HYDROLOGIC AND CHEMICAL DATA FROM SELECTED WELLS AND SPRINGS IN SOUTHERN ELMORE COUNTY, INCLUDING MOUNTAIN HOME AIR FORCE BASE, SOUTHWESTERN IDAHO, FALL 1989

By D.J. Parliman and H.W. Young

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CONTENTS

ILLUSTRATIONS

TABLES

CONVERSION FACTORS

For the convenience of readers who may prefer to use metric (International System) units rather than the inch-pound units used in this report, values may be converted by using the factors listed below. Chemical data are given in mg/L (milligrams per liter) or µg/L (micrograms per liter), which are, within the range of values presented, numerically equal to parts per million or parts per billion, respectively. Specific conductance is expressed as µS/cm (microsiemens per centimeter) at 25 degrees Celsius.

Multiply inch-pound unit	By	To obtain metric unit
acre	4,047	square meter
foot (ft)	0.3048	meter
inch (in.)	25.4	millimeter
mile (mi)	1.609	kilometer

Temperatures in °C (degrees Celsius) can be converted to °F (degrees Fahrenheit) as follows:

$$°F = (1.8)(°C) + 32$$

All water temperatures are reported to the nearest 0.5 °C.

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada and formerly called "Sea Level Datum of 1929."

WELL- AND SPRING-NUMBERING SYSTEM

The well- and spring-numbering system used by the U.S. Geological Survey in Idaho indicates the location of wells and springs within the official rectangular subdivision of public lands, with reference to the Boise base line and Meridian. The first two segments of the number designate the township (north or south) and range (east or west). The third segment gives the section number; four letters, which indicate the $^{1}/_{4}$ section (160-acre tract), $^{1}/_{4}$-$^{1}/_{4}$ section (40-acre tract), $^{1}/_{4}$-$^{1}/_{4}$-$^{1}/_{4}$ section (10-acre tract), and $^{1}/_{4}$-$^{1}/_{4}$-$^{1}/_{4}$-$^{1}/_{4}$ section (2 $^{1}/_{2}$ -acre tract); and serial number of the well within the tract.

Quarter sections are designated by the letters A, B, C, and D in counterclockwise order from the northeast quarter of each section (fig. 1). Forty-acre, 10-acre, and 2 $^{1}/_{2}$ -acre tracts within each quarter section are lettered in the same manner. Well 3S-6E-27CDD1, for example, is in the SE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec. 27, T. 3 S., R. 6 E., and is the first well inventoried in that tract. Springs are designated by the letter "S" following the last numeral; for example, 5S-4E-11DCB1S.

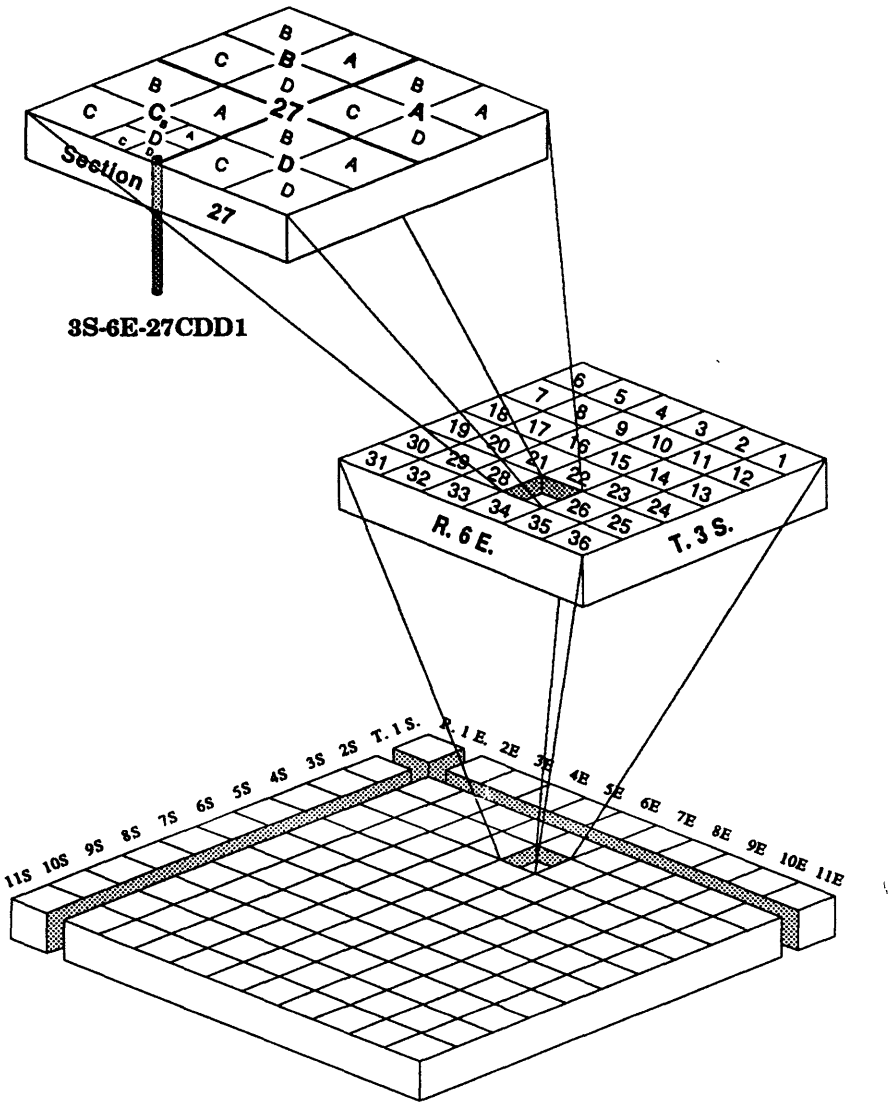

Figure 1.--Well- and spring-numbering system.

HYDROLOGIC AND CHEMICAL DATA FROM SELECTED WELLS AND SPRINGS IN SOUTHERN ELMORE COUNTY, INCLUDING MOUNTAIN HOME AIR FORCE BASE, SOUTHWESTERN IDAHO, FALL 1989

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ABSTRACT

Hydrologic and chemical data were collected during September through November 1989 from 90 wells and 6 springs in southern Elmore County, southwestern Idaho. These data were collected to characterize the chemical quality of water in major water-yielding zones in areas near Mountain Home and the Mountain Home Air Force Base. The data include well and spring locations, well-construction and water-level information, and chemical analyses of water from each well and spring inventoried.

Ground water in the study area is generally suitable for most uses. In localized areas, water is highly mineralized, and pH, concentrations of dissolved sulfate, chloride, or nitrite plus nitrate as nitrogen exceed national public drinking-water limits. Fecal coliform and fecal streptococci bacteria were detected in separate water samples. One or more volatile organic compounds were detected in water samples from 15 wells, and the concentration of benzene exceeded the national public drinking-water limit in a water sample from one well.

INTRODUCTION

During September through November 1989, 90 wells and 6 springs in southern Elmore County, including 7 wells on the Mountain Home Air Force Base, were inventoried (fig. 2). Onsite determinations were made of depth to water (where possible), water temperature, specific conductance, pH, and concentrations of total alkalinity, dissolved chloride, and dissolved nitrite plus nitrate as nitrogen. In addition, water samples from 17 of the 90 wells were cultured for fecal coliform and fecal streptococci bacteria analyses.

When onsite nitrite plus nitrate as nitrogen concentrations exceeded about 4 mg/L, water samples were collected for analyses of nitrite plus nitrate as nitrogen, Kjeldahl (ammonia plus organic) nitrogen, and ammonia as nitrogen. These analyses were made at the U.S. Geological Survey National Water-Quality Laboratory in Arvada, Colo.

