Table 6. Water quality of the Carrizo aquifer

[ft, feet; gal/min; gallons per minute; µS/cm, microsiemens per centimeter at 25 °C; °C, degrees Celsius; mg/L, milligrams per liter; NTU, nephelometric turbidity units; --, not available; <, less than; µg/L, micrograms per liter]

Sampled well number (fig. 2)	USGS station number	State well number	Aquifer	Sample date	Depth of well (ft)	Flow rate (gal/min)	Specific conductance (field) (µS/cm)	pH (field) (standard units)	Water temperature (°C)	Dissolved solids, residue at 180 °C (mg/L)	Turbidity (NTU)	Hardness, total (mg/L as $CaCO_3$)
1	280318099400501	YZ–77–59–501	Carrizo	03/18/1998	2,031	15	1,410	8.2	35	826	0.3	4
4	275812099535801	YZ–85–01–301	Carrizo	03/17/1998	1,500	20	1,422	8.5	29	828	.18	3.0
5	275631099372001	YZ–85–04–401	Carrizo	09/04/1997	1,991	--	1,530	8.8	37	1,060	.20	5.0
6	275355099381701	YZ–85–03–905	Carrizo	01/27/1998	1,900	10	2,368	8.5	31	1,460	.17	7.0
17	273903099374501	YZ–85–19–903	Carrizo	09/12/1997	1,918	150	3,740	8.3	38	2,220	1.3	8.0
19	274115099271301	YZ–85–21–501	Carrizo	10/30/1997	3,320	60	4,363	7.9	47	2,080	.10	9.0

Sampled well number (fig. 2)	Calcium, dissolved, (mg/L as Ca)	Magnesium, dissolved, (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium-adsorption ratio	Sodium percentage	Potassium, dissolved (mg/L as K)	Alkalinity (field, total) (mg/L as $CaCO_3$)	Bicarbonate, dissolved (mg/L as HCO_3)	Sulfate, dissolved, (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)
1	0.84	0.31	324	77	99	1.3	342	417	159	122	0.91
4	.73	.17	319	87	99	1.1	213	260	183	160	.80
5	1.3	.37	400	78	99	1.4	540	653	95	190	1.2
6	1.8	.51	544	92	99	1.8	692	844	85	319	2.0
17	2.0	.52	870	140	99	2.5	1,092	1,329	1.0	630	2.8
19	2.5	.50	790	120	99	3.4	1,090	1,329	.4	540	2.6

Sampled well number (fig. 2)	Silica, dissolved (mg/L as Si)	Nitrogen, nitrite, dissolved (mg/L as N)	Nitrogen, nitrite + nitrate, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as NH^3)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, organic, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)	Phosphorus, ortho, dissolved (mg/L as P)	Phosphate, ortho, dissolved (mg/L as PO_4)	Aluminum, dissolved (µg/L as Al)
1	20	<0.01	<0.05	0.39	0.30	0.36	0.06	0.13	0.17	0.52	6.9
4	15	<.01	<.05	.37	.29	.39	.1	.05	.08	.24	6.6
5	17	<.01	<.05	.61	.47	.50	.06	.05	.08	.23	9.0
6	17	<.01	<.05	.79	.61	.69	.08	.06	.12	.38	6.4
17	18	<.01	<.05	.90	.70	.60	--	.07	.10	.31	16
19	22	<.01	<.05	1.2	.91	.80	--	.05	.06	.19	10

Sampled well number (fig. 2)	Antimony, dissolved (µg/L as Sb)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Beryllium, dissolved (µg/L as Be)	Boron, dissolved (µg/L as B)	Cadmium, dissolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)	Lead, dissolved (µg/L as Pb)
1	<1	<1	49	<1	710	<1	1.8	<1	<1	265	<1
4	<1	<1	35	<1	722	<1	<1.0	<1	<1	84	<1
5	<1	<1	98	<1	976	<1	3.8	<1	<1	42	<1
6	<2	<1	115	<2	1,124	<2	4.6	<2	<2	106	<2
17	<2	<1	99	<2	1,530	<2	9.5	<2	<2	180	<2
19	<2	<1	544	<2	1,430	<2	13	<2	<2	73	<2

Sampled well number (fig. 2)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Mercury, dissolved (µg/L as Hg)	Molybdenum, dissolved (µg/L as Mo)	Nickel, dissolved (µg/L as Ni)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Uranium, dissolved (µg/L as U)	Vanadium, dissolved (µg/L as V)	Zinc, dissolved (µg/L as Zn)
1	35	6.0	<0.1	3.6	<1	<1	<1	87	<1	<10	3.0
4	34	15	<.1	2.8	<1	<1	--	90	<1	<10	1.2
5	41	9.7	<.1	3.0	<1	<1	--	126	<1	<6	<1
6	62	8.9	<.1	3.4	<2	<1	<2	161	<2	<30	<2
17	100	6.5	<.1	<2	<2	<1	<2	291	<2	<18	3.1
19	136	3.1	<.1	<2	<2	<1	<2	293	<2	<18	<2