Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999

[µS/cm, microsiemens per centimeter at 25 °C; °C, degrees Celsius; NTU, nephelometric turbidity units; mg/L, milligrams per liter; $CaCO_3$, calcium carbonate; USGS, U.S. Geological Survey; SC, analytical schedule code; LC, analytical laboratory code; µg/L, micrograms per liter; <, less than; N, nitrogen; P, phosphorus; --, no data; E, estimated]

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Date (month/day/year)	5/26/99	5/27/99	5/28/99	6/7/99	6/15/99	6/4/99	6/16/99	5/29/99	6/18/99	6/5/99	6/9/99	6/17/99	6/8/99	6/3/99	6/28/99	6/29/99	6/8/99	6/2/99	6/11/99	6/6/99
Time (24-hour)	0900	1000	0900	1100	0900	1200	1000	1100	1000	1200	0900	0900	1000	1000	1400	0900	1500	1100	0900	1400
Physical properties																				
Specific conductance (µS/cm)	325	295	618	487	1,010	462	562	480	402	492	708	502	444	1,280	667	493	1,760	173	333	280
pH (standard units)	7.6	7.2	7.4	7.4	7.3	7.5	7.4	7.4	7.6	7.2	7.3	7.5	7.1	7.1	7.0	7.2	7.1	6.4	7.0	6.8
Water temperature (°C)	16.3	16.1	15.3	15.5	17.5	16.5	14.8	16.0	15.8	16.2	17.0	15.1	16.0	16.4	15.8	16.3	17.6	16.1	16.8	17.7
Turbidity (NTU)	.80	.40	.20	.50	.30	.30	.20	.40	.10	.20	.30	.10	.20	.30	.30	.10	.20	.30	.20	.30
Dissolved oxygen (mg/L)	6.7	4.7	4.6	4.1	4.1	3.9	.2	4.9	6.0	7.2	6.3	7.3	5.7	5.3	.1	3.1	4.6	5.4	5.6	5.5
Alkalinity, water whole, field (mg/L as $CaCO_3$)	140	120	210	190	270	180	210	160	140	220	160	160	150	260	310	200	320	60	96	71
Dissolved solids, major ions, and selected trace elements, USGS SC2750, filtered, in milligrams per liter (unless noted)																				
Dissolved solids	215	199	396	330	555	305	326	311	249	325	544	325	307	890	501	296	1,060	143	242	216
Bicarbonate	170	140	250	230	330	250	250	190	170	270	200	200	180	320	380	250	390	73	120	87
Bromide	.02	.03	.10	.06	.15	.04	.05	.05	.03	.05	.33	.04	.06	.19	.05	.06	.15	.03	.08	.07
Calcium	47	40	84	64	100	73	60	70	47	80	90	48	46	160	87	70	67	19	40	30
Chloride	10	5.7	30	14	110	22	43	26	20	13	97	38	21	100	20	20	350	5.7	7.0	5.2
Fluoride	.1	.2	.5	.5	.4	.4	.3	.3	.3	.2	.2	.4	.5	.3	.4	.2	.3	.2	.2	.2
Iron (µg/L)	<10	<10	<10	10	<10	<10	150	<10	<10	<10	<10	<10	<10	<10	2,600	<10	<10	<10	<10	<10
Magnesium	3.3	4.6	9.2	9.0	16	4.1	4.3	5.4	5.3	6.2	7.7	4.4	8.9	37	11	6.5	10	4.5	6.0	5.6
Manganese (µg/L)	<3	<3	<3	<3	<3	<3	110	<3	<3	<3	<3	<3	<3	<3	360	<3	<3	<3	<3	<3
Potassium	2	3	3	3	5	4	3	3	2	1	2	2	2	4	3	2	3	3	1	.9
Silica	24	26	21	22	25	21	15	23	23	23	22	22	19	19	31	26	23	26	27	29
Sodium	15	11	31	26	71	20	50	19	26	18	30	45	34	57	54	22	290	9.6	19	17
Sulfate	9.8	8.8	33	21	59	8.2	15	19	13	13	16	14	34	290	42	21	50	12	23	18