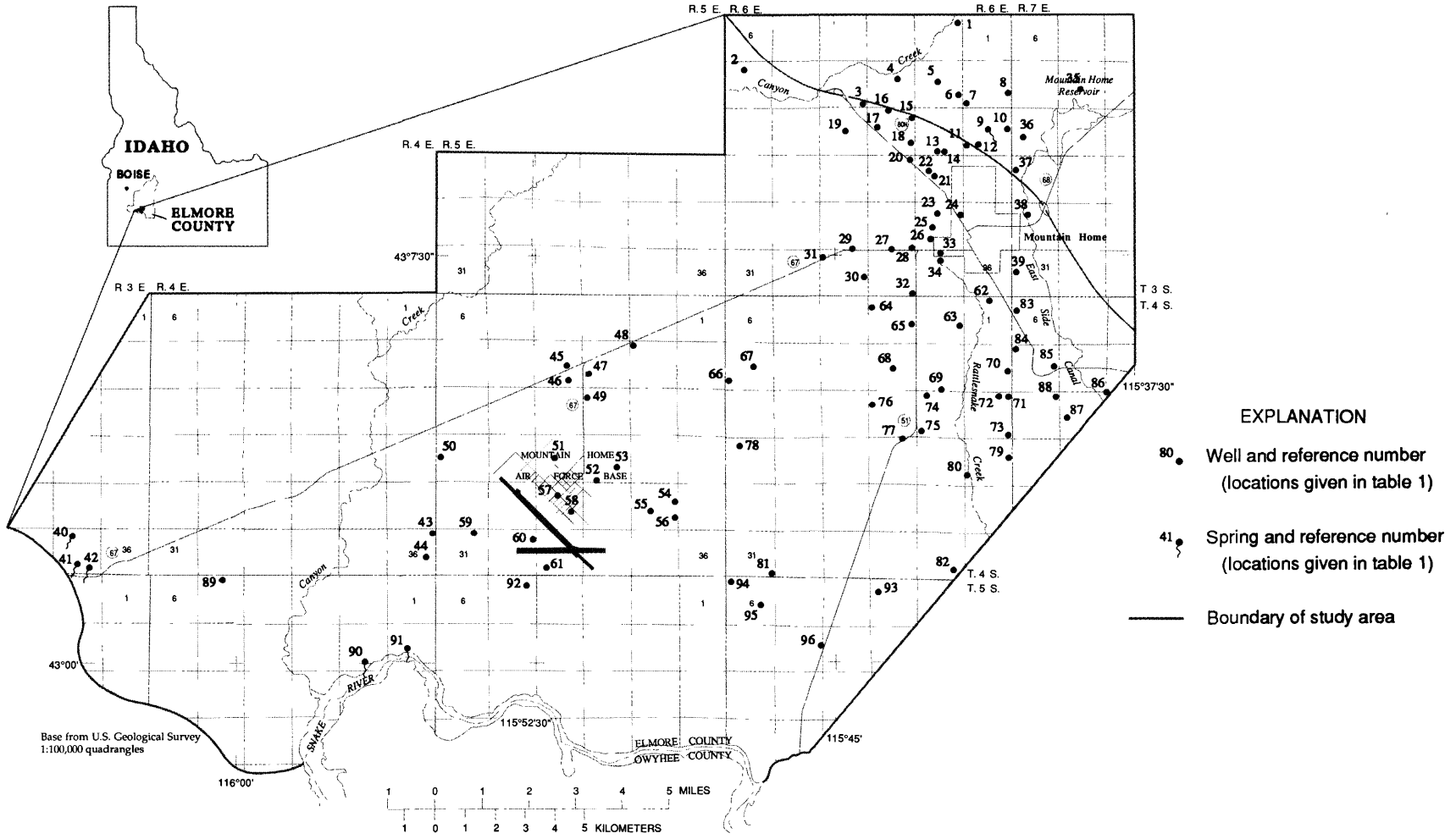

Figure 2.--Locations of inventoried wells and springs.

Water samples were collected at 88 wells and 5 springs for volatile organics analyses. One or more volatile organic compounds were detected in water samples from 15 wells, so a second set of water samples was collected from 7 of the 15 wells to verify the initial analyses.

These data were collected to characterize the chemical quality of water in major water-yielding zones in areas near Mountain Home and the Mountain Home Air Force Base. This work was done by the U.S. Geological Survey in cooperation with the Department of the Air Force.

Hydrologic and Chemical Data

Selected well-construction and water-use data for inventoried wells and springs are shown in table 1 (tables in back of report). Results of onsite and laboratory analyses of nitrogen compounds in water samples are compiled in table 2, and a statistical summary of these data is shown in table 3. Concentrations of nitrite plus nitrate as nitrogen at well and spring sample sites are presented in figure 3; laboratory values are shown where available. Results of laboratory analyses made during 1974-89 for major ions and selected dissolved trace metals in water from 17 wells and springs inventoried during this study are shown in table 4.

Ground water in the study area is generally suitable for most uses. In localized areas, water is highly mineralized, and pH, concentrations of dissolved sulfate, chloride, or nitrite plus nitrate as nitrogen exceed national public drinking-water limits (tables 3 and 4). In 1989, specific conductance ranged from 92 to 2,070 µS/cm and pH ranged from 6.3 to 8.7. Concentrations of dissolved sulfate ranged from 45 to 650 mg/L; chloride, from 3 to 278 mg/L; and nitrite plus nitrate as nitrogen, from 0.5 to 13 mg/L (onsite and laboratory values). A single colony of fecal coliform bacteria was cultured from one water sample, and 9 colonies of fecal streptococci bacteria were cultured from another water sample.

Laboratory analyses of 42 selected volatile organic compounds (table 5) were conducted according to EPA (U.S. Environmental Protection Agency) method 524.2. In addition, EPA method 504 was used to analyze for total 1,2-dibromoethane (ethylene dibromide, or EDB) and 1,2-dibromo-3-chloropropane (dibromochloropropane, or DBCP). The method 524.2 detection limit for EDB was 0.2 µg/L; the method 504 detection limit was 0.04 µg/L. The detection limit for DBCP was 0.03 µg/L. Sites where volatile organic compounds were detected are shown in figure 4, and national public drinking-water limits for detected compounds are listed in table 6. The concentration of benzene exceeded the national public drinking-water limit of 5 µg/L in a water sample from one well.

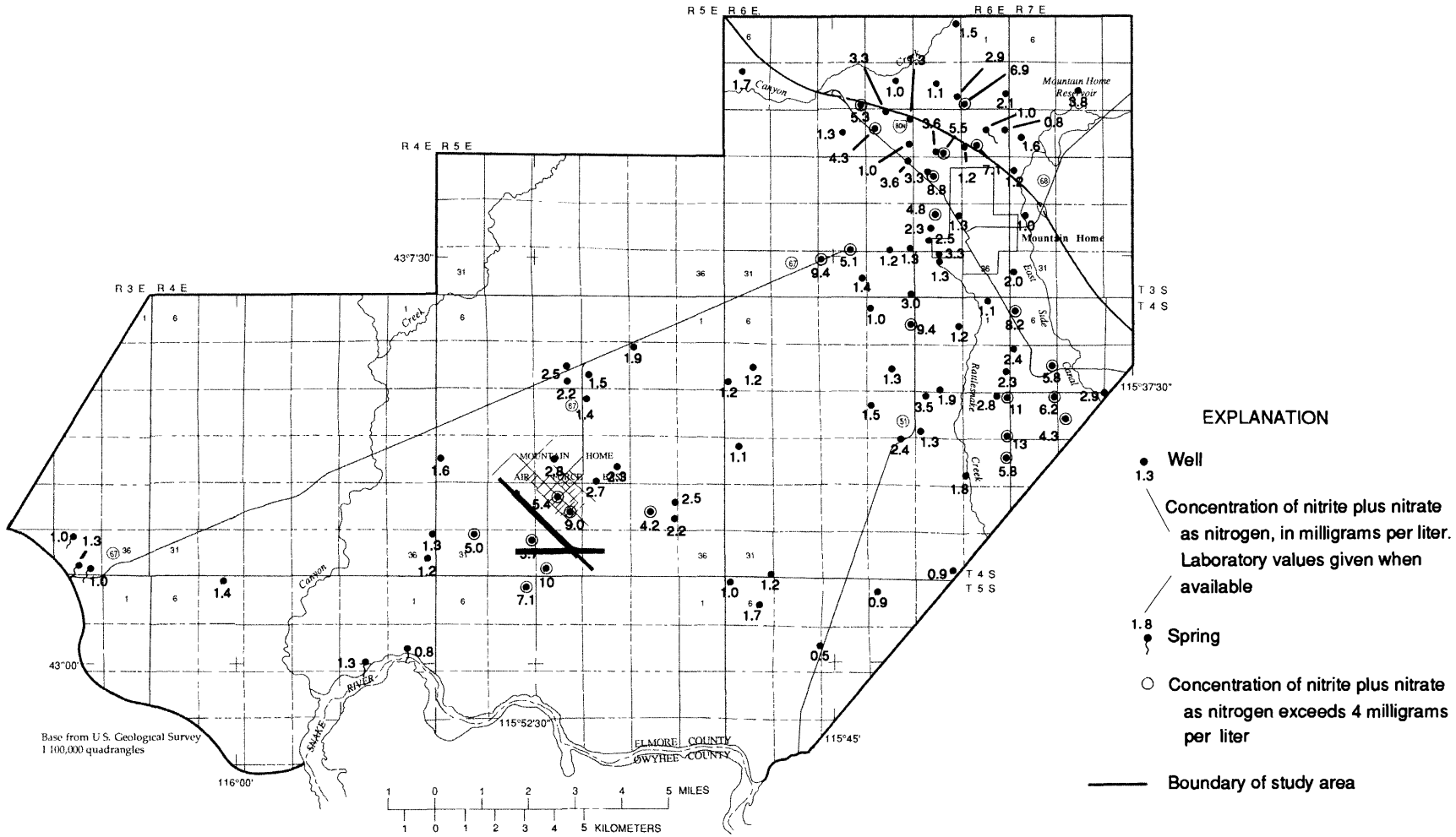

Figure 3.--Concentrations of dissolved nitrite plus nitrate as nitrogen.

