Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000

[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, schedule; µg/L, micrograms per liter; <, less than; N, nitrogen, P, phosphorus; E, estimated; --, not analyzed]

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Date (month/day/year)	5/22/00	5/18/00	5/21/00	5/20/00	5/19/00	5/16/00	5/23/00	5/17/00	5/19/00	6/1/00	6/1/00	5/22/00	5/21/00	5/30/00	6/2/00
Time (24 hour)	1600	1400	1000	1000	900	1400	900	900	1500	1000	1500	1000	1400	1600	1000
Physical properties															
Specific conductance (µS/cm)	739	626	579	587	690	2,590	507	724	744	851	733	839	1,070	788	425
pH (standard units)	7.2	7.0	7.0	6.8	6.6	7.1	6.8	6.4	6.7	6.9	6.6	6.9	6.8	6.9	6.4
Water temperature (°C)	17.0	16.1	17.3	15.8	17.0	14.7	16.3	17.0	16.2	17.4	16.1	16.8	16.2	18.9	17.4
Turbidity (NTU)	.70	.50	2.0	.40	.20	.40	.70	.50	.70	8.8	3.1	.50	.40	2.6	1.0
Dissolved oxygen (mg/L)	5.1	2.9	4.1	.3	5.6	.1	.9	2.7	5.6	3.6	3.8	3.2	2.6	4.2	4.5
Alkalinity, water whole, field (mg/L as $CaCO_3$)	340	250	210	270	210	530	210	170	290	340	180	270	360	240	110
Major ions and trace elements, USGS SC2750, filtered, in milligrams per liter (unless noted)															
Dissolved solids	476	389	355	372	435	1,630	310	438	441	578	492	530	746	491	256
Bicarbonate	420	310	260	330	250	650	260	210	360	420	220	330	430	290	130
Bromide	.10	.15	.12	.24	.23	.47	.17	.31	.15	.38	.42	.28	.46	.31	.16
Calcium	96	62	52	61	78	180	58	58	79	120	86	63	94	71	35
Chloride	29	23	32	17	58	390	23	68	48	41	88	60	110	73	41
Fluoride	.2	.2	.3	.3	.2	.8	.2	.2	.2	.2	.1	.3	.3	.3	.2
Iron (µg/L)	270	<10	<10	3,500	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	120
Magnesium	17	13	12	12	15	50	11	14	16	23	17	11	17	13	7.8
Manganese (µg/L)	88	<1	<1	1,000	<1	320	1	6	61	9	280	8	5	1	44
Potassium	4	2	4	1	2	4	3	3	1	2	3	3	3	3	3
Silica	20	26	23	34	26	16	22	24	23	24	23	22	23	24	27
Sodium	52	59	57	50	42	320	34	62	54	42	47	100	140	86	36
Sulfate	36	32	33	20	54	310	19	53	27	70	54	50	110	49	20

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Date (month/day/year)	6/2/00	5/31/00	5/31/00	5/15/00	5/17/00	5/18/00	5/23/00	6/5/00	6/6/00	5/24/00	6/6/00	6/8/00	6/7/00	6/7/00	5/24/00
Time (24 hour)	1400	1500	1000	1300	1400	1000	1500	1400	1100	1500	1500	1000	1000	1400	1000
Physical properties															
Specific conductance (µS/cm)	352	712	693	855	1,020	1,040	696	401	1,200	1,110	801	973	1,390	1,380	921
pH (standard units)	6.3	7.2	7.1	6.8	7.0	7.2	7.2	7.4	7.1	7.2	7.0	7.3	7.0	6.8	6.9
Water temperature (°C)	16.9	15.8	16.1	14.7	17.1	16.0	16.1	15.3	16.4	14.7	17.6	15.8	14.7	18.4	14.9
Turbidity (NTU)	.70	3.4	1.9	.50	1.3	1.0	1.9	2.6	.30	.60	.50	2.3	.30	1.6	1.6
Dissolved oxygen (mg/L)	6.1	.2	.5	2.8	1.7	<.1	<.1	5.5	<.1	.1	.2	.2	.1	.1	6.8
Alkalinity, water whole, field (mg/L as $CaCO_3$)	68	250	220	230	320	290	300	190	350	380	290	260	420	570	210
Major ions and trace elements, USGS SC2750, filtered, in milligrams per liter (unless noted)															
Dissolved solids	229	470	434	515	616	624	454	242	836	772	541	670	1,080	1,020	618
Bicarbonate	83	300	270	280	390	350	360	240	420	460	360	320	520	700	250
Bromide	.13	.08	.11	.12	.11	.11	.06	.09	.23	.12	.33	.19	.15	.25	.09
Calcium	33	94	78	96	110	90	89	68	140	130	100	87	160	160	100
Chloride	21	52	43	82	110	120	44	11	180	120	100	140	160	160	100
Fluoride	.1	.6	.5	.5	.6	.4	.7	.2	.6	1.1	.8	1.1	.9	.5	.4
Iron (µg/L)	<10	20	<10	<10	30	40	1,300	<10	3,700	1,500	210	2,500	630	10	<10
Magnesium	7.1	14	12	15	15	11	15	3.4	19	19	16	13	26	24	16
Manganese (µg/L)	18	6	2	<1	26	34	430	42	580	310	680	330	450	300	<1
Potassium	3	3	4	2	2	3	3	2	3	4	2	3	13	5	3
Silica	27	15	15	16	16	11	17	14	16	11	17	14	11	19	18
Sodium	23	52	56	50	81	120	47	14	110	110	60	130	160	160	75
Sulfate	26	75	56	57	59	83	45	5.6	120	130	41	110	240	110	110

