.02
			04/15/04	0830	1.7	--	.26	<.02	<.05	<.02
			05/18/04	1200	1.5	--	.40	<.02	<.05	<.02
			05/25/04	1430	2.0	--	.87	<.02	<.05	<.02
			06/16/04	1230	2.2	--	.51	<.02	<.05	<.02
			07/20/04	1200	2.9	.03	.33	<.02	<.05	<.02
4	5474000	Skunk River at Augusta	03/17/04	1430	.84	--	.31	<.02	<.05	<.02
			04/15/04	1345	.97	--	.23	<.02	<.05	<.02
			05/18/04	0730	1.1	--	.29	<.02	<.05	<.02
			06/16/04	0900	1.6	--	1.1	<.02	<.05	<.02
			07/20/04	0800	2.0	.05	.36	<.02	<.05	<.02
5	5490500	Des Moines River at Keosauqua	03/18/04	1230	.42	--	.36	<.02	<.05	<.02
			04/22/04	0910	1.3	--	.38	<.02	<.05	<.02
			05/17/04	1400	.86	--	.24	<.02	<.05	<.02
			06/14/04	1400	1.1	--	.45	<.02	<.05	<.02
			07/19/04	1600	1.5	.07	.32	<.02	<.05	<.02
6	6485500	Big Sioux River at Akron	03/9/04	1200	1.1	--	.99	<.02	<.05	<.02

**Table 8.** Concentrations of acetamide herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[ESA, ethanesulfonic acid; OXA, oxanilic acid; SAA, sulfonyl acetic acid; &lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor ESA	Metolachlor hydroxy	Metolachlor OXA	Propachlor	Propachlor ESA	Propachlor OXA
6	6485500	Big Sioux River at Akron	4/13/04	930	0.57	--	0.14	<0.02	<0.05	<0.02
			5/12/04	1030	.40	--	.10	<.02	<.05	<.02
			5/26/04	1300	1.2	--	.31	<.02	<.05	<.02
			6/2/04	1215	.50	--	.23	<.02	<.05	<.02
			7/14/04	1030	.63	<0.02	.13	<.02	<.05	<.02
7	6607500	Little Sioux River near Turin	03/10/04	0830	.39	--	.39	<.02	<.05	<.02
			04/13/04	1400	.46	--	.15	<.02	<.05	<.02
			05/11/04	1020	.41	--	.14	<.02	<.05	<.02
			05/24/04	1100	.37	--	.22	<.02	<.05	<.02
			06/08/04	0850	.61	--	.14	<.02	<.05	<.02
			06/17/04	1230	.27	--	.20	<.02	<.05	<.02
			07/13/04	1000	.67	<.02	.15	<.02	<.05	<.02
8	6609500	Boyer River at Logan	04/14/04	0730	.36	--	.19	<.02	<.05	<.02
			05/11/04	1300	.30	--	.16	<.02	<.05	<.02
			05/23/04	1015	.51	--	.45	<.02	<.05	<.02
			06/08/04	1130	.48	--	.15	<.02	<.05	<.02
			06/17/04	1000	.38	--	.23	<.02	<.05	<.02
			07/13/04	1230	.61	<.02	.14	<.02	<.05	<.02
9	6810000	Nishnabotna River above Hamburg	03/11/04	1030	.16	--	.13	<.02	<.05	<.02
			03/29/04	1230	.33	--	.15	<.02	<.05	<.02
			04/12/04	1300	.31	--	.09	<.02	<.05	<.02
			05/10/04	1230	.22	--	.09	<.02	<.05	<.02
			05/25/04	1045	.72	--	.63	<.02	<.05	<.02
			06/07/04	1245	.28	--	.09	<.02	<.05	<.02
			07/12/04	1230	.24	<.02	.12	<.02	<.05	<.02
10	6904010	Chariton River near Moulton	03/18/04	0900	.19	--	.41	<.02	<.05	<.02
			04/22/04	1320	.43	--	.32	<.02	<.05	<.02
			05/17/04	1100	.23	--	.29	<.02	<.05	<.02
			06/14/04	1050	.46	--	.51	<.02	<.05	<.02
			07/19/04	1230	.55	.23	.51	<.02	<.05	<.02

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Atrazine	Deethyl-atrazine	Deethyl-hydroxy-atrazine	Deiso-propyl-atrazine
1	05412500	Turkey River at Garber	03/15/04	1100	0.04	0.07	<0.025	<0.025
			04/20/04	0950	.06	.09	<.025	.03
			05/19/04	1200	2.6	.32	<.025	.14
			05/24/04	1115	3.4	.65	<.025	.34
			06/10/04	1000	1.2	.28	<.025	.14
			07/21/04	1130	.21	.18	<.025	.08
			09/14/04	1300	.06	.11	<.025	.03
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.025	.08	<.025	<.025
			03/29/04	1500	.03	.09	<.025	<.025
			04/20/04	1510	.06	.10	<.025	.03
			05/19/04	0800	.88	.20	<.025	.07
			05/25/04	1015	4.5	.84	<.025	.50
			06/10/04	1300	.33	.16	<.025	.05
			07/21/04	0720	.20	.19	<.025	.08
			09/14/04	1000	.04	.12	<.025	.03
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.025	.06	<.025	<.025
			04/15/04	0830	.03	.08	<.025	.03
			05/18/04	1200	5.8	.41	<.025	.17
			05/25/04	1430	4.6	.77	<.025	.45
			06/16/04	1230	1.6	.40	<.025	.15
			07/20/04	1200	.43	.50	<.025	.21
			09/14/04	0730	.07	.08	<.025	<.025
4	05474000	Skunk River at Augusta	03/17/04	1430	.03	.04	<.025	<.025
			04/15/04	1345	.05	.05	<.025	.03
			05/18/04	0730	1.3	.18	<.025	.08
			06/16/04	0900	1.2	.70	<.025	.38
			07/20/04	0800	.30	.18	<.025	.09
			09/13/04	1530	.07	.06	<.025	<.025

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[<, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Atrazine	Deethyl-atrazine	Deethyl-hydroxy-atrazine	Deiso-propyl-atrazine
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	0.05	0.04	<0.025	<0.025
			04/22/04	0910	.07	.04	<.025	.03
			05/17/04	1400	1.3	.10	<.025	.05
			06/14/04	1400	1.2	.31	<.025	.14
			07/19/04	1600	1.2	.34	<.025	.19
			09/13/04	1330	.18	.09	<.025	.04
6	06485500	Big Sioux River at Akron	03/09/04	1200	.06	.06	<.025	<.025
			04/13/04	0930	.03	<.025	<.025	<.025
			05/12/04	1030	.06	.05	<.025	.05
			05/26/04	1300	.38	.07	<.025	.06
			06/02/04	1215	1.3	.27	<.025	.20
			07/14/04	1030	.52	.14	<.025	.11
7	06607500	Little Sioux River near Turin	03/10/04	0830	.04	.04	<.025	<.025
			04/13/04	1400	.03	.03	<.025	<.025
			05/11/04	1020	1.4	.15	<.025	.08
			05/24/04	1100	3.3	.47	<.025	.30
			06/08/04	0850	.23	.07	<.025	.04
			06/17/04	1230	8.2	.46	.09	.29
8	06609500	Boyer River at Logan	03/12/04	0930	.03	<.025	<.025	<.025
			04/14/04	0730	.03	.03	<.025	<.025
			05/11/04	1300	.32	.09	<.025	.06
			05/23/04	1015	18	1.7	<.025	.94
			06/08/04	1130	.33	.08	<.025	.04
			06/17/04	1000	13	.88	.22	.65
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.025	.03	<.025	<.025
			03/29/04	1230	.08	.05	<.025	<.025



**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Atrazine	Deethyl-atrazine	Deethyl-hydroxy-atrazine	Deiso-propyl-atrazine
9	06810000	Nishnabotna River above Hamburg	04/12/04	1300	0.04	0.04	<0.025	<0.025
			05/10/04	1230	21	.96	<.025	.37
			05/25/04	1045	5.1	1.2	<.025	.91
			06/07/04	1245	.50	.14	<.025	.06
			07/12/04	1230	.58	.35	<.025	.16
10	06904010	Chariton River near Moulton	03/18/04	0900	.36	.29	<.025	.09
			04/22/04	1320	.23	.18	<.025	.07
			05/17/04	1100	.29	.21	<.025	.08
			06/14/04	1050	.85	.53	<.025	.20
			07/19/04	1230	.86	.67	<.025	.38
			09/13/04	1030	.56	.38	<.025	.15