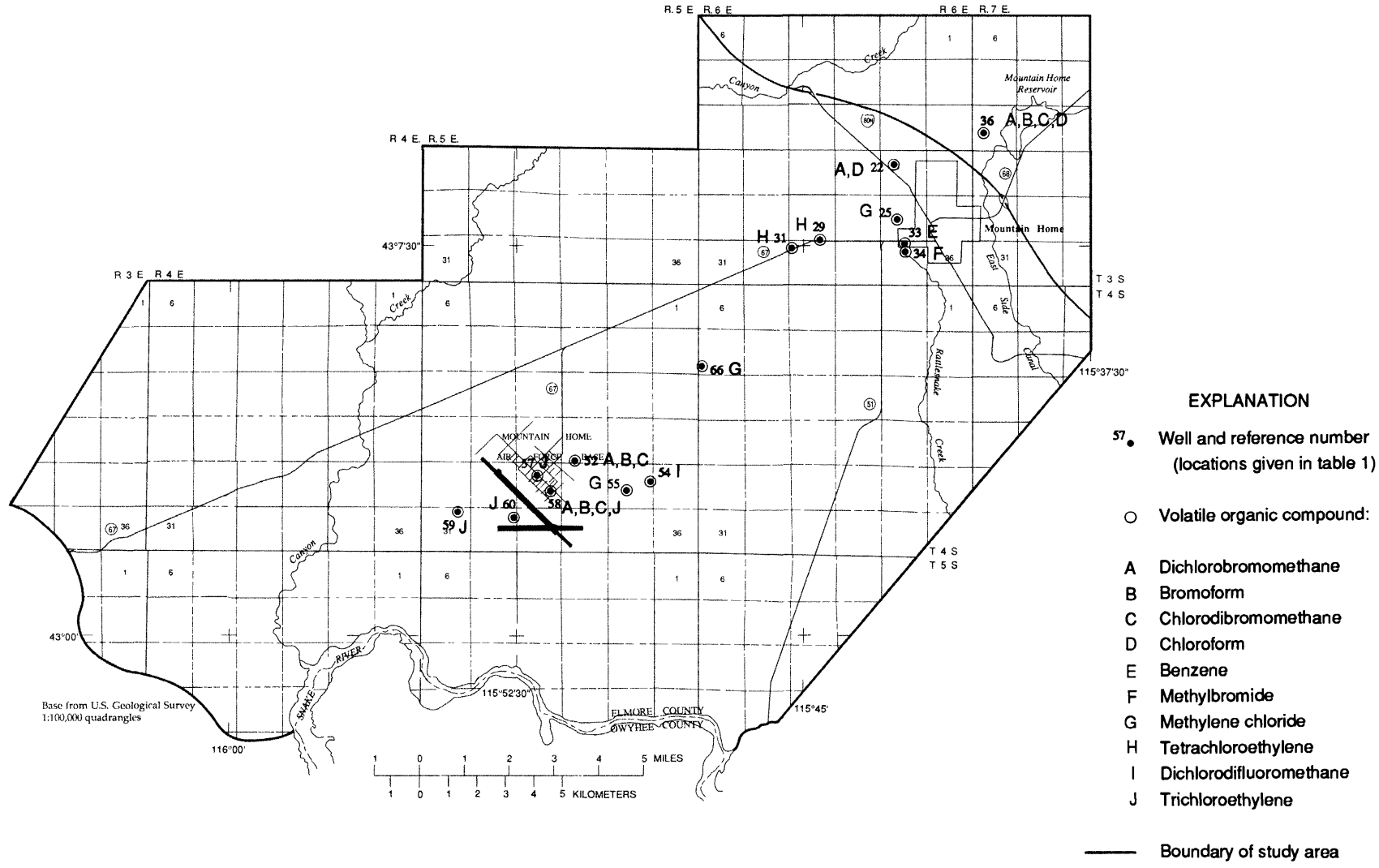

Figure 4.--Volatile organic compounds detected.

Sampling Methodology and Quality Assurance, Sample Custody, and Documentation Procedures

Methods used for well-inventory data collection, onsite water-quality determinations, and collection and preservation of water samples for inorganic compound analyses are described in publications by the U.S. Geological Survey (1977); the Hach Company (1988); and Pritt and Jones (1990). Methods and quality assurance procedures used for collection and preservation of water samples for volatile organic compound analyses were established by Bruce Woods (EPA, oral commun., 1989). Procedures followed for sample custody and documentation were provided by Roy R. Jones (EPA, written commun., 1989). The U.S. Geological Survey National Water-Quality Laboratory is certified by the EPA, Region VIII, for all Safe Drinking Water Act analyses (M.J. Fishman, U.S. Geological Survey, written commun., 1989).

Acknowledgments

The authors are grateful to the many landowners in the study area who allowed access to their property, supplied information, and permitted measurements to be made in their wells and springs. Special thanks are given to M.P. Schroeder, B.F. Connor, M.C. Koval, and M.W. Sandstrom, U.S. Geological Survey Laboratory, for technical expertise and for volatile organics analyses.

REFERENCES CITED

Hach Company, 1988, DR/2000 spectrophotometer procedures manual: Loveland, Colo., 395 p.

Pritt, Jeffrey, and Jones, B.E., eds., 1990, National Water-Quality Laboratory services catalogue: U.S. Geological Survey Open-File Report 89-386, 5 parts.

U.S. Environmental Protection Agency, 1988a, Maximum contaminant levels (Subpart B of Part 141, National interim primary drinking-water regulations): U.S. Code of Federal Regulations, Title 40, Parts 100-149, revised as of July 1, 1988, p. 530-533.

----- 1988b, Secondary maximum contaminant levels (Section 143.3 of Part 143, National secondary drinking-water regulations): U.S. Code of Federal Regulations, Title 40, Parts 100-149, revised as of July 1, 1988, p. 608.

U.S. Geological Survey, 1977, National handbook of recommended methods for water data acquisition: Reston, Va., Office of Water Data Coordination, Chapter 2 (updated 1980) and Chapter 5 (updated 1982).

Table 1.--*Records of wells and springs*

[Well finish: F, perforated, gravel packed; O, open end; P, perforated or slotted; X, open hole. Primary use of water: H, domestic; I, irrigation; P, public; S, stock; C, commercial. Notations: --, no data]

Reference number	Well or spring location	Altitude of land surface (feet above sea level)	Depth of well (feet below land surface)	Diameter of casing (inches)	Top of open interval (feet below land surface)	Well finish	Date well construction completed	Primary use of water
1	3S-6E- 2AAD1	3,295	200.0	6.62	39.0	X	6-22-76	H
2	7BAD1	3,305	245.0	--	--	--	--	H
3	9DDD1	3,194	200.0	7.00	140.0	P	--	H
				10.00	--	--		
4	10ACD1	3,225	--	--	--	--	--	P
5	11DBB1	3,240	--	--	--	--	--	H
6	11DDA2	3,250	228.0	--	--	--	1987	H
7	12CCC1	3,250	180.0	--	--	--	--	H
8	12DAD1	3,258	178.0	--	--	--	--	H
9	13ACC1S	3,225	--	--	--	--	1910	S
10	13ADD1	3,260	97.0	--	--	--	1959	H
11	13CCB1	3,203	245.0	--	--	--	1985	P
12	13CDBA1	3,200	350.0	--	--	--	--	H
13	14CDDD1	3,184	150.0	--	--	--	1- 1-60	H
14	14CDDD2	3,183	37.0	--	--	--	--	I
15	15AAD1	3,210	523.0	--	--	--	1987	H
16	15BAA1	3,210	165.0	--	--	--	--	H
17	15BCD2	3,195	550.0	--	--	--	--	H
18	15DDA1	3,190	300.0	6.00	85.0	X	5-18-76	H
				8.00	--	--		