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Nutrients, USGS SC2752, and dissolved organic carbon, USGS SC2085, filtered, in milligrams per liter															
Nitrogen, ammonia, as N	0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.02	<0.02	<0.02
Nitrogen, ammonia plus organic nitrogen, as N	<.10	<.10	<.10	<.10	<.10	.41	<.10	.10	<.10	<.10	<.10	<.10	.12	<.10	<.10
Nitrogen, nitrite, as N	<.01	<.01	<.01	<.01	<.01	.06	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Nitrogen, nitrite plus nitrate, as N	1.1	4.8	1.9	1.4	1.8	4.5	2.0	8.6	5.2	7.7	8.1	10	6.0	5.4	4.3
Phosphorus	.30	.17	.22	.01	.16	.16	.23	.14	.14	.13	.13	.19	.18	.22	.12
Orthophosphate, as P	.32	.16	.21	.02	.15	.15	.21	.13	.13	.12	.15	.17	.16	.20	.11
Carbon, organic, dissolved	49	1.4	.9	2.8	.9	4.9	2.1	1.4	.8	1.3	14	1.1	1.8	3.4	8.7
Trace elements, USGS SC2703, filtered, in micrograms per liter															
Aluminum	9	10	14	10	9	22	9	15	11	8	6	10	13	12	6
Antimony	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	2	.9	<.9	13	1	<2	1	<.9	.9	1	<.9	<.9	<.9	<.9	<.9
Barium	200	170	170	240	170	150	110	150	160	350	210	190	260	180	130
Beryllium	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	<.8	<.8	.8	<.8	<.8	<.8	<.8	<.8	<.8	1	<.8	<.8	<.8	<.8	<.8
Cobalt	4	<1	<1	10	<1	<2	<1	<1	<1	<1	2	<1	<1	<1	<1
Copper	<1	<1	<1	<1	<1	3	<1	<1	<1	1	<1	2	1	<1	<1
Lead	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Manganese	88	<1	<1	1,000	<1	320	1	6	61	9	280	8	5	1	44
Molybdenum	3	<1	2	2	<1	6	1	<1	<1	1	<1	1	1	2	<1
Nickel	3	2	1	4	2	5	1	3	1	5	5	2	2	2	1
Selenium	5	3	2	.9	2	10	.7	2	<.7	3	5	2	3	4	<.7
Silver	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, natural	31	2.3	1.5	1.4	<1	76	<1	<1	2.5	17	1.1	1.7	4.4	1.3	<1
Zinc	2	3	2	2	3	9	3	6	3	3	3	4	3	3	2

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Nutrients, USGS SC2752, and dissolved organic carbon, USGS SC2085, filtered, in milligrams per liter															
Nitrogen, ammonia, as N	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.18	<0.02	0.08	0.03	0.08	0.13	0.03	<0.02	<0.02
Nitrogen, ammonia plus organic nitrogen, as N	<.10	<.10	<.10	<.10	<.10	<.10	.30	<.10	.15	.24	.18	.28	.26	.14	.17
Nitrogen, nitrite, as N	<.01	<.01	.01	<.01	<.01	<.01	<.01	<.01	<.01	.01	.06	<.01	.03	<.01	<.01
Nitrogen, nitrite plus nitrate, as N	9.6	.82	5.6	8.5	.45	.28	<.05	.81	<.05	.40	.21	<.05	2.3	.29	10
Phosphorus	.07	.01	.03	.03	.03	.02	<.006	.01	<.006	<.006	.02	.05	<.006	.03	.05
Orthophosphate, as P	.07	.01	.02	.02	.03	.02	.02	.03	.02	.02	.03	.01	<.01	.02	.04
Carbon, organic, dissolved	100	3.8	1.5	.7	6.5	1.5	2.9	13	3.0	3.0	7.1	8.1	13	8.2	1.7
Trace elements, USGS SC2703, filtered, in micrograms per liter															
Aluminum	7	13	10	10	13	8	18	15	11	8	8	17	<1	<1	12
Antimony	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	<.9	<.9	<.9	<.9	<.9	<.9	4	<.9	3	2	2	4	2	<.9	<.9
Barium	150	200	200	230	230	150	120	280	240	130	230	76	72	160	240
Beryllium	<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
Chromium	<.8	<.8	<.8	<.8	<.8	<.8	<.8	--	--	<.8	<.8	<.8	<.8	<.8	<.8
Cobalt	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	2	2	<1
Copper	<1	<1	<1	1	<1	1	<1	<1	1	1	1	<1	2	2	1
Lead	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Manganese	18	6	2	<1	26	34	430	42	580	310	680	330	450	300	<1
Molybdenum	<1	3	2	2	2	2	6	2	3	5	4	12	6	2	2
Nickel	1	8	2	3	3	2	2	3	5	3	5	1	11	10	3
Selenium	<.7	2	11	2	6	2	<.7	.8	<.7	<.7	<.7	<.7	6	3	3
Silver	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, natural	<1	12	3	3	22	50	2	2	2	45	2	2	28	24	3
Zinc	3	3	3	4	4	2	5	3	2	2	4	4	1	1	<1