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter		
					Deiso-propyl-hydroxy-atrazine	Didealkyl-atrazine	Hydroxy-atrazine
1	05412500	Turkey River at Garber	03/15/04	1100	<0.025	0.10	0.04
			04/20/04	0950	<.025	.12	.04
			05/19/04	1200	<.025	.34	.09
			05/24/04	1115	<.025	.43	.28
			06/10/04	1000	<.025	.29	.22
			07/21/04	1130	.05	<.025	<.025
			09/14/04	1300	<.025	.17	.09
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.025	.10	<.025
			03/29/04	1500	<.025	.13	.05
			04/20/04	1510	<.025	.13	.04
			05/19/04	0800	<.025	.18	.06
			05/25/04	1015	<.025	.45	.46
			06/10/04	1300	<.025	.23	.07
			07/21/04	0720	<.025	.28	.09
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.025	.08	.05
			04/15/04	0830	<.025	.12	.05
			05/18/04	1200	<.025	.18	.16
			05/25/04	1430	<.025	.58	.37
			06/16/04	1230	<.025	.25	.15
			07/20/04	1200	<.025	<.025	<.025
			09/14/04	0730	<.025	.10	.13
4	05474000	Skunk River at Augusta	03/17/04	1430	<.025	.07	.05
			04/15/04	1345	<.025	.11	.06
			05/18/04	0730	<.025	.15	.10
			06/16/04	0900	<.025	.58	.30
			07/20/04	0800	<.025	.36	<.025
			09/13/04	1530	<.025	.12	.19

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter		
					Deiso-propyl-hydroxy-atrazine	Didealkyl-atrazine	Hydroxy-atrazine
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<0.025	0.05	0.10
			04/22/04	0910	<.025	.07	.06
			05/17/04	1400	<.025	.10	.10
			06/14/04	1400	<.025	.23	.25
			07/19/04	1600	<.025	.32	<.025
			09/13/04	1330	<.025	.11	.24
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.025	<.025	.26
			04/13/04	0930	<.025	.09	.05
			05/12/04	1030	<.025	.14	.06
			05/26/04	1300	<.025	.32	.16
			06/02/04	1215	<.025	.29	.40
			07/14/04	1030	<.025	.26	.15
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.025	.06	.18
			04/13/04	1400	<.025	.11	.05
			05/11/04	1020	<.025	.14	.63
			05/24/04	1100	<.025	.37	.96
			06/08/04	0850	<.025	.19	.12
			06/17/04	1230	.06	.25	.86
			07/13/04	1000	<.025	.27	<.025
8	06609500	Boyer River at Logan	03/12/04	0930	<.025	.08	.07
			04/14/04	0730	<.025	.12	.07
			05/11/04	1300	<.025	.15	.09
			05/23/04	1015	<.025	.73	1.0
			06/08/04	1130	<.025	.24	.15
			06/17/04	1000	.08	.55	1.5
			07/13/04	1230	<.025	<.025	.14
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.025	.08	.08
			03/29/04	1230	<.025	.12	.15

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[<, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter		
					Deiso-propyl-hydroxy-atrazine	Didealkyl-atrazine	Hydroxy-atrazine
9	06810000	Nishnabotna River above Hamburg	04/12/04	1300	<0.025	0.15	0.07
			05/10/04	1230	<.025	.22	.69
			05/25/04	1045	<.025	.84	.84
			06/07/04	1245	<.025	.31	.16
			07/12/04	1230	<.025	.50	.31
10	06904010	Chariton River near Moulton	03/18/04	0900	<.025	.08	.44
			04/22/04	1320	<.025	.07	.31
			05/17/04	1100	<.025	.07	.33
			06/14/04	1050	<.025	.28	.46
			07/19/04	1230	<.025	<.025	<.025
			09/13/04	1030	<.025	.16	.57

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter					
					Bro-macil	Cyana-zine	Cyana-zine amide	Cyana-zine acid	Deethyl-cyana-zine	Deethyl-cyana-zine acid
1	05412500	Turkey River at Garber	03/15/04	1100	<0.025	<0.025	<0.025	<0.025	<0.020	<0.025
			04/20/04	0950	<.025	<.025	<.025	<.025	<.020	<.025
			05/19/04	1200	<.025	<.025	<.025	<.025	<.020	<.025
			05/24/04	1115	<.025	<.025	<.025	<.025	<.020	<.025
			06/10/04	1000	<.025	<.025	<.025	<.025	<.020	<.025
			07/21/04	1130	<.025	<.025	<.025	<.025	<.020	<.025
			09/14/04	1300	<.025	<.025	<.025	<.025	<.020	<.025
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.025	<.025	<.025	<.025	<.020	<.025
			03/29/04	1500	<.025	<.025	<.025	<.025	<.020	<.025
			04/20/04	1510	<.025	<.025	<.025	<.025	<.020	.08
			05/19/04	0800	<.025	<.025	<.025	<.025	<.020	<.025
			05/25/04	1015	<.025	<.025	<.025	<.025	<.020	<.025
			06/10/04	1300	<.025	<.025	<.025	<.025	<.020	<.025
			07/21/04	0720	<.025	<.025	<.025	<.025	<.020	<.025
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.025	<.025	<.025	<.025	<.020	<.025
			04/15/04	0830	<.025	<.025	<.025	<.025	<.020	.07
			05/18/04	1200	<.025	<.025	<.025	<.025	<.020	<.025
			05/25/04	1430	<.025	<.025	<.025	<.025	<.020	<.025
			06/16/04	1230	<.025	<.025	<.025	<.025	<.020	<.025
			07/20/04	1200	<.025	<.025	<.025	<.025	<.020	<.025
			09/14/04	0730	<.025	<.025	<.025	<.025	<.020	<.025
4	05474000	Skunk River at Augusta	03/17/04	1430	<.025	<.025	<.025	<.025	<.020	<.025
			04/15/04	1345	<.025	<.025	<.025	<.025	<.020	.08
			05/18/04	0730	<.025	<.025	<.025	<.025	<.020	<.025
			06/16/04	0900	<.025	<.025	<.025	<.025	<.020	<.025
			07/20/04	0800	<.025	<.025	<.025	<.025	<.020	<.025
			09/13/04	1530	<.025	<.025	<.025	<.025	<.020	<.025

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter					
					Bro-macil	Cyana-zine	Cyana-zine amide	Cyana-zine acid	Deethyl-cyana-zine	Deethyl-cyana-zine acid
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<0.025	<0.025	<0.025	<0.025	<0.020	<0.025
			04/22/04	0910	<.025	<.025	<.025	<.025	<.020	<.025
			05/17/04	1400	<.025	<.025	<.025	<.025	<.020	<.025
			06/14/04	1400	<.025	<.025	<.025	<.025	<.020	<.025
			07/19/04	1600	<.025	<.025	<.025	<.025	<.020	<.025
			09/13/04	1330	<.025	<.025	<.025	<.025	<.020	<.025
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.025	<.025	<.025	<.025	<.020	<.025
			04/13/04	0930	<.025	<.025	<.025	<.025	<.020	.38
			05/12/04	1030	<.025	<.025	<.025	<.025	<.020	.41
			05/26/04	1300	<.025	<.025	<.025	<.025	<.020	.25
			06/02/04	1215	<.025	<.025	<.025	<.025	<.020	<.025
			07/14/04	1030	<.025	<.025	<.025	<.025	<.020	<.025
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.025	<.025	<.025	<.025	<.020	.21
			04/13/04	1400	<.025	<.025	<.025	<.025	<.020	.58
			05/11/04	1020	<.025	<.025	<.025	<.025	<.020	.41
			05/24/04	1100	<.025	<.025	<.025	<.025	<.020	.26
			06/08/04	0850	<.025	<.025	<.025	<.025	<.020	.19
						06/17/04	1230	<.025	<.025	<.025
			07/13/04	1000	<.025	<.025	<.025	<.025	<.020	<.025
8	06609500	Boyer River at Logan	03/12/04	0930	<.025	<.025	<.025	<.025	<.020	.35
			04/14/04	0730	<.025	<.025	<.025	<.025	<.020	.71
			05/11/04	1300	<.025	<.025	<.025	<.025	<.020	.80
			05/23/04	1015	<.025	<.025	<.025	<.025	<.020	1.0
			06/08/04	1130	<.025	<.025	<.025	<.025	<.020	.47
						06/17/04	1000	<.025	<.025	<.025
			07/13/04	1230	<.025	<.025	<.025	<.025	<.020	.23
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.025	<.025	<.025	<.025	<.020	.20
			03/29/04	1230	<.025	<.025	<.025	<.025	<.020	.26
			04/12/04	1300	<.025	<.025	<.025	<.025	<.020	.55

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter					
					Bro-macil	Cyana-zine	Cyana-zine amide	Cyana-zine acid	Deethyl-cyana-zine	Deethyl-cyana-zine acid
9	06810000	Nishnabotna River above Hamburg	05/10/04	1230	<0.025	<0.025	<0.025	<0.025	<0.020	0.27
			05/25/04	1045	<.025	.61	<.025	<.025	<.020	.31
			06/07/04	1245	<.025	<.025	<.025	<.025	<.020	.33
			07/12/04	1230	<.025	<.025	<.025	<.025	<.020	.43
10	06904010	Chariton River near Moulton	03/18/04	0900	<.025	<.025	<.025	<.025	<.020	<.025
			04/22/04	1320	<.025	<.025	<.025	<.025	<.020	<.025
			05/17/04	1100	<.025	<.025	<.025	<.025	<.020	<.025
			06/14/04	1050	<.025	<.025	<.025	<.025	<.020	<.025
			07/19/04	1230	<.025	<.025	<.025	<.025	<.020	<.025
			09/13/04	1030	<.025	<.025	<.025	<.025	<.020	<.025