Table 1.--*Records of wells and springs*--Continued

Reference number	Well or spring location	Altitude of land surface (feet above sea level)	Depth of well (feet below land surface)	Diameter of casing (inches)	Top of open interval (feet below land surface)	Well finish	Date well construction completed	Primary use of water
19	3S-6E-16DBB1	3,235	520.0	--	--	--	1986	C
20	22AAA1	3,185	180.0	--	--	--	--	H
21	23BDD2	3,173	525.0	--	--	--	5- -88	H
22	23BDDB1	3,173	40.0	--	--	--	--	H
23	26ABC1	3,140	37.0	--	--	--	1913	H
24	26ADA2	3,155	917.0	--	--	--	1956	P
25	26BDD1	3,143	--	--	--	--	--	H
26	26CAC1	3,141	19.5	--	--	--	--	H
27	27CDD1	3,156	500.0	10.00	12.0	X	1-27-71	H
28	27DDD1	3,148	815.0	--	--	--	12-20-77	P
29	28DDC1	3,155	525.0	--	--	--	--	P
30	33ADDC1	3,140	500.0	--	--	--	1983	H
31	33BBC1	3,165	489.0	--	--	--	--	H
32	34DDD1	3,135	350.0	8.00	18.5	X	7- 1-72	P
33	35ABB1	3,135	14.5	12.00	--	O	1- 1-62	P
34	35ACB1	3,132	800.0	--	--	--	1988	P
35	3S-7E- 8DBB1	3,313	225.0	6.00	--	X	6- 1-73	H
36	18CAB1	3,270	250.0	6.00	20.0	X	7- 9-74	H
37	19BBC1	3,230	261.0	8.00	19.0	X	5- 3-72	H
38	30BACD1	3,160	310.0	--	--	--	1954	P
39	31CBB1	3,124	65.0	--	--	--	--	H
40	4S-3E-35BAD1S	2,605	--	--	--	--	--	S

Table 1.--*Records of wells and springs*--Continued

Reference number	Well or spring location	Altitude of land surface (feet above sea level)	Depth of well (feet below land surface)	Diameter of casing (inches)	Top of open interval (feet below land surface)	Well finish	Date well construction completed	Primary use of water
41	4S-3E-35CAD1S	2,605	--	--	--	--	--	S
42	35DCA1S	2,640	--	--	--	--	--	H
43	4S-4E-36AAA1	2,980	--	--	--	--	--	I
44	36DAB1	2,980	--	--	--	--	--	I
45	4S-5E- 9DBA1	3,050	530.0	--	--	--	1984	H
46	9DCA1	3,045	580.0	--	--	--	--	P
47	10CBD1	3,073	500.0	--	--	--	--	H
48	11BBB1	3,088	530.0	--	--	--	1988	C
49	15BBC1	3,058	500.0	6.00	20.0	X	7- 2-75	H
50	19BCC1	3,005	400.0	--	--	--	1982	H
51	21CAA1	2,995	588.0	8.00	299.0	P	10-14-53	P
				--	379.0	--		
				--	425.0	--		
52	22CDC1	3,001	505.0	16.00	340.0	P	9-30-82	I
				20.00	480.0	--		
53	22DAC1	3,019	610.0	18.00	425.0	F	1- 1-62	P
				10.00	--	--		
54	26ADD1	3,042	--	--	--	--	--	H
55	26CAA1	3,040	480.0	--	--	--	--	H
56	26DAD1	3,035	--	--	--	--	--	I
57	28BAD1	2,992	379.0	18.00	323.5	P	10-18-55	P
58	28DAB1	2,992	604.0	16.00	337.0	P	9-17-74	P
				--	400.0	--		

Table 1.--*Records of wells and springs*--Continued

Reference number	Well or spring location	Altitude of land surface (feet above sea level)	Depth of well (feet below land surface)	Diameter of casing (inches)	Top of open interval (feet below land surface)	Well finish	Date well construction completed	Primary use of water
59	4S-5E-31ABA1	2,985	--	--	--	--	--	I
60	33BBC1	3,000	480.0	--	--	--	1988	P
61	33CDB1	2,996	422.0	6.00	38.0	X	1- 1-53	P
62	4S-6E- 1BAA1	3,115	--	--	--	--	--	H
63	2DAA1	3,112	420.0	8.00	27.0	X	9-17-73	H
64	3BBC1	3,143	500.0	--	--	--	1979	H
65	3DAA1	3,118	550.0	--	--	--	--	H
66	7CCB1	3,125	580.0	--	--	--	11- -79	H
67	7DBB1	3,136	525.0	--	--	--	1975	H
68	10DBB1	3,134	525.0	6.00	19.0	X	4-22-74	H
69	11DCC1	3,088	--	--	--	--	--	H
70	12DAA1	3,096	400.0	10.00	50.0	X	3-31-72	H
71	13AAA1	3,091	79.0	--	--	--	1964	H
72	13ABA1	3,088	416.0	16.00	39.0	X	1-27-74	I
73	13DDD1	3,090	--	--	--	--	--	H
74	14BBA1	3,095	--	--	--	--	1985	H
75	14CCB1	3,073	525.0	6.00	22.0	X	3-19-74	H
76	15BCB1	3,103	500.0	6.00	18.0	X	4-21-76	H
77	15DCD1	3,080	--	--	--	--	--	H
78	19BAC1	3,085	537.0	18.00	19.0	X	6-17-66	I
79	24ADD1	3,070	800.0	--	--	--	1981	H

Table 1.--*Records of wells and springs*--Continued

Reference number	Well or spring location	Altitude of land surface (feet above sea level)	Depth of well (feet below land surface)	Diameter of casing (inches)	Top of open interval (feet below land surface)	Well finish	Date well construction completed	Primary use of water
80	4S-6E-24CCB1	3,065	760.0	16.00	308.0	P	5-17-69	I
				20.00	748.0	--		
				24.00	--	--		
81	31DDD1	3,029	--	--	--	--	--	I
82	35DCA1	3,048	730.0	16.00	380.0	P	2- 1-68	I
				12.00	630.0	--		
				--	720.0	--		
83	4S-7E- 6BCB1	3,115	--	--	--	--	--	H
84	7BBB1	3,100	22.0	--	--	--	--	H
85	7DAA1	3,095	470.0	--	--	--	--	H
86	16BBB1	3,106	569.0	20.00	12.0	X	4-18-68	I
87	17CAB1	3,088	383.0	8.00	20.0	X	4-27-72	H
88	18AAA1	3,091	580.0	--	--	--	1964	H
89	5S-4E- 5ABB1	2,930	427.0	--	--	--	--	H
90	11DCB1S	2,522	--	--	--	--	--	S
91	12CAA1S	2,490	--	--	--	--	--	H
92	5S-5E- 5AAC1	2,985	--	--	--	--	--	I
93	5S-6E- 3BCA1	3,043	--	--	--	--	--	I
94	6BBB1	3,050	--	--	--	--	--	H
95	6DBA1	3,030	--	--	--	--	--	I
96	8ADD1	3,040	--	--	--	--	1970	H

Table 2.--*Onsite and laboratory analyses of selected chemical constituents*

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; µm, micrometer; cols./100 mL, colonies per 100 milliliters; --, no data available; *, not analyzed for; <, less than; K, nonideal colony count]

			Onsite							Laboratory			Onsite	
Reference number	Well or spring location	Sample date (1989)	Water level, depth below land surface (feet)	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	Alkalinity (mg/L as $CaCO_3$)	Chloride, dissolved (mg/L as Cl)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as N)	Coliform, fecal, 0.7 µm, M-FC agar (cols./ 100 mL)	Streptococci, fecal, 0.45 µm, KF agar (cols./ 100 mL)
1	3S-6E- 2AAD1	10-19	56.73	14.0	223	7.6	84	9	1.5	--	--	--	*	*
2	7BAD1	10-16	58.86	11.5	272	7.8	87	16	1.7	--	--	--	*	*
3	9DDD1	9-18	130.12	15.0	341	6.8	96	19	5.3	--	--	--	*	*
		11-20	--	18.0	351	--	--	16	4.2	--	--	--	<1	<1
4	10ACD1	10-31	77.52	13.0	137	7.3	57	5	1.0	--	--	--	*	*
5	11DBB1	10-13	28.52	14.0	105	8.2	45	3	1.1	--	--	--	*	*
6	11DDA2	10-27	37.28	13.0	1,120	7.4	298	66	2.9	--	--	--	*	*
7	12CCC1	10-13	32.67	12.0	1,660	7.4	296	127	6.3	6.9	0.50	0.02	*	*
		11-16	--	11.5	1,250	--	--	89	3.3	--	--	--	<1	<1
8	12DAD1	10-27	38.87	13.5	575	7.4	166	34	2.1	--	--	--	*	*
9	13ACC1S	11- 2	--	12.5	200	6.7	78	8	1.0	--	--	--	*	*
10	13ADD1	10-13	--	11.0	157	6.6	70	3	.8	--	--	--	*	*
11	13CCB1	10-30	79.99	16.0	225	8.4	76	10	1.2	--	--	--	*	*
12	13CDBA1	11- 2	70.65	13.0	592	7.4	214	29	9.5	7.1	.80	<.01	*	*
		11-20	--	12.5	586	--	--	27	4.9	--	--	--	<1	<1
13	14CDDD1	10-19	--	13.5	337	7.0	106	19	3.2	3.6	.20	.02	*	*
14	14CDDD2	10-19	15.99	13.5	395	6.6	98	21	6.5	5.5	.30	.02	*	*
15	15AAD1	9-28	173.82	16.0	114	8.3	48	4	1.3	--	--	--	*	*
16	15BAA1	9-28	115.40	13.0	240	6.4	76	8	3.3	--	--	--	*	*
17	15BCD2	9-28	181.18	15.5	330	6.9	110	13	4.3	--	--	--	*	*
18	15DDA1	9-26	156.90	15.5	92	8.3	39	3	1.0	--	--	--	*	*
19	16DBB1	10-26	237.57	15.5	182	8.3	80	6	1.3	--	--	--	*	*
20	22AAA1	9-28	--	14.0	323	6.8	101	13	3.6	--	--	--	*	*
21	23BDD2	9-27	60.02	13.5	467	6.7	75	37	9.6	8.8	<.20	<.01	*	*
		11-20	--	13.0	462	--	--	33	7.5	--	--	--	<1	<1
22	23BDDB1	10-13	14.44	14.5	257	6.7	79	9	3.3	--	--	--	*	*
23	26ABC1	10-12	--	13.0	276	6.3	95	15	4.9	4.8	<.20	<.01	*	*
		11-20	--	12.0	254	--	--	11	2.7	--	--	--	<1	K9