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Nutrients, USGS SC2752, and dissolved organic carbon, USGS SC2085, filtered, in milligrams per liter																				
Nitrogen, ammonia, as N	0.02	<0.02	0.02	0.03	<0.02	0.02	<0.02	0.03	<0.02	0.02	<0.02	<0.02	0.04	0.06	0.39	0.03	0.04	<0.02	<0.02	0.04
Nitrogen, ammonia plus organic nitrogen, as N	<.1	<.1	.10	<.1	.11	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	.42	<.1	.12	<.1	<.1	<.1
Nitrogen, nitrite, as N	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Nitrogen, nitrite plus nitrate, as N	1.2	7.5	15	8.0	3.8	5.5	.30	11	3.2	5.0	9.5	6.8	8.8	3.0	<.05	.56	7.5	5.3	11	9.7
Phosphorus	.02	.10	.03	.05	.05	.05	.02	.09	.04	.03	.06	.09	.10	.06	.07	.04	.08	.27	.08	.14
Orthophosphate, as P	.02	.09	.03	.05	.05	.01	.02	.07	.04	.04	.04	.07	.10	.06	.08	.04	.10	.26	.08	.13
Carbon, organic, dissolved	.3	.3	.6	.4	1.4	.5	1.0	.4	.5	.4	.3	.7	.4	.7	1.5	.7	.7	.4	.4	.4
Trace elements, USGS SC2703, filtered, in micrograms per liter																				
Aluminum	4	5	4	4	3	3	4	6	3	3	5	6	5	3	5	5	4	3	3	4
Antimony	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	4	1	1	<1	2	1	3	2	1	<1	<1	3	<1	1	240	3	2	2	1	<1
Barium	300	410	260	170	110	330	190	260	200	500	560	250	87	34	86	190	50	460	380	180
Beryllium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	<1	<1	1	--	2	<1	<1	<1	<1	<1	--	<1	--	<1	<1	<1	--	<1	<1	--
Cobalt	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	2	1	<1	10	4	1	<1	<1	<1	1	<1	2	1	2	<1	<1	2	4	1	2
Lead	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Manganese	<1	<1	<1	<1	<1	<1	97	<1	<1	<1	<1	<1	<1	<1	360	<1	<1	<1	<1	<1
Molybdenum	<1	1	3	3	3	3	4	2	2	<1	<1	2	4	5	11	<1	1	<1	<1	<1
Nickel	1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1
Selenium	<1	<1	<1	2	4	<1	3	2	1	<1	<1	<1	<1	20	<1	1	<1	<1	<1	<1
Silver	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, natural	<1	<1	4.4	2.3	6.3	2.1	2.6	1.4	<1	<1	<1	<1	2.2	13	<1	<1	1.8	<1	<1	<1
Zinc	23	12	7	<1	13	<1	4	4	1	<1	7	10	7	1	<1	11	14	39	6	11