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter				
					Deethyl-cyana-zine amide	Prome-ton	Propa-zine	Sima-zine	Hydroxy-sima-zine
1	05412500	Turkey River at Garber	03/15/04	1100	<0.025	--	<0.025	<0.025	<0.025
			04/20/04	0950	<.025	--	<.025	<.025	<.025
			05/19/04	1200	<.025	<0.025	<.025	<.025	<.025
			05/24/04	1115	<.025	<.025	<.025	<.025	<.025
			06/10/04	1000	<.025	<.025	<.025	.03	<.025
			07/21/04	1130	<.025	<.025	<.025	<.025	<.025
			09/14/04	1300	<.025	<.025	<.025	<.025	<.025
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.025	--	<.025	<.025	<.025
			03/29/04	1500	<.025	--	<.025	<.025	<.025
			04/20/04	1510	<.025	--	<.025	<.025	<.025
			05/19/04	0800	<.025	--	<.025	.04	<.025
			05/25/04	1015	<.025	<.025	.04	<.025	<.025
			06/10/04	1300	<.025	<.025	<.025	<.025	<.025
			07/21/04	0720	<.025	<.025	<.025	<.025	<.025
			09/14/04	1000	<.025	<.025	<.025	<.025	<.025
3	05422000	Wapsipicon River near DeWitt	03/17/04	0830	<.025	--	<.025	<.025	<.025
			04/15/04	0830	<.025	--	<.025	<.025	<.025
			05/18/04	1200	<.025	<.025	.05	.05	<.025
			05/25/04	1430	<.025	<.025	.04	<.025	<.025
			06/16/04	1230	<.025	<.025	<.025	<.025	<.025
			07/20/04	1200	<.025	<.025	<.025	<.025	<.025
			09/14/04	0730	<.025	<.025	<.025	<.025	<.025
4	05474000	Skunk River at Augusta	03/17/04	1430	<.025	--	<.025	<.025	<.025
			04/15/04	1345	<.025	--	<.025	<.025	<.025
			05/18/04	0730	<.025	--	<.025	<.025	<.025
			06/16/04	0900	<.025	<.025	.03	<.025	<.025
			07/20/04	0800	<.025	<.025	<.025	<.025	<.025
			09/13/04	1530	<.025	<.025	<.025	<.025	<.025



**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter				
					Deethyl-cyana-zine amide	Prome-ton	Propa-zine	Sima-zine	Hydroxy-sima-zine
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<0.025	--	<0.025	<0.025	<0.025
			04/22/04	0910	<.025	--	<.025	<.025	<.025
			05/17/04	1400	<.025	--	<.025	<.025	<.025
			06/14/04	1400	<.025	<0.025	<.025	<.025	<.025
			07/19/04	1600	<.025	<.025	<.025	<.025	<.025
			09/13/04	1330	<.025	<.025	<.025	<.025	<.025
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.025	--	<.025	<.025	<.025
			04/13/04	0930	<.025	--	<.025	<.025	<.025
			05/12/04	1030	<.025	--	<.025	<.025	<.025
			05/26/04	1300	<.025	<.025	<.025	<.025	<.025
			06/02/04	1215	<.025	<.025	<.025	<.025	<.025
			07/14/04	1030	<.025	<.025	<.025	<.025	<.025
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.025	--	<.025	<.025	<.025
			04/13/04	1400	<.025	--	<.025	<.025	<.025
			05/11/04	1020	<.025	--	<.025	<.025	<.025
			05/24/04	1100	<.025	<.025	.03	.04	<.025
			06/08/04	0850	<.025	<.025	<.025	<.025	<.025
			06/17/04	1230	<.025	<.025	.05	<.025	<.025
			07/13/04	1000	<.025	<.025	<.025	<.025	<.025
8	06609500	Boyer River at Logan	03/12/04	0930	<.025	--	<.025	<.025	<.025
			04/14/04	0730	<.025	--	<.025	<.025	<.025
			05/11/04	1300	<.025	--	<.025	<.025	<.025
			05/23/04	1015	<.025	<.025	.14	.06	<.025
			06/08/04	1130	<.025	<.025	<.025	<.025	<.025
			06/17/04	1000	<.025	<.025	.07	.05	<.025
			07/13/04	1230	<.025	<.025	<.025	<.025	<.025

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter				
					Deethyl-cyana-zine amide	Prome-ton	Propa-zine	Sima-zine	Hydroxy-sima-zine
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<0.025	--	<0.025	<0.025	<0.025
			03/29/04	1230	<.025	--	<.025	<.025	<.025
			04/12/04	1300	<.025	--	<.025	<.025	<.025
			05/10/04	1230	<.025	<0.025	.21	.08	<.025
			05/25/04	1045	<.025	<.025	.06	.02	<.025
			06/07/04	1245	<.025	<.025	<.025	<.025	<.025
			07/12/04	1230	<.025	<.025	<.025	<.025	<.025
10	06904010	Chariton River near Moulton	03/18/04	0900	<.025	<.025	<.025	<.025	<.025
			04/22/04	1320	<.025	--	<.025	.03	<.025
			05/17/04	1100	<.025	--	<.025	<.025	<.025
			06/14/04	1050	<.025	<.025	<.025	.03	<.025
			07/19/04	1230	<.025	<.025	<.025	.05	<.025
			09/13/04	1030	<.025	<.025	<.025	<.025	<.025

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Diuron	Fluometuron	Demethyl-fluometuron	Linuron
1	05412500	Turkey River at Garber	03/15/04	1100	<0.020	<0.020	<0.020	<0.020
			04/20/04	0950	<.020	<.020	<.020	<.020
			05/19/04	1200	<.020	<.020	<.020	<.020
			05/24/04	1115	<.020	<.020	<.020	<.020
			06/10/04	1000	<.020	<.020	<.020	<.020
			07/21/04	1130	<.020	<.020	<.020	<.020
			09/14/04	1300	<.020	<.020	<.020	<.020
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.020	<.020	<.020	<.020
			03/29/04	1500	<.020	<.020	<.020	<.020
			04/20/04	1510	<.020	<.020	<.020	<.020
			05/19/04	0800	<.020	<.020	<.020	<.020
			05/25/04	1015	<.020	<.020	<.020	<.020
			06/10/04	1300	<.020	<.020	<.020	<.020
			07/21/04	0720	<.020	<.020	<.020	<.020
09/14/04	1000	<.020	<.020	<.020	<.020			
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.020	<.020	<.020	<.020
			04/15/04	0830	<.020	<.020	<.020	<.020
			05/18/04	1200	<.020	<.020	<.020	<.020
			05/25/04	1430	<.020	<.020	<.020	<.020
			06/16/04	1230	<.020	<.020	<.020	<.020
			07/20/04	1200	<.020	<.020	<.020	<.020
			09/14/04	0730	<.020	<.020	<.020	<.020
4	05474000	Skunk River at Augusta	03/17/04	1430	<.020	<.020	<.020	<.020
			04/15/04	1345	<.020	<.020	<.020	<.020
			05/18/04	0730	<.020	<.020	<.020	<.020
			06/16/04	0900	<.020	<.020	<.020	<.020
			07/20/04	0800	<.020	<.020	<.020	<.020
			09/13/04	1530	<.020	<.020	<.020	<.020
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<.020	<.020	<.020	<.020

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Diuron	Fluometuron	Demethyl-fluometuron	Linuron
5	05490500	Des Moines River at Keosauqua	04/22/04	0910	<0.020	<0.020	<0.020	<0.020
			05/17/04	1400	<.020	<.020	<.020	<.020
			06/14/04	1400	<.020	<.020	<.020	<.020
			07/19/04	1600	<.020	<.020	<.020	<.020
			09/13/04	1330	<.020	<.020	<.020	<.020
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.020	<.020	<.020	<.020
			04/13/04	0930	<.020	<.020	<.020	<.020
			05/12/04	1030	<.020	<.020	<.020	<.020
			05/26/04	1300	<.020	<.020	<.020	<.020
			06/02/04	1215	<.020	<.020	<.020	<.020
			07/14/04	1030	<.020	<.020	<.020	<.020
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.020	<.020	<.020	<.020
			04/13/04	1400	<.020	<.020	<.020	<.020
			05/11/04	1020	<.020	<.020	<.020	<.020
			05/24/04	1100	<.020	<.020	<.020	<.020
			06/08/04	0850	<.020	<.020	<.020	<.020
			06/17/04	1230	<.020	<.020	<.020	<.020
			07/13/04	1000	<.020	<.020	<.020	<.020
8	06609500	Boyer River at Logan	03/12/04	0930	<.020	<.020	<.020	<.020
			04/14/04	0730	<.020	<.020	<.020	<.020
			05/11/04	1300	<.020	<.020	<.020	<.020
			05/23/04	1015	<.020	<.020	<.020	<.020
			06/08/04	1130	<.020	<.020	<.020	<.020
			06/17/04	1000	<.020	<.020	<.020	<.020
			07/13/04	1230	<.020	<.020	<.020	<.020
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.020	<.020	<.020	<.020
			03/29/04	1230	<.020	<.020	<.020	<.020
			04/12/04	1300	<.020	<.020	<.020	<.020
			05/10/04	1230	<.020	<.020	<.020	<.020
			05/25/04	1045	<.020	<.020	<.020	<.020

**Table 9.** Concentrations of triazine and phenylurea herbicides and their degradation products analyzed by the U.S. Geological Survey Organic Geochemistry Research Laboratory, Lawrence, Kansas, for water samples collected from 10 rivers in Iowa, 2004.—Continued