Table 2.--*Onsite and laboratory analyses of selected chemical constituents*--Continued

Reference number	Well or spring location	Sample date (1989)	Onsite						Laboratory			Onsite	
			Water level, depth below land surface (feet)	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	Alkalinity (mg/L as $CaCO_3$)	Chloride, dissolved (mg/L as Cl)	Nitrogen, NO_2+ NO_3 dissolved (mg/L as N)	Nitrogen, NO_2+ NO_3 dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as N)	Coliform, fecal, 0.7 µm, M-FC agar (cols./ 100 mL)	Streptococci, fecal, 0.45 µm, KF agar (cols./ 100 mL)
24	3S-6E-26ADA2	9-19	--	21.0	158	8.5	64	5	1.3	--	--	--	*	*
25	26BDD1	11- 1	11.85	13.0	174	6.4	62	7	2.3	--	--	--	*	*
26	26CAC1	9-21	7.70	14.0	283	6.5	105	10	2.5	--	--	--	*	*
27	27CDD1	10-24	--	17.0	137	8.2	50	5	1.2	--	--	--	*	*
28	27DDD1	9-19	--	20.5	173	8.5	66	7	1.3	--	--	--	*	*
29	28DDC1	10-23	--	17.5	425	7.0	140	8	4.9	5.1	0.20	0.01	*	*
		11-20	--	15.5	432	--	--	23	4.7	--	--	--	<1	<1
30	33ADDC1	9-25	413.97	18.5	140	8.5	58	8	1.4	--	--	--	*	*
31	33BBC1	11- 3	439.55	15.5	487	7.4	129	29	6.9	9.4	.30	<.01	*	*
		11-20	--	15.5	419	--	--	23	5.8	--	--	--	<1	<1
32	34DDD1	9-19	156.14	15.0	489	7.5	172	24	3.0	--	--	--	*	*
33	35ABB1	9-18	5.65	15.0	365	6.7	145	14	3.3	--	--	--	*	*
34	35ACB1	9-19	432.08	19.5	217	8.5	62	12	1.3	--	--	--	*	*
35	3S-7E- 8BDBB1	10-16	83.59	14.0	323	7.6	67	27	3.5	3.8	<.20	<.01	*	*
		11-16	--	13.0	326	--	--	28	3.0	--	--	--	K1	<1
36	18CAB1	10-16	68.49	12.0	263	8.2	94	13	1.6	--	--	--	*	*
37	19BBC1	10-16	116.40	18.5	184	8.5	77	7	1.2	--	--	--	*	*
38	30BACD1	9-19	--	12.0	174	7.4	70	7	1.0	--	--	--	*	*
39	31CBB1	10-25	31.50	12.5	354	6.6	173	4	2.0	--	--	--	*	*
40	4S-3E-35BAD1S	10-23	--	20.0	159	8.2	72	3	1.0	--	--	--	*	*
41	35CAD1S	10-23	--	19.0	148	8.4	67	3	1.3	--	--	--	*	*
42	35DCA1S	10-23	--	18.0	147	8.5	67	4	1.0	--	--	--	*	*
43	4S-4E-36AAA1	9-20	--	19.5	146	8.6	57	4	1.3	--	--	--	*	*
44	36DAB1	9-20	--	20.0	149	8.6	56	5	1.2	--	--	--	*	*
45	4S-5E- 9DBA1	9-27	378.42	17.0	271	7.9	80	13	2.5	--	--	--	*	*
46	9DCA1	11- 3	--	18.0	197	8.2	55	11	2.2	--	--	--	*	*
47	10CBD1	11- 3	405.85	15.0	143	8.7	43	9	1.5	--	--	--	*	*
48	11BBB1	9-27	366.72	14.5	191	8.2	65	9	1.9	--	--	--	*	*
49	15BBC1	9-20	--	20.0	144	8.6	50	9	1.4	--	--	--	*	*
50	19BCC1	9-27	--	19.5	150	8.3	60	5	1.6	--	--	--	*	*

Table 2.--*Onsite and laboratory analyses of selected chemical constituents*--Continued

Reference number	Well or spring location	Sample date (1989)	Onsite							Laboratory			Onsite	
			Water level, depth below land surface (feet)	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	Alkalinity (mg/L as $CaCO_3$)	Chloride, dissolved (mg/L as Cl)	Nitrogen, NO_2+ NO_3 dissolved (mg/L as N)	Nitrogen, NO_2+ NO_3 dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as N)	Coliform, fecal, 0.7 µm, M-FC agar (cols./ 100 mL)	Streptococci, fecal, 0.45 µm, KF agar (cols./ 100 mL)
51	4S-5E-21CAA1	10-17	--	20.5	186	8.3	66	9	2.8	1.5	<0.20	0.20	*	*
52	22CDC1	10-17	--	20.5	439	8.1	57	32	2.7	3.3	<.20	<.01	*	*
53	22DAC1	10-18	--	22.5	379	8.3	57	29	2.3	2.5	<.20	<.01	*	*
54	26ADD1	11- 1	400.04	18.5	323	8.4	54	28	2.5	--	--	--	*	*
		11-20	--	18.0	305	--	--	24	2.4	--	--	--	<1	<1
55	26CAA1	11- 1	395.50	18.5	491	8.2	52	52	5.3	4.2	<.20	<.01	*	*
		11-20	--	17.0	488	--	--	51	3.4	--	--	--	<1	<1
56	26DAD1	9-14	--	22.5	199	8.5	54	14	2.2	--	--	--	*	*
57	28BAD1	10-17	--	18.5	332	8.0	87	19	5.4	5.4	<.20	<.01	*	*
58	28DAB1	10-17	346.36	19.0	501	7.9	98	38	7.5	9.0	<.20	<.01	*	*
59	31ABA1	9-20	--	19.5	546	8.1	138	41	5.0	--	--	--	*	*
60	33BBC1	10-17	--	17.0	486	8.1	101	37	6.9	5.7	.20	.01	*	*
61	33CDB1	10-18	355.55	20.0	688	8.2	87	66	8.4	10	<.20	.01	*	*
62	4S-6E- 1BAA1	10-25	335.00	15.0	135	8.3	83	6	1.1	--	--	--	*	*
63	2DAA1	10-24	344.60	17.5	177	8.5	78	5	1.2	--	--	--	*	*
64	3BBC1	10-26	432.38	15.0	151	8.6	63	6	1.0	--	--	--	*	*
65	3DAA1	10-25	--	20.0	1,800	8.0	203	278	6.8	9.4	.40	.03	*	*
		11-20	--	15.5	354	--	--	37	1.9	--	--	--	<1	<1
66	7CCB1	11- 1	426.96	15.5	97	8.6	42	4	1.2	--	--	--	*	*
67	7DBB1	10-12	439.78	15.0	115	8.2	50	3	1.2	--	--	--	*	*
68	10DBB1	10-18	--	18.5	186	8.6	69	9	1.3	--	--	--	*	*
69	11DCC1	11- 2	150.00	13.5	794	7.7	313	52	1.9	--	--	--	*	*
70	12DAA1	10-31	--	15.5	357	8.3	106	20	2.3	--	--	--	*	*
71	13AAA1	9-26	8.84	13.0	2,060	7.5	330	125	9.4	11	.60	.03	*	*
		11-16	--	12.0	2,070	--	--	136	7.4	--	--	--	<1	<1
72	13ABA1	10-12	--	18.0	411	8.1	130	20	2.8	--	--	--	*	*
73	13DDD1	10-24	--	16.5	1,440	8.0	290	110	7.7	13	.80	.02	*	*
		11-16	--	15.0	1,440	--	--	108	9.4	--	--	--	<1	<1
74	14BBA1	9-26	183.15	14.5	811	7.4	314	51	3.5	--	--	--	*	*
75	14CCB1	10-26	372.77	18.5	163	8.2	73	6	1.3	--	--	--	*	*
76	15BCB1	11- 2	--	14.0	271	8.1	106	14	1.5	--	--	--	*	*

