

**Table 4.** Water-quality constituents analyzed in water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999

[USGS, U.S. Geological Survey; SC, analytical schedule code; LC, analytical laboratory code; µg/L, microgram per liter; N, nitrogen; P, phosphorus]

Constituent	Analytical method reporting limit	Constituent	Analytical method reporting limit
<b>Dissolved solids and major ions, and selected trace elements, USGS SC2750, filtered, in milligrams per liter (unless noted)</b>			
Dissolved solids	10		
Bromide	.01	Calcium	0.02
Chloride	.10	Fluoride	.10
Iron	10.0 µg/L	Magnesium	.004
Manganese	3.0 µg/L	Potassium	.10
Silica	.05	Sodium	.06
Sulfate	.10		
<b>Nutrients, USGS SC2752, and dissolved organic carbon, USGS SC2085, filtered, in milligrams per liter</b>			
Nitrogen, ammonia, as N	.02	Nitrogen, ammonia plus organic nitrogen, as N	.10
Nitrogen, nitrite, as N	.01	Nitrogen, nitrite plus nitrate, as N	.05
Phosphorus	.004	Orthophosphate, as P	.01
Carbon, organic, dissolved	.10		
<b>Trace elements, USGS SC2703, filtered, in micrograms per liter</b>			
Aluminum	1	Antimony	1
Arsenic	1	Barium	1
Beryllium	1	Cadmium	1
Chromium	1	Cobalt	1
Copper	1	Lead	1
Manganese	1	Molybdenum	1
Nickel	1	Selenium	1
Silver	1	Uranium, natural	1
Zinc	1		
<b>Pesticides, USGS SC2001, filtered, in micrograms per liter</b>			
2,6-diethylaniline	.003	Acetochlor	.002
Alachlor	.002	Atrazine	.001
Azinphos-methyl	.001	Benfluralin	.002
Butylate	.002	Carbaryl	.003
Carbofuran	.003	Chlorpyrifos	.004
Cyanazine	.004	DCPA	.002
Deethylatrazine	.002	Diazinon	.002
Dieldrin	.001	Disulfoton	.017
EPTC	.002	Ethalfuralin	.004
Ethoprophos	.003	Fonofos	.003
Lindane	.004	Linuron	.002
Malathion	.005	Metolachlor	.002
Metribuzin	.004	Molinate	.004

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Constituent	Analytical method reporting limit	Constituent	Analytical method reporting limit
<b>Pesticides, USGS SC2001, filtered, in micrograms per liter—Continued</b>			
Napropamide	0.003	Parathion	0.004
Parathion-methyl	.006	Pebulate	.004
Pendimethalin	.004	Phorate	.002
Prometon	.018	Propachlor	.007
Propanil	.004	Propargite	.013
Propyzamide	.003	Simazine	.005
Tebuthiuron	.010	Terbacil	.007
Terbufos	.013	Thiobencarb	.002
Triallate	.001	Trifluralin	.002
alpha-HCH	.002	cis-Permethrin	.005
p,p'-DDE	.006		
<b>Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter</b>			
1,1,1,2-Tetrachloroethane	.044	1,1,1-Trichloroethane	.032
1,1,2,2-Tetrachloroethane	.13	1,1,2-Trichloroethane	.064
1,1,2-Trichlorotrifluoroethane	.032	1,1-Dichloroethane	.066
1,1-Dichloroethylene	.044	1,1-Dichloropropene	.026
1,2,3,4-Tetramethylbenzene	.23	1,2,3,5-Tetramethylbenzene	.2
1,2,3-Trichlorobenzene	.27	1,2,3-Trichloropropane	.16
1,2,3-Trimethylbenzene	.12	1,2,4-Trichlorobenzene	.19
1,2,4-Trimethylbenzene	.056	1,2-Dibromo-3-chloropropane	.21
1,2-Dibromoethane	.036	1,2-Dichlorobenzene	.048
1,2-Dichloroethane	.13	1,2-Dichloropropane	.068
1,3,5-Trimethylbenzene	.044	1,3-Dichlorobenzene	.054
1,3-Dichloropropane	.12	1,4-Dichlorobenzene	.05
2,2-Dichloropropane	.078	2-Butanone	1.6
2-Chlorotoluene	.042	2-Hexanone	.7
3-Chloropropene	.2	4-Chlorotoluene	.056
4-Isopropyl-1-methylbenzene	.11	4-Methyl-2-pentanone	.37
Acetone	5	Acrylonitrile	1.2
Benzene	.1	Bromobenzene	.036
Bromochloromethane	.044	Bromodichloromethane	.048
Bromoethene	.1	Bromoform	.1
Bromomethane	.15	Butylbenzene	.19
Carbon disulfide	.37	Chlorobenzene	.028
Chloroethane	.12	Chloroform	.052
Chloromethane	.25	Dibromochloromethane	.18
Dibromomethane	.05	Dichlorodifluoromethane	.14

**Table 4.** Water-quality constituents analyzed in water samples from domestic water-supply wells completed in Quaternary deposits, south-central Kansas, 1999—Continued

Constituent	Analytical method reporting limit	Constituent	Analytical method reporting limit
<b>Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued</b>			
Dichloromethane	0.38	Diethyl ether	0.17
Diisopropyl ether	.098	Ethyl methacrylate	.28
Ethyl tert-butyl ether	.054	Ethylbenzene	.03
Hexachlorobutadiene	.14	Hexachloroethane	.36
Isopropylbenzene	.032	Methyl acrylate	1.4
Methyl acrylonitrile	.57	Methyl iodide	.21
Methyl methacrylate	.35	Naphthalene	.25
Styrene	.042	Tetrachloroethylene	.1
Tetrachloromethane	.088	Tetrahydrofuran	9
Toluene	.05	Trichloroethylene	.038
Trichlorofluoromethane	.09	Vinyl chloride	.11
cis-1,2-Dichloroethylene	.038	cis-1,3-Dichloropropene	.09
m- and p- Xylene	.06	n-Propylbenzene	.042
o-Ethyl toluene	.1	o-Xylene	.06
sec-Butylbenzene	.048	tert-Butyl methyl ether	.17
tert-Butylbenzene	.1	tert-Pentyl methyl ether	.11
trans-1,2-Dichloroethylene	.032	trans-1,3-Dichloropropene	.13
trans-1,4-Dichloro-2-butene	.7		
<b>Radionuclides, USGS LC1369, filtered, in picocuries per liter</b>			
Radon	26		