[&lt;, less than; --, no data]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentration, in micrograms per liter			
					Diuron	Fluometuron	Demethyl-fluometuron	Linuron
9	06810000	Nishnabotna River above Hamburg	06/07/04	1245	<0.020	<0.020	<0.020	<0.020
			07/12/04	1230	<.020	<.020	<.020	<.020
10	06904010	Chariton River near Moulton	03/18/04	0900	<.020	<.020	<.020	<.020
			04/22/04	1320	.38	<.020	<.020	<.020
			05/17/04	1100	<.020	<.020	<.020	<.020
			06/14/04	1050	<.020	<.020	<.020	<.020
			07/19/04	1230	<.020	<.020	<.020	<.020
			09/13/04	1030	.020	<.020	<.020	<.020

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Aceto-chlor	Ala-chlor	Atra-zine	Carb-aryl	Carbo-furan	Chloro-pyrifos
1	05412500	Turkey River at Garber	03/15/04	1100	0.038	<0.007	0.104	<0.041	<0.020	<0.005
			04/20/04	0950	.029	<.005	.125	<.041	<.020	<.005
			05/19/04	1200	2.5	.014	5.6	<.041	<.020	<.005
			05/24/04	1100	4.9	.147	7.1	<.041	<.020	.009
			06/10/04	1000	.336	.008	1.9	<.041	E.016	.037
			07/21/04	1130	.019	<.005	.264	<.041	<.020	<.005
			08/17/04	1445	.016	<.005	.189	<.041	<.020	<.005
			09/14/04	1300	.008	<.005	.147	<.041	<.020	<.005
			10/18/04	1030	E.005	<.005	.112	<.041	<.020	<.005
			11/16/04	0901	<.006	<.005	.093	<.041	<.020	<.005
			12/06/04	0955	<.006	<.005	.073	<.041	<.020	<.005
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	.009	.006	.074	<.041	<.020	<.005
			03/29/04	1500	.015	.008	.090	<.041	<.020	<.005
			04/20/04	1510	.052	<.005	.154	<.041	<.020	<.005
			05/19/04	0800	.526	.007	1.5	<.041	<.020	.006
			05/25/04	1000	5.5	.080	10	<.041	E.092	.013
			06/10/04	1300	.075	E.005	.571	<.041	E.006	E.004
			07/21/04	0720	.017	<.005	.238	<.041	<.020	<.005
			08/17/04	1025	.009	<.005	.135	<.041	<.020	<.005
			09/14/04	1000	<.010	<.005	.095	<.041	<.020	<.005
			10/18/04	1330	E.005	<.005	.096	<.041	<.020	<.005
			11/17/04	0710	<.006	<.005	.091	<.041	<.020	<.005
12/06/04	1340	.047	<.010	.099	<.041	<.020	<.005			
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	.023	.007	.078	<.041	<.020	<.005
			04/15/04	0830	.012	<.005	.069	<.041	<.020	<.005
			05/18/04	1200	3.4	.019	9.5	<.041	<.020	E.008
			05/25/04	1400	3.2	.149	8.6	<.041	E.026	.010
			06/16/04	1230	.219	.007	2.5	<.041	E.516	<.005
			07/20/04	1200	.029	<.005	.517	<.041	E.031	<.005

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Aceto-chlor	Ala-chlor	Atra-zine	Carb-aryl	Carbo-furan	Chloro-pyrifos
3	05422000	Wapsipinicon River near DeWitt	08/17/04	0745	0.015	<0.005	0.247	<0.041	<0.020	<0.005
			09/14/04	0730	.011	<.005	.173	<.041	<.020	<.005
			10/18/04	1520	.006	<.005	.119	<.041	<.020	<.005
			11/17/04	0845	<.010	<.005	.100	<.041	<.020	<.005
			12/06/04	1615	.010	<.005	.062	<.041	<.020	<.005
4	05474000	Skunk River at Augusta	03/17/04	1430	.019	<.005	.099	<.041	<.020	<.005
			04/15/04	1345	.013	<.005	.093	<.041	<.020	<.005
			05/18/04	0730	.549	.006	2.6	<.041	<.020	<.010
			06/16/04	0900	.279	.011	2.5	<.041	<.020	<.005
			07/20/04	0800	.021	<.005	.363	<.041	<.020	<.005
			08/16/04	1615	.017	<.005	.244	<.041	<.020	<.005
			09/13/04	1530	.011	<.005	.150	<.041	<.020	<.005
			10/19/04	0845	.007	<.005	.452	<.041	<.020	<.005
			11/17/04	1130	<.020	<.005	.118	<.041	<.020	<.005
			12/08/04	1150	.013	<.005	.106	<.041	<.020	<.005
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	.049	<.007	.124	<.041	<.020	<.005
			04/22/04	0910	.049	<.005	.147	<.041	<.020	<.005
			05/17/04	1400	.422	.020	2.3	<.041	<.020	<.007
			06/14/04	1400	.776	.017	2.6	<.041	<.040	<.005
			07/19/04	1600	.148	<.005	1.4	<.041	<.020	<.005
			08/16/04	1330	.018	<.005	.488	<.041	<.020	<.005
			09/13/04	1330	.012	<.005	.313	<.041	<.020	<.005
			10/19/04	1100	.013	<.005	.240	<.041	<.020	<.005
			11/17/04	1400	<.006	<.005	.162	<.041	<.020	<.005
			12/08/04	0900	.015	<.005	.104	<.041	<.020	<.005
6	06485500	Big Sioux River at Akron	03/09/04	1200	.500	<.005	.173	<.041	<.020	<.005
			04/13/04	0930	.020	<.005	.045	<.041	<.020	<.005
			05/12/04	1030	.063	.008	.140	<.041	<.020	<.005
			05/26/04	1300	.911	.015	.759	E.008	<.020	E.005
			06/02/04	1215	1.3	.057	1.8	E.016	E.005	.005

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Aceto-chlor	Ala-chlor	Atra-zine	Carb-aryl	Carbo-furan	Chloro-pyrifos
6	06485500	Big Sioux River at Akron	07/14/04	1030	0.017	0.005	0.696	<0.041	<0.020	<0.005
			08/11/04	0940	.012	<.005	.214	<.041	<.020	<.005
			09/08/04	0730	.006	<.005	.092	<.041	<.020	<.005
			09/17/04	1230	.015	<.005	.104	E.011	<.020	E.004
			10/12/04	1600	<.006	<.005	.055	<.041	<.020	<.005
			11/18/04	1100	<.006	<.005	.044	<.041	<.020	<.005
7	06607500	Little Sioux River near Turin	03/10/04	0830	.020	<.005	.109	<.041	<.020	<.005
			04/13/04	1400	.019	<.005	.048	<.041	<.020	<.005
			05/11/04	1020	.493	.031	2.3	<.041	<.020	<.005
			05/24/04	1100	1.5	.016	4.8	<.041	<.020	.011
			06/08/04	0850	.086	.005	.370	<.041	<.020	<.005
			06/17/04	1230	.118	E.005	10	<.041	E.049	.007
			07/13/04	1000	.026	<.005	.568	<.041	<.020	<.005
			08/10/04	0900	.009	<.005	.180	<.041	<.020	<.005
			09/08/04	1100	<.006	<.005	.094	<.041	<.020	E.004
			09/20/04	1145	.035	<.005	.182	<.041	<.020	<.005
			10/12/04	1300	<.006	<.005	.067	<.041	<.020	<.005
11/17/04	0945	<.006	<.005	.047	<.041	<.020	<.005			
8	06609500	Boyer River at Logan	03/12/04	0930	.008	<.005	.084	<.041	<.020	<.005
			04/14/04	0730	.023	<.005	.070	<.041	<.020	<.005
			05/11/04	1300	.111	.007	.566	<.041	<.020	<.005
			05/23/04	1015	5.2	.039	27	E.007	<.020	.012
			06/08/04	1130	.038	<.005	.428	<.041	<.020	<.005
			06/17/04	1000	.390	E.005	18	<.041	E.736	.006
			07/13/04	1230	.016	<.005	.258	<.041	<.020	<.005
			08/10/04	1130	.009	<.005	.175	<.041	<.020	E.004
			09/07/04	1530	1.0	<.005	.239	<.041	<.020	<.005
			10/12/04	1000	E.005	<.005	.061	<.041	<.020	<.005
			11/17/04	1230	.013	<.005	.111	<.041	<.020	<.005