Table 2.--*Onsite and laboratory analyses of selected chemical constituents*--Continued

Reference number	Well or spring location	Sample date (1989)	Onsite							Laboratory			Onsite	
			Water level, depth below land surface (feet)	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	Alkalinity (mg/L as $CaCO_3$)	Chloride, dissolved (mg/L as Cl)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as N)	Coliform, fecal, 0.7 µm, M-FC agar (cols./ 100 mL)	Streptococci, fecal, 0.45 µm, KF agar (cols./ 100 mL)
77	4S-6E-15DCD1	9-25	--	18.5	348	8.0	120	21	2.4	--	--	--	*	*
78	19BAC1	9-21	--	23.0	126	8.5	55	5	1.1	--	--	--	*	*
79	24ADD1	10-24	--	16.5	747	7.8	154	72	4.9	5.8	0.20	0.02	*	*
		11-16	--	14.0	748	--	--	76	6.1	--	--	--	<1	<1
80	24CCB1	10-12	--	21.5	275	8.1	88	15	1.8	--	--	--	*	*
81	31DDD1	9-14	--	21.5	168	8.4	71	12	1.2	--	--	--	*	*
82	35DCA1	10-12	--	23.0	316	7.9	122	12	.9	--	--	--	*	*
83	4S-7E- 6BCB1	10-31	7.73	11.5	822	6.9	287	48	9.0	8.2	.40	.01	*	*
		11-16	--	10.0	803	--	--	43	5.9	--	--	--	<1	<1
84	7BBB1	10-24	6.52	12.5	486	6.7	167	17	2.7	2.4	<.20	<.01	*	*
85	7DAA1	10-31	315.24	23.0	481	7.7	208	24	7.7	5.8	.40	<.01	*	*
		11-16	--	16.5	555	--	--	23	6.4	--	--	--	<1	<1
86	16BBB1	9-26	--	23.0	424	8.2	110	27	3.4	2.9	<.20	<.01	*	*
87	17CAB1	9-26	313.35	21.0	509	7.9	142	32	4.0	4.3	.30	.02	*	*
88	8AAA1	10-26	315.17	16.5	525	7.8	190	22	5.2	6.2	<.20	.01	*	*
		11-16	--	12.0	501	--	--	26	4.7	--	--	--	<1	<1
89	5S-4E- 5ABB1	9-25	300.39	18.5	150	8.6	62	5	1.4	--	--	--	*	*
90	11DCB1S	11-14	--	19.0	139	8.0	--	6	1.3	--	--	--	*	*
91	12CAA1S	11-14	--	19.0	142	8.0	67	6	.8	--	--	--	*	*
92	5S-5E- 5AAC1	9-20	338.64	--	--	--	--	--	--	--	--	--	*	*
		9-27	--	19.5	526	8.1	93	41	7.7	7.1	<.20	<.01	*	*
93	5S-6E- 3BCA1	9-14	--	24.0	233	8.1	99	6	.9	--	--	--	*	*
94	6BBB1	9-21	413.78	20.0	149	8.4	64	7	1.0	--	--	--	*	*
95	6DBA1	9-21	--	21.0	188	8.3	69	9	1.7	--	--	--	*	*
96	8ADD1	9-21	--	23.0	195	8.0	84	8	.5	--	--	--	*	*

Table 3.--*Statistical summary of selected well-inventory and water-quality data*

[*, onsite analysis; °C, degrees Celsius; µS/cm, microsiemens per centimeter at 25 degrees Celsius; ≤, less than or equal to; ≥, greater than or equal to; mg/L, milligrams per liter; #, laboratory analysis; <, less than; µm, micrometer; cols./100 mL, colonies per 100 milliliters; ***, mandatory maximum contaminant limits for public water supplies vary with sample method and frequency[1]; K, nonideal colony count]

Well-inventory data or water-quality constituent	Number of samples	Median (50 percent)	Mean	Range		Number of samples with concentrations exceeding national public drinking-water limits
				Minimum	Maximum	
*Water level, feet below land surface	54	155.65	198.58	5.65	439.78	
*Temperature (°C)	113	16.0	16.5	10.0	24.0	
*Specific conductance (µS/cm)	113	316	413	92	2,070	
*pH (standard units)	96	8.1	7.8	6.3	8.7	[2]4 ≤ 6.5 [2]17 ≥ 8.5
*Alkalinity, total (mg/L as $CaCO_3$)	95	80	106	39	330	
*Chloride, dissolved (mg/L as Cl)	113	14	26	3	278	[2]1 ≥250 mg/L
*Nitrogen, nitrite + nitrate, dissolved (mg/L as N)	113	2.5	3.3	.5	9.5	
#Nitrogen, nitrite + nitrate, dissolved (mg/L as N)	28	5.8	6.2	1.5	13	[1]3 ≥ 10 mg/L
#Nitrogen, ammonia + organic, dissolved (mg/L as N)	28	<.2	.3	<.2	.8	
#Nitrogen, ammonia, dissolved (mg/L as N)	28	.01	.01	<.01	.03	
*Coliform, fecal, 0.7-µm, M-FC agar (cols./100 mL)	17	<1	<1	<1	K1	***
*Streptococci, fecal, 0.45-µm, KF agar (cols./100 mL)	17	<1	<1	<1	K9	***

[1] U.S. Environmental Protection Agency, 1988a.

[2] U.S. Environmental Protection Agency, 1988b.

Table 4.--*Analyses of major ions and selected trace metals, 1974 to 1989*

[mg/L, milligrams per liter; µg/L, micrograms per liter; <, less than; --, no data available]

Reference number	Well or spring location	Sample date	Solids, sum of constituents, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)	Bicarbonate, water, field (mg/L as HCO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Iron, dissolved (µg/L as Fe)	Manganese, dissolved (µg/L as Mn)	Zinc, dissolved (µg/L as Zn)
1	3S-6E- 2AAD1	11-28-80	138	13	6.4	15	3.6	100	4.9	5.7	0.3	34	<10	1	210
3	9DDD1	8- 9-76	270	34	11	35	5.4	180	34	17	.1	30	–	–	–
		9-12-80	244	29	9.6	30	5.3	160	29	12	.2	32	140	9	740
26	26CAC1	11-21-80	201	28	6.8	17	5.6	170	4.9	4.4	.3	49	–	–	–
32	34DDD1	11-25-80	337	33	10	55	6.0	240	35	15	.2	47	<10	<1	40
33	35ABB1	8- 9-76	326	49	11	42	5.7	240	24	13	.4	37	–	–	–
36	3S-7E-18CAB1	8- 9-76	165	22	7.7	15	3.0	120	10	3.5	.4	39	–	–	–
37	19BBC1	11-25-80	140	21	6.8	7.5	2.7	110	2.7	2.5	.2	39	20	<1	150
41	4S-3E-35CAD1S	8-16-76	123	13	3.8	12	3.5	82	6.0	2.1	.3	39	–	–	–
51	4S-5E-21CAA1	2-23-74	163	23	6.3	14	4.0	87	23	10	.3	37	2,500	<10	–
53	22DAC1	2-23-74	130	14	4.1	10	3.9	69	15	4.0	.6	44	30	<10	–
		11-18-80	250	33	8.4	18	6.5	63	66	26	.1	40	20	<1	<3
57	28BAD1	2-23-74	214	34	11	16	4.6	99	40	21	.3	38	<10	<10	–
58	28DAB1	11-18-80	408	60	19	24	6.3	150	83	49	1.1	38	10	1	10
61	33CDB1	2-23-74	216	34	10	17	4.9	65	45	33	.3	40	<10	–	–
		11-19-80	376	59	16	24	6.8	93	90	55	.1	38	<10	<1	390
63	4S-6E- 2DAA1	11-21-80	138	14	6.4	10	3.0	83	3.1	3.3	.2	40	10	<1	150
		5-27-81	132	14	6.6	10	2.6	–	6.9	3.0	.1	39	<10	1	41
71	13AAA1	9-26-89	1,520	190	61	200	5.7	–	650	120	.4	47	–	–	–
84	4S-7E- 7BBB1	10-24-89	316	34	8.9	51	6.9	–	45	12	.4	47	13	2	48
90	5S-4E-11DCB1S	8-19-76	121	14	3.8	11	3.0	79	6.9	3.1	.3	36	–	–	–

Table 5.--*Analyses of selected volatile organic compounds*

[µg/L, micrograms per liter; <, less than]