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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
Acetochlor	<.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
Atrazine	<.001	.02	.008	.006	.008	.005	.14	.05	.05	.02	.01	.007	.04	.08	.02
Azinphos-methyl	<.001	<.001	<.01	<.01	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.01	<.001	<.001
Benfluralin	<.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
Carbaryl	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Carbofuran	<.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
Cyanazine	<.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
Deethylatrazine	<.002	E.01	E.009	E.006	E.01	E.002	E.05	E.05	E.03	E.01	E.01	E.007	E.03	E.05	E.01
Diazinon	<.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	.01	<.001	<.001
Disulfoton	<.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
Ethalfluralin	<.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
Fonofos	<.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
Linuron	<.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
Metolachlor	<.002	<.002	<.004	<.002	<.002	.005	.007	.008	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Metribuzin	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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
Acetochlor	<.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
Atrazine	.005	<.001	.14	.006	.007	.01	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Azinphos-methyl	<.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
Butylate	<.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
Carbofuran	<.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
Cyanazine	<.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
Deethylatrazine	E.08	<.002	E.05	E.02	<.002	<.002	<.002	E.003	<.002	<.002	<.002	<.002	<.002	<.002	E.006
Diazinon	<.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
Disulfoton	<.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
Ethalfluralin	<.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
Fonofos	<.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
Linuron	<.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
Metolachlor	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002	<.002
Metribuzin	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Pesticides, USGS SC2001, filtered, in micrograms per liter—Continued															
Molinate	<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
Napropamide	<.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
Parathion-methyl	<.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
Pendimethalin	<.004	<.004	<.005	<.004	<.004	<.004	<.004	<.004	<.004	.006	<.004	<.004	<.004	<.004	<.004
Phorate	<.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
Propachlor	<.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
Propargite	<.013	<.013	<.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
Simazine	<.005	.006	.06	<.005	<.005	<.005	.07	.04	.04	<.005	<.005	<.005	.02	.03	.01
Tebuthiuron	<.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
Terbufos	<.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
Triallate	<.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
alpha-HCH	<.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
p,p'-DDE	<.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	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03
1,1,1-Trichloroethane	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	E.06	E.05	<.032
1,1,2,2-Tetrachloroethane	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
1,1,2-Trichloroethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
1,1,2-Trichlorotrifluoroethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Pesticides, USGS SC2001, filtered, in micrograms per liter—Continued															
Molinate	<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
Napropamide	<.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
Parathion-methyl	<.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
Pendimethalin	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004	<.004
Phorate	<.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	.06
Propachlor	<.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
Propargite	<.013	<.013	<.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
Simazine	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	.01
Tebuthiuron	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	.05	<.01	<.01	<.01	<.01	<.01	<.01
Terbacil	<.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
Thiobencarb	<.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
Trifluralin	<.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
cis-Permethrin	<.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
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter															
1,1,1,2-Tetrachloroethane	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03	<.03
1,1,1-Trichloroethane	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
1,1,2,2-Tetrachloroethane	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
1,1,2-Trichloroethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
1,1,2-Trichlorotrifluoroethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
1,1-Dichloroethane	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
1,1-Dichloroethylene	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04
1,1-Dichloropropene	<.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
1,2,3,5-Tetramethylbenzene	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
1,2,3-Trichlorobenzene	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27
1,2,3-Trichloropropane	<.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
1,2,4-Trichlorobenzene	<.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
1,2-Dibromo-3-chloropropane	<.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
1,2-Dichlorobenzene	<.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
1,2-Dichloropropane	<.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
1,3-Dichlorobenzene	<.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
1,4-Dichlorobenzene	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
2,2-Dichloropropane	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
2-Butanone	<950	<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
2-Hexanone	<.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
4-Chlorotoluene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
1,1-Dichloroethane	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
1,1-Dichloroethylene	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04	<.04
1,1-Dichloropropene	<.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
1,2,3,5-Tetramethylbenzene	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
1,2,3-Trichlorobenzene	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27
1,2,3-Trichloropropane	<.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
1,2,4-Trichlorobenzene	<.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
1,2-Dibromo-3-chloropropane	<.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
1,2-Dichlorobenzene	<.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
1,2-Dichloropropane	<.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
1,3-Dichlorobenzene	<.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
1,4-Dichlorobenzene	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
2,2-Dichloropropane	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
2-Butanone	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<250	<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
2-Hexanone	<.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
4-Chlorotoluene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
4-Isopropyl-1-methylbenzene	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
4-Methyl-2-pentanone	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Acetone	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
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
Benzene	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035
Bromobenzene	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036
Bromochloromethane	<.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	E.06	.12	<.048
Bromoethene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromoform	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
Bromomethane	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26
Butylbenzene	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
Carbon disulfide	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07
Chlorobenzene	<.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
Chloroform	.33	<.052	<.052	<.052	E.07	<.052	<.052	.17	<.052	<.052	E.07	.16	1.7	.28	<.052
Chloromethane	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Dibromochloromethane	<.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
Dichlorodifluoromethane	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27
Dichloromethane	<.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
Diisopropyl ether	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Ethyl methacrylate	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18
Ethyl tert-butyl ether	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
4-Isopropyl-1-methylbenzene	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
4-Methyl-2-pentanone	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Acetone	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
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
Benzene	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035	<.035
Bromobenzene	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036	<.036
Bromochloromethane	<.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
Bromoethene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromoform	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
Bromomethane	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26	<.26
Butylbenzene	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
Carbon disulfide	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07	<.07
Chlorobenzene	<.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
Chloroform	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052	<.052
Chloromethane	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Dibromochloromethane	<.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
Dichlorodifluoromethane	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27	<.27
Dichloromethane	<.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
Diisopropyl ether	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Ethyl methacrylate	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18	<.18
Ethyl tert-butyl ether	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054	<.054