**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Aceto-chlor	Ala-chlor	Atra-zine	Carb-aryl	Carbo-furan	Chloro-pyrifos
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	0.009	<0.005	0.078	<0.041	<0.020	<0.005
			03/29/04	1230	.026	<.005	.160	<.041	<.020	.006
			04/12/04	1300	.017	<.005	.070	<.041	<.020	<.005
			05/10/04	1230	2.3	.240	E41.7	E.007	<.020	.008
			05/25/04	1045	.884	.051	8.7	E.007	<.020	.027
			06/07/04	1245	.051	.006	.781	<.041	<.020	<.005
			07/12/04	1230	.032	<.005	.681	<.041	<.020	<.005
			08/09/04	1230	.015	<.005	.239	<.041	<.020	E.004
			09/07/04	1230	.025	<.005	.273	<.041	<.020	<.005
			10/13/04	0800	<.006	<.005	.065	<.041	<.020	<.005
			11/16/04	1300	E.004	<.005	.041	<.041	<.020	<.005
10	06904010	Chariton River near Moulton	03/18/04	0900	.011	.006	.657	<.041	<.020	<.005
			04/22/04	1320	.022	<.005	.493	<.041	<.020	<.005
			05/17/04	1100	.065	<.005	.555	<.041	<.020	<.005
			06/14/04	1050	.206	<.005	1.3	<.041	<.020	<.005
			07/19/04	1230	.083	<.005	1.1	<.041	<.020	<.005
			08/16/04	1030	.047	<.005	1.1	<.041	<.020	<.005
			09/13/04	1030	.036	<.005	.853	<.041	<.020	<.005

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Cyana-zine	Deethyl-atra-zine	Dacthal	Desulfinyl fipronil	Diazinon	Diel-drin
1	05412500	Turkey River at Garber	03/15/04	1100	<0.018	E0.051	<0.003	<0.012	0.008	<0.009
			04/20/04	0950	<.018	E.058	<.003	<.012	<.005	<.009
			05/19/04	1200	<.018	E.184	<.003	<.012	<.005	<.009
			05/24/04	1100	.021	E.475	<.003	<.012	<.005	<.009
			06/10/04	1000	E.013	E.166	<.003	<.012	<.005	<.009
			07/21/04	1130	<.018	E.091	<.003	<.012	<.005	<.009
			08/17/04	1445	<.018	E.112	<.003	<.012	<.005	<.009
			09/14/04	1300	<.018	E.078	<.003	<.012	<.005	<.009
			10/18/04	1030	<.018	E.075	<.003	<.012	<.005	<.200
			11/16/04	0901	<.018	E.067	<.003	<.012	<.005	<.009
			12/06/04	0955	<.018	E.048	<.003	<.012	<.005	<.009
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.018	E.065	<.003	<.012	<.005	<.009
			03/29/04	1500	<.018	E.088	<.003	<.012	<.005	<.009
			04/20/04	1510	<.018	E.074	<.003	<.012	<.005	<.009
			05/19/04	0800	<.018	E.128	<.003	<.012	<.005	<.009
			05/25/04	1000	.023	E.440	<.003	<.012	<.005	<.009
			06/10/04	1300	<.018	E.114	<.003	<.012	<.005	<.009
			07/21/04	0720	<.018	E.100	<.003	<.012	<.005	<.009
			08/17/04	1025	<.018	E.078	<.003	<.012	<.005	<.009
			09/14/04	1000	<.018	E.079	<.003	<.012	<.005	<.009
			10/18/04	1330	<.018	E.088	<.003	<.012	<.005	<.020
			11/17/04	0710	<.018	E.069	<.003	<.012	<.005	<.009
			12/06/04	1340	<.018	E.052	<.003	<.012	<.005	<.009
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.018	E.050	<.003	<.012	<.005	<.009
			04/15/04	0830	<.018	E.054	<.003	<.012	<.005	<.009
			05/18/04	1200	E.015	E.265	<.003	<.012	<.005	<.009
			05/25/04	1400	E.017	E.418	.003	<.012	<.005	<.009
			06/16/04	1230	<.018	E.228	<.003	<.012	<.005	<.009

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Cyana-zine	Deethyl-atra-zine	Dacthal	Desulfinyl fipronil	Diaz-inon	Diel-drin
3	05422000	Wapsipinicon River near DeWitt	07/20/04	1200	<0.018	E0.165	<0.003	<0.012	<0.005	<0.009
			08/17/04	0745	<.018	E.073	<.003	<.012	<.005	<.009
			09/14/04	0730	<.018	E.068	<.003	<.012	<.005	<.009
			10/18/04	1520	<.018	E.067	<.003	<.012	<.005	<.009
			11/17/04	0845	<.018	E.053	<.003	<.012	<.005	<.009
			12/06/04	1615	<.018	E.041	<.003	<.012	<.005	<.009
4	05474000	Skunk River at Augusta	03/17/04	1430	<.018	E.037	<.003	<.012	<.005	<.009
			04/15/04	1345	<.018	E.038	<.003	<.012	<.005	<.009
			05/18/04	0730	E.007	E.113	<.003	<.012	<.005	<.009
			06/16/04	0900	E.018	E.433	<.003	<.012	<.005	<.009
			07/20/04	0800	<.018	E.079	<.003	<.012	<.005	<.009
			08/16/04	1615	<.018	E.056	<.003	<.012	<.005	<.009
			09/13/04	1530	<.018	E.051	<.003	<.012	<.005	<.009
			10/19/04	0845	<.018	E.034	<.003	E.004	<.005	<.009
			11/17/04	1130	<.018	E.056	<.003	<.012	<.005	<.009
			12/08/04	1150	<.018	E.038	<.003	<.012	<.005	<.009
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<.018	E.025	<.003	<.012	<.005	<.009
			04/22/04	0910	<.018	E.028	<.003	<.012	<.005	<.009
			05/17/04	1400	E.008	E.071	<.003	E.004	<.005	<.009
			06/14/04	1400	<.018	E.199	<.003	<.012	<.005	<.009
			07/19/04	1600	<.018	E.126	<.003	<.012	<.005	<.009
			08/16/04	1330	<.018	E.067	<.003	<.012	<.005	<.009
			09/13/04	1330	<.018	E.059	<.003	<.012	<.005	<.009
			10/19/04	1100	<.018	E.052	<.003	<.012	<.005	<.009
			11/17/04	1400	<.018	E.040	<.003	<.012	<.005	<.009
			12/08/04	0900	<.018	E.024	<.003	<.012	<.005	<.009
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.018	E.042	<.003	<.012	<.005	<.009
			04/13/04	0930	<.018	E.015	<.003	<.012	<.005	<.009
			05/12/04	1030	<.018	E.030	<.003	E.003	<.005	<.009

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Cyana-zine	Deethyl-atra-zine	Dacthal	Desulfinyl fipronil	Diaz-inon	Diel-drin
6	06485500	Big Sioux River at Akron	05/26/04	1300	E0.010	E0.060	<0.003	E0.004	0.006	<0.009
			06/02/04	1215	E.018	E.109	<.003	E.003	<.005	<.009
			07/14/04	1030	<.018	E.045	<.003	<.012	<.005	<.009
			08/11/04	0940	<.018	E.037	<.003	<.012	<.005	<.009
			09/08/04	0730	<.018	E.015	<.003	E.003	E.002	<.009
			09/17/04	1230	<.018	E.024	E.002	E.003	E.004	<.009
			10/12/04	1600	<.018	E.018	<.003	<.012	<.005	<.009
			11/18/04	1100	<.018	E.013	<.003	<.012	<.005	<.009
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.018	E.032	<.003	<.012	<.005	<.009
			04/13/04	1400	<.018	E.017	<.003	<.012	<.005	<.009
			05/11/04	1020	<.018	E.093	<.003	<.012	<.005	<.009
			05/24/04	1100	E.012	E.229	<.003	<.012	<.005	<.009
			06/08/04	0850	<.018	E.048	<.003	<.012	<.005	<.009
			06/17/04	1230	.026	E.245	<.003	E.003	<.005	<.009
			07/13/04	1000	<.018	E.042	<.003	<.012	<.005	<.009
			08/10/04	0900	<.018	E.027	<.003	<.012	<.005	<.009
			09/08/04	1100	<.018	E.016	<.003	<.012	<.005	<.009
			09/20/04	1145	<.018	E.057	<.003	<.012	<.005	<.009
8	06609500	Boyer River at Logan	03/12/04	0930	<.018	E.027	<.003	<.012	<.005	<.009
			04/14/04	0730	<.018	E.019	<.003	<.012	<.005	<.009
			05/11/04	1300	<.018	E.045	<.003	<.012	<.005	<.009
			05/23/04	1015	.029	E.668	<.003	<.012	<.005	<.009
			06/08/04	1130	<.018	E.042	<.003	<.012	<.005	<.009
			06/17/04	1000	E.015	E.418	<.003	E.003	<.005	<.009
			07/13/04	1230	<.018	E.028	<.003	<.012	<.005	<.009
			08/10/04	1130	<.018	E.029	<.003	<.012	<.005	<.009
09/07/04	1530	E.007	E.016	<.003	<.012	<.005	<.009			