Reference number	Well or spring location	Sample date (1989)	Dibromomethane, water, whole, recoverable (µg/L)	Dichlorobromomethane, total (µg/L)	Carbon tetrachloride, total (µg/L)	1,2-Dichloroethane, total (µg/L)	Bromoform, total (µg/L)	Chlorodibromomethane, total (µg/L)	Chloroform, total (µg/L)	Toluene, total (µg/L)	Benzene, total (µg/L)
1	3S-6E- 2AAD1	10-19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2	7BAD1	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
3	9DDD1	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
4	10ACD1	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
5	11DBB1	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
6	11DDA2	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
7	12CCC1	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
8	12DAD1	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
9	13ACC1S	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
10	13ADD1	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
11	13CCB1	10-30	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
12	13CDBA1	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
13	14CDDD1	10-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
15	15AAD1	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
16	15BAA1	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
17	15BCD2	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
18	15DDA1	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
19	16DBB1	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
20	22AAA1	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
21	23BDD2	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
22	23BDDB1	10-13	< .20	.50	< .20	< .20	< .20	< .20	15	< .20	< .20
		11- 6	< .20	< .20	< .20	< .20	< .20	< .20	2.7	< .20	< .20
23	26ABC1	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
24	26ADA2	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
25	26BDD1	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
26	26CAC1	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
27	27CDD1	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
28	27DDD1	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	Chlorobenzene, total (µg/L)	Chloroethane, total (µg/L)	Ethylbenzene, total (µg/L)	Methylbromide, total (µg/L)	Methylene chloride, total (µg/L)	Tetrachloroethylene, total (µg/L)	Trichlorofluoromethane, total (µg/L)	1,1-Dichloroethane, total (µg/L)	1,1-Dichloroethylene, total (µg/L)	1,1,1-Trichloroethane, total (µg/L)	1,1,2-Trichloroethane, total (µg/L)	1,1,2,2-Tetrachloroethane, total (µg/L)
1	10-19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
3	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
4	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
5	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
6	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
7	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
8	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
9	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
10	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
11	10-30	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
12	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
13	10-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
15	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
16	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
17	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
18	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
19	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
20	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
21	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
22	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
23	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
24	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
25	11- 1	< .20	< .20	< .20	< .20	1.1	< .20	< .20	< .20	< .20	< .20	< .20	< .20
26	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
27	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
28	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	1,2-Dichlorobenzene, total (µg/L)	1,2-Dichloropropane, total (µg/L)	1,3-Dichlorobenzene, total (µg/L)	1,4-Dichlorobenzene, total (µg/L)	Dichlorodifluoromethane, total (µg/L)	Trans 1,3-Dichloropropene, total (µg/L)	Cis 1,3-Dichloropropene, total (µg/L)	Vinyl chloride, total (µg/L)	Trichloroethylene, total (µg/L)	1,2-Dichloroethene, water, whole, recoverable (µg/L)	Styrene, total (µg/L)	1,1-Dichloropropene, water, whole, total (µg/L)
1	10-19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0	<0.2	<0.2
2	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
3	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
4	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
5	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
6	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
7	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
8	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
9	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
10	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
11	10-30	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
12	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
13	10-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
15	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
16	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
17	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
18	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
19	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
20	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
21	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
22	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
23	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
24	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
25	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
26	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
27	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
28	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	2,2-Dichloropropane, water, whole, total (µg/L)	1,3-Dichloropropane, water, whole, total (µg/L)	Orthochlorotoluene, water, whole, total (µg/L)	Parachlorotoluene, water, whole, total (µg/L)	1,2,3-Trichloropropane, water, whole, total (µg/L)	1,1,1,2-Tetrachloroethane, water, whole, total (µg/L)	1,2-Dibromoethane, water, whole, total (µg/L)	Xylene, total, water, whole, total recoverable (µg/L)	Bromobenzene, water, whole, total (µg/L)	1,2-Dibromoethane, EPA method 504 (µg/L)	1,2-Dibromo-3-chloropropane, EPA method 504 (µg/L)
1	10-19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.04	<0.03
2	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
3	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
4	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
5	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
6	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
7	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
8	10-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
9	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
10	10-13	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
11	10-30	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
12	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
13	10-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
15	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
16	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
17	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
18	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
19	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
20	9-28	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
21	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
22	10-13	< .20	.50	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
23	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
24	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
25	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
26	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
27	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
28	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Well or spring location	Sample date (1989)	Dibromomethane, water, whole, recoverable (µg/L)	Dichlorobromomethane, total (µg/L)	Carbon tetrachloride, total (µg/L)	1,2-Dichloroethane, total (µg/L)	Bromoform, total (µg/L)	Chlorodibromomethane, total (µg/L)	Chloroform, total (µg/L)	Toluene, total (µg/L)	Benzene, total (µg/L)
29	3S-6E-28DDC1	10-23	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
30	33ADDC1	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
31	33BBC1	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
32	34DDD1	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
33	35ABB1	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	6.7
34	35ACB1	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
35	3S-7E- 8DBB1	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
36	18CAB1	10-16	< .20	.90	< .20	< .20	.80	1.0	1.4	< .20	< .20
37	19BBC1	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
38	30BACD1	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
39	31CBB1	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
40	4S-3E-35BAD1S	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
41	5CAD1S	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
42	5DCA1S	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
43	4S-4E-36AAA1	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
45	4S-5E- 9DBA1	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
46	9DCA1	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
47	10CBD1	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
48	11BBB1	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
49	15BBC1	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
50	19BCC1	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
51	21CAA1	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
52	22CDC1	10-17	< .20	.60	< .20	< .20	8.2	2.7	< .20	< .20	< .20
		11- 6	< .20	.70	< .20	< .20	2.4	2.0	< .20	< .20	< .20
53	22DAC1	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
		11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
54	4S-5E-26ADD1	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
55	26CAA1	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
56	26DAD1	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	Chlorobenzene, total (µg/L)	Chloroethane, total (µg/L)	Ethylbenzene, total (µg/L)	Methylbromide, total (µg/L)	Methylene chloride, total (µg/L)	Tetrachloroethylene, total (µg/L)	Trichlorofluoromethane, total (µg/L)	1,1-Dichloroethane, total (µg/L)	1,1-Dichloroethylene, total (µg/L)	1,1,1-Trichloroethane, total (µg/L)	1,1,2-Trichloroethane, total (µg/L)	1,1,2,2-Tetrachloroethane, total (µg/L)
29	10-23	<0.20	<0.20	<0.20	<0.20	<0.20	0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
30	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
31	11- 3	< .20	< .20	< .20	< .20	< .20	.60	< .20	< .20	< .20	< .20	< .20	< .20
32	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
33	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
34	9-19	< .20	< .20	< .20	.60	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
35	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
36	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
37	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
38	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
39	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
40	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
41	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
42	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
43	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
45	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
46	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
47	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
48	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
49	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
50	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
51	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
52	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
53	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
54	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
55	11- 1	< .20	< .20	< .20	< .20	.70	< .20	< .20	< .20	< .20	< .20	< .20	< .20
56	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	1,2-Dichlorobenzene, total (µg/L)	1,2-Dichloropropane, total (µg/L)	1,3-Dichlorobenzene, total (µg/L)	1,4-Dichlorobenzene, total (µg/L)	Dichlorodifluoromethane, total (µg/L)	Trans 1,3-Dichloropropene, total (µg/L)	Cis 1,3-Dichloropropene, total (µg/L)	Vinyl chloride, total (µg/L)	Trichloroethylene, total (µg/L)	1,2-Dichloroethene, water, whole, recoverable (µg/L)	Styrene, total (µg/L)	1,1-Dichloropropene, water, whole, total (µg/L)
29	10-23	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0	<0.2	<0.2
30	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
31	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
32	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
33	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
34	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
35	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
36	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
37	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
38	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
39	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
40	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
41	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
42	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
43	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
45	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
46	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
47	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
48	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
49	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
50	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
51	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
52	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
53	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
54	11- 1	< .20	< .20	< .20	< .20	6.2	< .20	< .20	< .20	< .2	<0	< .2	< .2
55	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
56	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	2,2-Dichloropropane, water, whole, total (µg/L)	1,3-Dichloropropane, water, whole, total (µg/L)	Orthochlorotoluene, water, whole, total (µg/L)	Parachlorotoluene, water, whole, total (µg/L)	1,2,3-Trichloropropane, water, whole, total (µg/L)	1,1,1,2-Tetrachloroethane, water, whole, total (µg/L)	1,2-Dibromoethane, water, whole, total (µg/L)	Xylene, total water, whole, total, recoverable (µg/L)	Bromobenzene, water, whole, total (µg/L)	1,2-Dibromoethane, EPA method 504 (µg/L)	1,2-Dibromo-3-chloropropane, EPA method 504 (µg/L)
29	10-23	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.04	<0.03
30	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
31	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
32	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
33	9-18	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
34	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
35	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
36	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
37	10-16	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
38	9-19	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
39	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
40	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
41	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
42	10-23	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
43	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
45	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
46	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
47	11- 3	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
48	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
49	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
50	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
51	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
52	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
53	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
54	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
55	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
56	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Well or spring location	Sample date (1989)	Dibromomethane, water, whole, recoverable (µg/L)	Dichlorobromomethane, total (µg/L)	Carbon tetrachloride, total (µg/L)	1,2-Dichloroethane, total (µg/L)	Bromoform, total (µg/L)	Chlorodibromomethane, total (µg/L)	Chloroform, total (µg/L)	Toluene, total (µg/L)	Benzene, total (µg/L)
57	4S-5E-28BAD1	10-17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
		11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
58	28DAB1	10-17	< .20	.20	< .20	< .20	2.5	1.0	< .20	< .20	< .20
		11- 6	< .20	.40	< .20	< .20	3.8	1.6	< .20	< .20	< .20
59	31ABA1	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
60	33BBC1	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
		11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
61	33CDB1	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
		11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
62	4S-6E- 1BAA1	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
63	2DAA1	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
64	3BBC1	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
65	3DAA1	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
66	7CCB1	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
67	7DBB1	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
68	10DBB1	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
69	11DCC1	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
70	12DAA1	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
71	13AAA1	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
72	13ABA1	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
73	13DDD1	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
74	14BBA1	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
75	14CCB1	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
76	15BCB1	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
77	15DCD1	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
78	19BAC1	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
79	24ADD1	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
80	24CCB1	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
81	31DDD1	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	Chlorobenzene, total (µg/L)	Chloroethane, total (µg/L)	Ethylbenzene, total (µg/L)	Methylbromide, total (µg/L)	Methylene chloride, total (µg/L)	Tetrachloroethylene, total (µg/L)	Trichlorofluoromethane, total (µg/L)	1,1-Dichloroethane, total (µg/L)	1,1-Dichloroethylene, total (µg/L)	1,1,1-Trichloroethane, total (µg/L)	1,1,2-Trichloroethane, total (µg/L)	1,1,2,2-Tetrachloroethane, total (µg/L)
57	10-17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
58	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
59	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
60	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
61	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
62	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
63	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
64	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
65	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
66	11- 1	< .20	< .20	< .20	< .20	1.1	< .20	< .20	< .20	< .20	< .20	< .20	< .20
67	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
68	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
69	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
70	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
71	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
72	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
73	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
74	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
75	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
76	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
77	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
78	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
79	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
80	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
81	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	1,2-Dichlorobenzene, total (µg/L)	1,2-Dichloropropane, total (µg/L)	1,3-Dichlorobenzene, total (µg/L)	1,4-Dichlorobenzene, total (µg/L)	Dichlorodifluoromethane, total (µg/L)	Trans 1,3-Dichloropropene, total (µg/L)	Cis 1,3-Dichloropropene, total (µg/L)	Vinyl chloride, total (µg/L)	Trichloroethylene, total (µg/L)	1,2-Dichloroethene, water, whole, recoverable (µg/L)	Styrene, total (µg/L)	1,1-Dichloropropene, water, whole, total (µg/L)
57	10-17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.2	<0	<0.2	<0.2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	1.3	<0	< .2	< .2
58	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	1.5	<0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	.8	<0	< .2	< .2
59	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	.3	<0	< .2	< .2
60	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	1.2	0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	1.4	0	< .2	< .2
61	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
62	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
63	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
64	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
65	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
66	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
67	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
68	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
69	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
70	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
71	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
72	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
73	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
74	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
75	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
76	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
77	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
78	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
79	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
80	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
81	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	2,2-Dichloropropane, water, whole, total (µg/L)	1,3-Dichloropropane, water, whole, total (µg/L)	Orthochlorotoluene, water, whole, total (µg/L)	Parachlorotoluene, water, whole, total (µg/L)	1,2,3-Trichloropropane, water, whole, total (µg/L)	1,1,1,2-Tetrachloroethane, water, whole, total (µg/L)	1,2-Dibromoethane, water, whole, total (µg/L)	Xylene, total water, whole, total, recoverable (µg/L)	Bromobenzene, water, whole, total (µg/L)	1,2-Dibromoethane, EPA method 504 (µg/L)	1,2-Dibromo-3-chloropropane, EPA method 504 (µg/L)
57	10-17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.04	<0.03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .04
58	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .04
59	9-20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
60	10-17	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .04
61	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
	11- 6	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .04
62	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
63	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
64	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
65	10-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
66	11- 1	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
67	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
68	10-18	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
69	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
70	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
71	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
72	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
73	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
74	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
75	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
76	11- 2	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
77	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
78	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
79	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
80	10-12	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
81	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Well or spring location	Sample date (1989)	Dibromomethane, water, whole, recoverable (µg/L)	Dichlorobromomethane, total (µg/L)	Carbon tetrachloride, total (µg/L)	1,2-Dichloroethane, total (µg/L)	Bromoform, total (µg/L)	Chlorodibromomethane, total (µg/L)	Chloroform, total (µg/L)	Toluene, total (µg/L)	Benzene, total (µg/L)
82	4S-6E-35DCA1	10-12	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20
83	4S-7E- 6BCB1	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
84	7BBB1	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
85	7DAA1	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
86	16BBB1	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
87	17CAB1	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
88	18AAA1	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
89	5S-4E- 5ABB1	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
90	11DCB1S	11-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
92	5S-6E- 5AAC1	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
93	3BCA1	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
94	6BBB1	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
95	6DBA1	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
96	8ADD1	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	Chlorobenzene, total (µg/L)	Chloroethane, total (µg/L)	Ethylbenzene, total (µg/L)	Methylbromide, total (µg/L)	Methylene chloride, total (µg/L)	Tetrachloroethylene, total (µg/L)	Trichlorofluoromethane, total (µg/L)	1,1-Dichloroethane, total (µg/L)	1,1-Dichloroethylene, total (µg/L)	1,1,1-Trichloroethane, total (µg/L)	1,1,2-Trichloroethane, total (µg/L)	1,1,2,2-Tetrachloroethane, total (µg/L)
82	10-12	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
83	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
84	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
85	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
86	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
87	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
88	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
89	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
90	11-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
92	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
93	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
94	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
95	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20
96	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	1,2-Dichlorobenzene, total (µg/L)	1,2-Dichloropropane, total (µg/L)	1,3-Dichlorobenzene, total (µg/L)	1,4-Dichlorobenzene, total (µg/L)	Dichlorodifluoromethane, total (µg/L)	Trans 1,3-Dichloropropene, total (µg/L)	Cis 1,3-Dichloropropene, total (µg/L)	Vinyl chloride, total (µg/L)	Trichloroethylene, total (µg/L)	1,2-Dichloroethene, water, whole, recoverable (µg/L)	Styrene, total (µg/L)	1,1-Dichloropropene, water, whole, total (µg/L)
82	10-12	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0	<0.2	<0.2
83	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
84	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
85	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
86	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
87	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
88	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
89	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
90	11-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
92	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
93	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
94	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
95	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2
96	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .20	< .2	<0	< .2	< .2