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
Ethylbenzene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Hexachlorobutadiene	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14
Hexachloroethane	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
Isopropylbenzene	<.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
Methyl acrylonitrile	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6
Methyl iodide	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12
Methyl methacrylate	<.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
Styrene	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042
Tetrachloroethylene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	9.0	<.1	.21	<.1	<.1	<.1
Tetrachloromethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
Tetrahydrofuran	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Toluene	<.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
Trichlorofluoromethane	<.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
cis-1,2-Dichloroethylene	<.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
m- and p- Xylene	<.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
o-Ethyl toluene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
o-Xylene	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038
sec-Butylbenzene	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
tert-Butyl methyl ether (MTBE)	<.17	<.17	<.17	<.17	<.17	<.17	.26	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
Ethylbenzene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Hexachlorobutadiene	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14	<.14
Hexachloroethane	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
Isopropylbenzene	<.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
Methyl acrylonitrile	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6
Methyl iodide	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12	<.12
Methyl methacrylate	<.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
Styrene	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042	<.042
Tetrachloroethylene	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	.15	<.1	<.1	<.1	<.1	.13	<.1
Tetrachloromethane	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
Tetrahydrofuran	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Toluene	<.05	<.05	.15	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
Trichloroethylene	<.038	<.038	<.038	<.038	<.038	<.038	E.06	<.038	.26	<.038	<.038	<.038	<.038	<.038	<.038
Trichlorofluoromethane	<.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
cis-1,2-Dichloroethylene	<.038	<.038	<.038	<.038	<.038	<.038	E.07	<.038	E.08	<.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
m- and p- Xylene	<.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
o-Ethyl toluene	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06	<.06
o-Xylene	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038	<.038
sec-Butylbenzene	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032	<.032
tert-Butyl methyl ether (MTBE)	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	<.17	.47	<.17

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
tert-Butylbenzene	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
tert-Pentyl methyl ether	<.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
trans-1,3-Dichloropropene	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
trans-1,4-Dichloro-2-butene	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7

Table 14. Results of physical and chemical analyses of shallow ground-water samples from monitoring wells in areas of recent residential and commercial development, Wichita, Kansas, 2000—Continued

Date, time, physical property, or constituent	Index numbers for monitoring wells (fig. 1)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Volatile organic compounds, USGS SC2020, unfiltered, in micrograms per liter—Continued															
tert-Butylbenzene	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<00.06	<0.06	<0.06	<0.06	<0.06
tert-Pentyl methyl ether	<.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
trans-1,3-Dichloropropene	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09	<.09
trans-1,4-Dichloro-2-butene	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7	<.7