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Cyana-zine	Deethyl-atra-zine	Dacthal	Desulfinyl fipronil	Diaz-inon	Diel-drin
8	06609500	Boyer River at Logan	10/12/04	1000	<0.018	E0.012	<0.003	<0.012	<0.005	<0.009
			11/17/04	1230	<.018	E.021	<.003	<.012	<.005	<.009
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<.018	E.024	<.003	<.012	<.005	<.009
			03/29/04	1230	E.012	E.028	<.003	<.012	<.005	<.009
			04/12/04	1300	<.018	E.023	<.003	<.012	<.005	<.009
			05/10/04	1230	.019	E.441	<.003	<.012	<.005	E.006
			05/25/04	1045	.516	E.469	<.003	<.012	<.005	<.009
			06/07/04	1245	E.008	E.076	<.003	<.012	<.005	E.003
			07/12/04	1230	<.018	E.068	<.003	<.012	<.005	<.009
			08/09/04	1230	<.018	E.036	<.003	<.012	<.005	<.009
			09/07/04	1230	E.016	E.025	<.003	<.012	<.005	<.009
			10/13/04	0800	<.018	E.017	<.003	<.012	<.005	<.009
10	06904010	Chariton River near Moulton	03/18/04	0900	<.018	E.222	<.003	<.012	<.005	<.009
			04/22/04	1320	<.018	E.107	<.003	<.012	<.005	<.009
			05/17/04	1100	<.018	E.158	<.003	<.012	<.005	<.009
			06/14/04	1050	<.018	E.343	<.003	<.012	<.005	<.009
			07/19/04	1230	<.018	E.270	<.003	<.012	<.005	<.009
			08/16/04	1030	<.018	E.235	<.003	<.012	<.005	<.009
			09/13/04	1030	<.018	E.223	<.003	<.012	<.005	<.009

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; <, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					EPTC	Fipronil sulfide	Fipronil sulfone	Fipronil	Fonofos
1	05412500	Turkey River at Garber	03/15/04	1100	<0.004	<0.013	<0.024	<0.016	<0.003
			04/20/04	0950	<.004	<.013	<.024	<.016	<.003
			05/19/04	1200	E.002	<.013	<.024	<.016	<.003
			05/24/04	1100	<.004	<.013	E.007	E.013	<.003
			06/10/04	1000	<.004	<.013	<.024	<.016	<.003
			07/21/04	1130	<.004	<.013	<.024	<.016	<.003
			08/17/04	1445	<.004	<.013	<.024	<.016	<.003
			09/14/04	1300	<.004	<.013	<.024	<.016	<.003
			10/18/04	1030	<.004	<.013	<.024	<.016	<.003
			11/16/04	0901	<.004	<.013	<.024	<.016	<.003
			12/06/04	0955	<.004	<.013	<.024	<.016	<.003
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.004	<.013	<.024	<.016	<.003
			03/29/04	1500	<.004	<.013	<.024	<.016	<.003
			04/20/04	1510	<.004	<.013	<.024	<.016	<.003
			05/19/04	0800	<.004	<.013	<.024	<.016	<.003
			05/25/04	1000	.006	<.013	<.024	E.019	<.003
			06/10/04	1300	<.004	<.013	<.024	<.016	<.003
			07/21/04	0720	<.004	<.013	<.024	<.016	<.003
			08/17/04	1025	<.004	<.013	<.024	<.016	<.003
			09/14/04	1000	<.004	<.013	<.024	<.016	<.003
			10/18/04	1330	<.004	<.013	<.024	<.016	<.003
			11/17/04	0710	<.004	<.013	<.024	<.016	<.003
12/06/04	1340	<.004	<.013	<.024	<.016	<.003			
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.004	<.013	<.024	<.016	<.003
			04/15/04	0830	<.004	<.013	<.024	<.016	<.003
			05/18/04	1200	<.004	<.013	<.024	<.016	<.003
			05/25/04	1400	E.004	<.013	<.024	E.016	<.003
			06/16/04	1230	<.004	<.013	<.024	<.016	<.003
			07/20/04	1200	<.004	<.013	<.024	<.016	<.003

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					EPTC	Fipronil sulfide	Fipronil sulfone	Fipronil	Fonofos
3	05422000	Wapsipinicon River near DeWitt	08/17/04	0745	<0.004	<0.013	<0.024	<0.016	<0.003
			09/14/04	0730	<.004	<.013	<.024	<.016	<.003
			10/18/04	1520	<.004	<.013	<.024	<.016	<.003
			11/17/04	0845	<.004	<.013	<.024	<.016	<.003
			12/06/04	1615	<.004	<.013	<.024	<.016	<.003
4	05474000	Skunk River at Augusta	03/17/04	1430	<.004	<.013	<.024	<.016	<.003
			04/15/04	1345	<.004	<.013	<.024	<.016	<.003
			05/18/04	0730	<.004	<.013	<.024	<.016	<.003
			06/16/04	0900	<.004	<.013	<.024	<.016	<.003
			07/20/04	0800	<.004	<.013	<.024	<.016	<.003
			08/16/04	1615	<.004	<.013	<.024	<.016	<.003
			09/13/04	1530	<.004	<.013	<.024	<.016	<.003
			10/19/04	0845	<.004	<.013	<.024	<.016	<.003
			11/17/04	1130	<.004	<.013	<.024	<.016	<.003
12/08/04	1150	<.004	<.013	<.024	<.016	<.003			
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<.004	<.013	<.024	<.016	<.003
			04/22/04	0910	<.004	<.013	<.024	<.016	<.003
			05/17/04	1400	<.007	<.013	<.024	E.004	<.003
			06/14/04	1400	<.004	<.013	<.024	<.016	<.003
			07/19/04	1600	<.004	<.013	<.024	<.016	<.003
			08/16/04	1330	<.004	<.013	<.024	<.016	<.003
			09/13/04	1330	<.004	<.013	<.024	<.016	<.003
			10/19/04	1100	<.004	<.013	<.024	<.016	<.003
			11/17/04	1400	<.004	<.013	<.024	<.016	<.003
12/08/04	0900	<.004	<.013	<.024	<.016	<.003			
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.004	<.013	<.024	<.016	<.003
			04/13/04	0930	<.004	<.013	<.024	<.016	<.003
			05/12/04	1030	E.003	<.013	<.024	<.016	<.003
			05/26/04	1300	E.003	<.013	<.024	E.014	<.003
			06/02/04	1215	.008	<.013	E.005	E.019	<.003

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; <, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					EPTC	Fipronil sulfide	Fipronil sulfone	Fipronil	Fonofos
6	06485500	Big Sioux River at Akron	07/14/04	1030	<0.004	<0.013	<0.024	<0.016	<0.003
			08/11/04	0940	<.004	<.013	<.024	<.016	<.003
			09/08/04	0730	<.004	<.013	<.024	<.016	<.003
			09/17/04	1230	<.004	<.013	<.024	<.016	<.003
			10/12/04	1600	<.004	<.013	<.024	<.016	<.003
			11/18/04	1100	<.004	<.013	<.024	<.016	<.003
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.004	<.013	<.024	<.016	<.003
			04/13/04	1400	<.004	<.013	<.024	<.016	<.003
			05/11/04	1020	<.004	<.013	<.024	<.016	<.003
			05/24/04	1100	E.003	<.013	<.024	E.009	<.003
			06/08/04	0850	<.004	<.013	<.024	<.016	<.003
			06/17/04	1230	<.004	E.003	E.006	E.014	<.003
			07/13/04	1000	<.004	<.013	<.024	<.016	<.003
			08/10/04	0900	<.008	<.013	<.024	<.016	<.003
			09/08/04	1100	<.004	<.013	<.024	<.016	<.003
			09/20/04	1145	<.004	<.013	<.024	<.016	<.003
			10/12/04	1300	<.004	<.013	<.024	<.016	<.003
			11/17/04	0945	<.004	<.013	<.024	<.016	<.003
8	06609500	Boyer River at Logan	03/12/04	0930	<.004	<.013	<.024	<.016	<.003
			04/14/04	0730	<.004	<.013	<.024	<.016	<.003
			05/11/04	1300	<.004	<.013	<.024	<.016	<.003
			05/23/04	1015	E.003	<.013	<.024	E.006	<.003
			06/08/04	1130	<.004	<.013	<.024	<.016	<.003
			06/17/04	1000	<.004	<.013	E.005	E.010	<.003
			07/13/04	1230	<.004	<.013	<.024	<.016	<.003
			08/10/04	1130	<.004	<.013	<.024	<.016	<.003
			09/07/04	1530	<.004	<.013	<.024	<.016	<.003
			10/12/04	1000	<.004	<.013	<.024	<.016	<.003
			11/17/04	1230	<.004	<.013	<.024	<.016	<.003



**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004.—Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					EPTC	Fipronil sulfide	Fipronil sulfone	Fipronil	Fonofos
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<0.004	<0.013	<0.024	<0.016	<0.003
			03/29/04	1230	<.004	<.013	<.024	<.016	<.003
			04/12/04	1300	<.004	<.013	<.024	<.016	<.003
			05/10/04	1230	<.004	<.013	E.006	E.009	<.003
			05/25/04	1045	<.004	<.013	E.008	E.031	.024
			06/07/04	1245	<.004	<.013	<.024	<.016	<.003
			07/12/04	1230	<.004	<.013	<.024	<.016	<.003
			08/09/04	1230	<.004	<.013	<.024	<.016	<.003
			09/07/04	1230	<.004	<.013	<.024	<.016	<.003
			10/13/04	0800	<.004	<.013	<.024	<.016	<.003
			11/16/04	1300	<.004	<.013	<.024	<.016	<.003
10	06904010	Chariton River near Moulton	03/18/04	0900	<.004	<.013	<.024	<.016	<.003
			04/22/04	1320	<.004	<.013	<.024	<.016	<.003
			05/17/04	1100	<.004	<.013	<.024	<.016	<.003
			06/14/04	1050	<.004	<.013	<.024	<.016	<.003
			07/19/04	1230	<.004	<.013	<.024	<.016	<.003
			08/16/04	1030	<.004	<.013	<.024	<.016	<.003
			09/13/04	1030	<.004	<.013	<.024	<.016	<.003