Table 5.--*Analyses of selected volatile organic compounds*--Continued

Reference number	Sample date (1989)	2,2-Dichloropropane, water, whole, total (µg/L)	1,3-Dichloropropane, water, whole, total (µg/L)	Orthochlorotoluene, water, whole, total (µg/L)	Parachlorotoluene, water, whole, total (µg/L)	1,2,3-Trichloropropane, water, whole, total (µg/L)	1,1,1,2-Tetrachloroethane, water, whole, total (µg/L)	1,2-Dibromoethane, water, whole, total (µg/L)	Xylene, total water, whole, total, recoverable (µg/L)	Bromobenzene, water, whole, total (µg/L)	1,2-Dibromoethane, EPA method 504 (µg/L)	1,2-Dibromo-3-chloropropane, EPA method 504 (µg/L)
82	10-12	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.04	<0.03
83	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
84	10-24	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
85	10-31	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
86	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
87	9-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
88	10-26	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
89	9-25	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
90	11-14	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
92	9-27	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
93	9-14	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
94	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
95	9-21	< .20	< .20	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03
96	9-21	< .20	.50	< .20	< .20	< .20	< .20	< .2	< .2	< .20	< .04	< .03

Table 6.--*National primary drinking-water limits for volatile organic compounds* [1]

[mg/L, milligrams per liter; µg/L, micrograms per liter]

Volatile organic compound	National public drinking-water limit	
Total trihalomethanes [the sum of the concentrations of dichlorobromomethane, bromoform (tribromomethane), chlorodibromomethane, and chloroform (trichloromethane)]	0.1 mg/L	(100 µg/L)
Benzene	.005 mg/L	(5 µg/L)
Trichloroethylene	.005 mg/L	(5 µg/L)

[1] U.S. Environmental Protection Agency, 1988a.