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Pesticides, USGS SC2001, filtered, in micrograms per liter																				
2,6-diethylaniline	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Acetochlor	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Alachlor	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Atrazine	<.001	<.001	.10	.02	.06	<.001	<.001	.006	<.001	<.001	<.001	<.001	<.001	.009	<.001	<.001	.06	.09	.18	<.001
Azinphos-methyl	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Benfluralin	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Butylate	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Carbaryl	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Carbofuran	E.004	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Chlorpyrifos	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Cyanazine	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
DCPA	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Deethylatrazine	<.002	<.002	E.11	E.03	E.06	<.002	<.002	E.006	<.002	<.002	<.002	<.002	E.005	E.003	<.002	<.002	E.02	E.06	E.09	<.002
Diazinon	<.002	<.002	<.002	E.003	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Dieldrin	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Disulfoton	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017	<.017
EPTC	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Ethalfluralin	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Ethoprophos	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Fonofos	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Lindane	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Linuron	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Malathion	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005
Metolachlor	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	.01	<.002	.004	<.002
Metribuzin	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Molinate	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Napropamide	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Parathion	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Parathion-methyl	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006
Pebulate	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Pesticides, USGS SC2001, filtered, in micrograms per liter—Continued																				
Pendimethalin	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Phorate	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Prometon	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018	<.018
Propachlor	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007
Propanil	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Propargite	<.08	--	<.013	<.013	<.013	<.013	<.003	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013
Propyzamide	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Simazine	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005
Tebuthiuron	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Terbacil	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007	<.007
Terbufos	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013	<.013
Thiobencarb	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Triallate	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Trifluralin	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
alpha-HCH	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
cis-Permethrin	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005
p,p'-DDE	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006	<.006
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter																				
1,1,1,2-Tetrachloroethane	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044
1,1,1-Trichloroethane	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
1,1,2,2-Tetrachloroethane	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13
1,1,2-Trichloroethane	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064	<.064
1,1,2-Trichloro-trifluoroethane	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
1,1-Dichloroethane	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066	<.066
1,1-Dichloroethylene	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044
1,1-Dichloropropene	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026	<.026
1,2,3,4-Tetramethylbenzene	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23	<.23
1,2,3,5-Tetramethylbenzene	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued																				
1,2,3-Trichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2,3-Trichloropropane	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16	<.16
1,2,3-Trimethylbenzene	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12
1,2,4-Trichlorobenzene	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
1,2,4-Trimethylbenzene	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056
1,2-Dibromo-3-chloropropane	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21
1,2-Dibromoethane	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036
1,2-Dichlorobenzene	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048
1,2-Dichloroethane	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13
1,2-Dichloropropane	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068	<.068
1,3,5-Trimethylbenzene	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044
1,3-Dichlorobenzene	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054
1,3-Dichloropropane	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12
1,4-Dichlorobenzene	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
2,2-Dichloropropane	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078	<.078
2-Butanone	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2-Chlorotoluene	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042
2-Hexanone	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7
3-Chloropropene	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
4-Chlorotoluene	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056	<.056
4-Isopropyl-1-methylbenzene	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11
4-Methyl-2-pentanone	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Acetone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued																				
Bromobenzene	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036
Bromochloromethane	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044	<.044
Bromodichloromethane	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048
Bromoethene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromoform	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromomethane	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15	<.15
Butylbenzene	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
Carbon disulfide	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Chlorobenzene	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028	<.028
Chloroethane	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12
Chloroform	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	.18	<.052	<.052	<.052	.25	<.052	<.052	<.052	<.052	<.052
Chloromethane	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25
Dibromochloromethane	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18
Dibromomethane	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
Dichlorodifluoromethane	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14
Dichloromethane	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38	<.38
Diethyl ether	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17
Diisopropyl ether	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098	<.098
Ethyl methacrylate	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28	<.28
Ethyl tert-butyl ether	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054
Ethylbenzene	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03
Hexachlorobutadiene	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14
Hexachloroethane	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36	<.36
Isopropylbenzene	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
Methyl acrylate	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Methyl acrylonitrile	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57	<.57
Methyl iodide	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21	<.21
Methyl methacrylate	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35	<.35
Naphthalene	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25	<.25
Styrene	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	E.045	<.042	<.042	<.042	<.042

Table 5. Results of physical and chemical analyses of water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Date, time, physical property, or constituent	Map index numbers for domestic water-supply wells (fig. 6)																			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued																				
Tetrachloroethylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloromethane	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088	<.088
Tetrahydrofuran	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Toluene	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
Trichloroethylene	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038
Trichlorofluoromethane	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
Vinyl chloride	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11
cis-1,2-Dichloroethylene	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038
cis-1,3-Dichloropropene	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
m- and p- Xylene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
n-Propylbenzene	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042
o-Ethyl toluene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
o-Xylene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
sec-Butylbenzene	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048	<.048
tert-Butyl methyl ether	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17
tert-Butylbenzene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
tert-Pentyl methyl ether	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11	<.11
trans-1,2-Dichloroethylene	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
trans-1,3-Dichloropropene	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13	<.13
trans-1,4-Dichloro-2-butene	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7
Radionuclides, USGS LC1369, filtered, in picocuries per liter																				
Radon	200	440	260	240	320	280	240	260	230	430	220	340	410	270	590	300	260	240	300	220