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004 —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor	Metribuzin	p,p'-DDE	Pendmethalin	Prometon	Propachlor
1	05412500	Turkey River at Garber	03/15/04	1100	0.08	<0.006	<0.003	<0.022	<0.01	<0.025
			04/20/04	0950	.031	<.006	<.003	<.022	.01	<.025
			05/19/04	1200	.594	.013	<.003	<.022	.01	<.025
			05/24/04	1100	.930	.029	<.010	E.011	.01	<.025
			06/10/04	1000	.415	<.006	<.003	<.022	.01	<.025
			07/21/04	1130	.025	<.006	<.003	<.022	<.01	<.025
			08/17/04	1445	.019	<.006	<.003	<.022	.01	<.025
			09/14/04	1300	.015	<.006	<.003	<.022	.01	<.025
			10/18/04	1030	.011	<.006	<.015	<.022	E.01	<.025
			11/16/04	0901	.011	<.006	<.003	<.022	<.01	<.025
			12/06/04	0955	.011	<.006	<.003	<.022	.01	<.025
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	.024	<.006	<.003	<.022	<.01	<.025
			03/29/04	1500	.053	<.006	<.003	<.022	.01	<.025
			04/20/04	1510	.041	<.006	<.003	<.022	.01	<.025
			05/19/04	0800	.238	.006	<.003	<.022	.01	<.025
			05/25/04	1000	2.8	.019	<.010	<.022	.01	<.025
			06/10/04	1300	.128	<.006	E.002	<.022	.01	<.025
			07/21/04	0720	.039	<.006	<.003	<.022	.01	<.025
			08/17/04	1025	.022	<.006	<.003	<.022	.01	<.025
			09/14/04	1000	.015	<.006	<.003	<.022	<.01	<.025
			10/18/04	1330	.011	<.006	<.015	<.022	E.01	<.025
			11/17/04	0710	.011	<.006	<.003	<.022	<.01	<.025
12/06/04	1340	.019	<.006	<.003	<.022	<.01	<.025			
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	.102	<.006	<.003	<.022	<.01	<.025
			04/15/04	0830	.042	<.006	<.003	<.022	.01	<.025
			05/18/04	1200	1.6	<.006	<.003	<.022	.01	<.025
			05/25/04	1400	2.4	.025	<.010	E.014	.01	<.025
			06/16/04	1230	.310	<.010	<.003	<.022	.01	<.025

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004 —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor	Metribuzin	p,p'-DDE	Pendimethalin	Prometon	Propachlor
3	05422000	Wapsipinicon River near DeWitt	07/20/04	1200	0.063	<0.006	<0.003	<0.022	0.01	<0.025
			08/17/04	0745	.048	<.006	<.003	<.022	.01	<.025
			09/14/04	0730	.039	<.006	<.003	<.022	.01	<.025
			10/18/04	1520	.028	<.006	<.015	<.022	E.01	<.025
			11/17/04	0845	.043	<.006	<.003	<.022	E.01	<.025
			12/06/04	1615	.034	<.006	<.003	<.022	<.01	<.025
4	05474000	Skunk River at Augusta	03/17/04	1430	.228	<.006	<.003	<.022	<.01	<.025
			04/15/04	1345	.085	<.006	<.003	<.022	.01	<.025
			05/18/04	0730	1.2	<.006	<.003	<.022	.01	<.025
			06/16/04	0900	.930	.009	<.003	<.022	.04	<.025
			07/20/04	0800	.126	<.006	<.003	<.022	.01	<.025
			08/16/04	1615	.085	<.006	<.003	<.022	<.01	<.025
			09/13/04	1530	.067	<.006	<.003	<.022	.01	<.025
			10/19/04	0845	.031	<.006	<.006	<.022	E.01	<.025
			11/17/04	1130	.062	<.006	<.003	<.022	<.01	<.025
			12/08/04	1150	.071	<.006	<.003	<.022	.02	<.025
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	.953	<.006	<.003	<.022	.01	<.025
			04/22/04	0910	.337	<.006	<.003	<.022	.01	<.025
			05/17/04	1400	.612	<.006	<.003	<.022	.01	<.025
			06/14/04	1400	.704	.012	<.003	<.022	.01	<.025
			07/19/04	1600	.199	<.006	<.003	<.022	.02	<.025
			08/16/04	1330	.074	<.006	<.003	<.022	.02	<.025
			09/13/04	1330	.064	<.006	<.003	<.022	.02	<.025
			10/19/04	1100	.053	<.006	<.003	<.022	.01	<.025
			11/17/04	1400	.036	<.006	<.003	<.022	E.01	<.025
			12/08/04	0900	.034	<.006	<.003	<.022	E.01	<.025
6	06485500	Big Sioux River at Akron	03/09/04	1200	1.7	<.006	<.003	<.022	<.01	<.025
			04/13/04	0930	.111	<.006	<.003	<.022	.01	<.025
			05/12/04	1030	.079	<.006	<.003	E.006	.01	<.025
			05/26/04	1300	.387	.012	<.003	<.022	.02	<.025

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004 —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor	Metribuzin	p,p'-DDE	Pendmethalin	Prometon	Propachlor
6	06485500	Big Sioux River at Akron	06/02/04	1215	0.662	<0.007	<0.003	<0.022	0.01	<0.025
			07/14/04	1030	.046	<.006	<.003	<.022	.01	<.025
			08/11/04	0940	.045	<.006	<.003	<.022	.01	<.025
			09/08/04	0730	.035	<.006	<.003	<.022	.03	<.025
			09/17/04	1230	.049	<.006	<.005	<.022	.02	<.025
			10/12/04	1600	.035	<.006	<.003	<.022	.01	<.025
			11/18/04	1100	.014	<.006	<.003	<.022	<.01	<.025
7	06607500	Little Sioux River near Turin	03/10/04	0830	.472	<.006	<.003	<.022	<.01	<.025
			04/13/04	1400	.071	<.006	<.003	<.022	.01	<.025
			05/11/04	1020	.451	.015	<.003	E.013	<.01	<.025
			05/24/04	1100	1.2	.019	<.003	.032	.01	<.025
			06/08/04	0850	.113	E.005	<.003	<.022	.01	<.025
			06/17/04	1230	.470	.007	<.015	.030	.01	E.004
			07/13/04	1000	.070	<.006	<.003	<.022	.01	<.025
			08/10/04	0900	.023	<.006	<.003	<.022	<.01	<.025
			09/08/04	1100	.020	<.006	<.003	<.022	.01	<.025
			09/20/04	1145	.081	<.006	<.003	<.022	.01	<.025
8	06609500	Boyer River at Logan	03/12/04	0930	.205	<.006	<.003	<.022	.02	<.025
			04/14/04	0730	.042	<.006	<.003	<.022	.01	<.025
			05/11/04	1300	.333	.007	<.003	<.022	.01	<.025
			05/23/04	1015	3.9	.139	<.003	E.021	.01	<.025
			06/08/04	1130	.146	E.004	<.003	<.022	<.01	<.025
			06/17/04	1000	.650	.008	<.015	E.016	.01	<.025
			07/13/04	1230	.053	<.006	<.003	<.022	.01	<.025
			08/10/04	1130	.035	<.006	<.003	<.022	.02	<.025
			09/07/04	1530	.111	<.006	<.003	<.022	.01	<.025
			10/12/04	1000	.024	<.006	<.003	<.022	.01	<.025

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004 —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter					
					Metolachlor	Metribuzin	p,p'-DDE	Pendimethalin	Prometon	Propanchlor
8	06609500	Boyer River at Logan	11/17/04	1230	0.022	<0.006	<0.003	<0.022	0.02	<0.025
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	.027	<.006	<.003	<.022	<.01	<.025
			03/29/04	1230	.066	<.006	<.003	E.007	.01	<.025
			04/12/04	1300	.032	<.006	<.003	<.022	<.01	<.025
			05/10/04	1230	.925	.053	<.003	E.017	.01	<.025
			05/25/04	1045	3.1	.075	<.003	.028	.01	<.025
			06/07/04	1245	.131	.006	<.003	E.009	.01	<.025
			07/12/04	1230	.121	E.005	<.003	<.022	.02	<.025
			08/09/04	1230	.041	<.006	<.003	<.022	.01	<.025
			09/07/04	1230	.098	<.006	<.003	<.022	.01	<.025
			10/13/04	0800	.012	<.006	<.003	<.022	<.01	<.025
10	06904010	Chariton River near Moulton	11/16/04	1300	.014	<.006	<.003	<.022	<.01	<.025
			03/18/04	0900	.123	<.006	<.003	<.022	.01	<.025
			04/22/04	1320	.079	<.006	<.003	<.022	.01	<.025
			05/17/04	1100	.102	<.006	<.003	<.022	.04	<.025
			06/14/04	1050	.193	<.006	<.003	<.022	.01	<.025
			07/19/04	1230	.301	<.006	<.003	<.022	<.01	<.025
			08/16/04	1030	.222	<.006	<.003	<.022	.01	<.025
09/13/04	1030	.228	<.006	<.003	<.022	<.01	<.025			

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004. —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; <, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Propanil	Simazine	Tebuthiuron	Terbacil	Tri-fluralin
1	05412500	Turkey River at Garber	03/15/04	1100	<0.011	<0.005	<0.02	<0.034	<0.009
			04/20/04	0950	<.011	<.010	<.02	<.034	<.009
			05/19/04	1200	<.011	.029	<.02	<.034	<.009
			05/24/04	1100	<.011	.046	.04	<.034	<.009
			06/10/04	1000	<.011	.042	<.02	<.034	<.009
			07/21/04	1130	<.011	.010	<.02	<.034	<.009
			08/17/04	1445	<.011	.011	<.02	<.034	<.009
			09/14/04	1300	<.011	<.010	<.02	<.034	<.009
			10/18/04	1030	<.011	E.004	<.02	<.034	<.009
			11/16/04	0901	<.011	<.010	<.02	<.034	<.009
			12/06/04	0955	<.011	<.005	<.02	<.034	<.009
2	05418600	Maquoketa River near Spragueville	03/15/04	1700	<.011	<.005	<.02	<.034	<.009
			03/29/04	1500	<.011	.006	<.02	<.034	<.009
			04/20/04	1510	<.011	<.005	<.02	<.034	<.009
			05/19/04	0800	<.011	.050	<.02	<.034	<.009
			05/25/04	1000	<.011	.046	.02	<.034	<.009
			06/10/04	1300	<.011	.007	<.02	<.034	E.004
			07/21/04	0720	<.011	<.010	<.02	<.034	<.009
			08/17/04	1025	<.011	.008	<.02	<.034	<.009
			09/14/04	1000	<.011	<.005	<.02	<.034	<.009
			10/18/04	1330	<.011	<.005	<.02	<.034	<.009
			11/17/04	0710	<.011	<.005	<.02	<.034	<.009
			12/06/04	1340	<.011	<.005	<.02	<.034	<.009
3	05422000	Wapsipinicon River near DeWitt	03/17/04	0830	<.011	<.005	<.02	<.034	<.009
			04/15/04	0830	<.011	.006	<.02	<.034	<.009
			05/18/04	1200	<.011	.063	<.02	<.034	<.009
			05/25/04	1400	<.011	.059	E.01	<.034	<.009
			06/16/04	1230	<.011	.017	<.02	<.034	<.009
			07/20/04	1200	<.011	<.010	<.02	<.034	<.009

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004. —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Propanil	Simazine	Tebuthiuron	Terbacil	Tri-fluralin
3	05422000	Wapsipinicon River near DeWitt	08/17/04	0745	<0.011	0.008	<0.02	<0.034	<0.009
			09/14/04	0730	<.011	<.010	<.02	<.034	<.009
			10/18/04	1520	<.011	<.005	<.02	<.034	<.009
			11/17/04	0845	<.011	<.005	<.02	<.034	<.009
			12/06/04	1615	<.011	<.005	<.02	<.034	<.009
4	05474000	Skunk River at Augusta	03/17/04	1430	<.011	<.005	<.02	<.034	<.009
			04/15/04	1345	<.011	.006	<.02	<.034	<.009
			05/18/04	0730	<.011	.011	<.02	<.034	<.009
			06/16/04	0900	<.011	.018	<.02	<.034	E.005
			07/20/04	0800	<.011	<.010	<.02	<.034	<.009
			08/16/04	1615	<.011	<.005	<.02	<.034	<.009
			09/13/04	1530	<.011	.010	<.02	<.034	<.009
			10/19/04	0845	<.011	E.004	<.02	<.034	<.009
			11/17/04	1130	<.011	<.005	<.02	<.034	<.009
			12/08/04	1150	<.011	<.005	<.02	<.034	<.009
5	05490500	Des Moines River at Keosauqua	03/18/04	1230	<.011	.022	<.02	<.034	<.009
			04/22/04	0910	<.011	<.010	<.02	<.034	<.009
			05/17/04	1400	<.011	.024	<.02	<.034	<.009
			06/14/04	1400	<.011	.015	<.02	<.034	E.004
			07/19/04	1600	<.011	.012	<.02	<.034	<.009
			08/16/04	1330	<.011	.009	<.02	<.034	<.009
			09/13/04	1330	<.011	.012	<.02	<.034	<.009
			10/19/04	1100	<.011	<.005	<.02	<.034	<.009
			11/17/04	1400	<.011	<.005	<.02	<.034	<.009
			12/08/04	0900	<.011	<.005	<.02	<.034	<.009
6	06485500	Big Sioux River at Akron	03/09/04	1200	<.011	<.005	<.02	<.034	<.009
			04/13/04	0930	<.011	<.005	<.02	<.034	<.009
			05/12/04	1030	<.011	<.005	<.02	<.034	<.009
			05/26/04	1300	<.011	.007	<.02	<.034	E.009
			06/02/04	1215	<.011	.010	<.02	<.034	E.007

**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004. —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; <, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Propanil	Simazine	Tebuthiuron	Terbacil	Tri-fluralin
6	06485500	Big Sioux River at Akron	07/14/04	1030	<0.011	0.005	<0.02	<0.034	<0.009
			08/11/04	0940	<.011	<.005	<.02	<.034	<.009
			09/08/04	0730	<.011	<.005	<.02	<.034	<.009
			09/17/04	1230	<.011	<.005	<.02	<.034	<.009
			10/12/04	1600	<.011	<.005	<.02	<.034	<.009
			11/18/04	1100	<.011	<.005	<.02	<.034	<.009
7	06607500	Little Sioux River near Turin	03/10/04	0830	<.011	<.005	<.02	<.034	<.009
			04/13/04	1400	<.011	<.005	<.02	<.034	<.009
			05/11/04	1020	<.011	.015	<.02	<.034	<.009
			05/24/04	1100	<.011	.067	<.02	<.034	.021
			06/08/04	0850	<.011	.018	E.01	<.034	<.009
			06/17/04	1230	<.011	.040	<.02	<.034	.020
			07/13/04	1000	<.011	.007	<.02	<.034	<.009
			08/10/04	0900	<.011	<.005	<.02	<.034	<.009
			09/08/04	1100	<.011	<.005	<.02	<.034	<.009
			09/20/04	1145	<.011	<.005	<.02	<.034	<.009
			10/12/04	1300	<.011	<.005	<.02	<.034	<.009
11/17/04	0945	<.011	<.005	<.02	<.034	<.009			
8	06609500	Boyer River at Logan	03/12/04	0930	<.011	<.005	<.02	<.034	<.009
			04/14/04	0730	<.011	<.005	<.02	<.034	<.009
			05/11/04	1300	<.011	<.005	<.02	<.034	<.009
			05/23/04	1015	<.011	.092	<.02	<.034	.015
			06/08/04	1130	<.011	E.005	<.02	<.034	<.009
			06/17/04	1000	<.011	.076	<.02	<.034	.016
			07/13/04	1230	<.011	.149	<.02	<.034	<.009
			08/10/04	1130	<.011	E.004	<.02	E.031	<.009
			09/07/04	1530	<.011	<.005	<.02	<.034	<.009
			10/12/04	1000	<.011	<.005	<.02	<.034	<.009
			11/17/04	1230	<.011	<.005	<.02	<.034	<.009



**Table 10.** Concentrations of selected pesticides and pesticide degradation products determined by the U.S. Geological Survey National Water-Quality Laboratory, Lakewood, Colorado, using laboratory schedule 2001 for water samples collected from 10 rivers in Iowa, 2004. —Continued

[E, estimated; EPTC, s-ethyl dipropylthiocarbamate; &lt;, less than; --, not detected]

Map number (fig. 4)	U.S. Geological Survey site identification number	Site name	Date of collection (month/day/year)	Collection time (24-hour)	Concentrations, in micrograms per liter				
					Propanil	Simazine	Tebuthiuron	Terbacil	Tri-fluralin
9	06810000	Nishnabotna River above Hamburg	03/11/04	1030	<0.011	<0.005	<0.02	<0.034	<0.009
			03/29/04	1230	<.011	<.005	<.02	<.034	E.004
			04/12/04	1300	<.011	<.005	<.02	<.034	<.009
			05/10/04	1230	<.011	.098	<.02	<.034	.035
			05/25/04	1045	<.011	.042	<.02	<.034	.034
			06/07/04	1245	<.011	.006	<.02	<.034	<.009
			07/12/04	1230	<.011	.009	<.02	<.034	<.009
			08/09/04	1230	<.011	<.005	<.02	<.034	<.009
			09/07/04	1230	<.011	.011	<.02	<.034	<.009
			10/13/04	0800	<.011	<.005	<.02	<.034	<.009
			11/16/04	1300	<.011	<.005	<.02	<.034	<.009
10	06904010	Chariton River near Moulton	03/18/04	0900	<.011	.043	<.02	<.034	<.009
			04/22/04	1320	<.011	.031	<.02	<.034	<.009
			05/17/04	1100	<.011	.037	E.01	<.034	<.009
			06/14/04	1050	<.011	.041	<.02	<.034	<.009
			07/19/04	1230	<.011	.035	<.02	<.034	<.009
			08/16/04	1030	<.011	.033	<.02	<.034	<.009
			09/13/04	1030	<.011	.032	<.02	<.034	<.009

Prepared by Lawrence Publishing Service Center.  
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