

Table 19. Major ion concentrations in samples from land-use wells, 1997

[mg/L, milligrams per liter; µg/L, micrograms per liter; <, less than detection limit indicated. Numbers in parentheses () are U.S. Geological Survey Water Data Storage and Retrieval System parameter codes]

Map-index number (fig. 2)	Well identification	Date (month-day-year)	Time (24-hour)	Type of sample	Calcium (mg/L as Ca) (00915)	Magnesium (mg/L as Mg) (00925)	Sodium (mg/L as Na) (00930)	Potassium (mg/L as K) (00935)	Chloride (mg/L as Cl) (00940)	Sulfate (mg/L as SO ₄) (00945)	Fluoride (mg/L as F) (00950)	Silica (mg/L as SiO ₂) (00955)	Bromide (mg/L as Br) (71870)	Iron (µg/L as Fe) (01046)	Manganese (µg/L as Mn) (01056)
Agricultural land-use wells															
1	405405091335001	07-02-97	1000	regular	63	8.5	21	1.8	11	22	0.14	22	0.03	<3.0	1.7
2	405601091551901	07-10-97	1210	do.	21	7.5	9.8	1.2	13	53	<.10	18	.02	<3.0	122
3	411511091155101	06-24-97	0900	do.	26	6.7	3.0	1.4	1.9	9.3	<.10	19	.03	<3.0	<1.0
4	411843092105101	07-14-97	1030	do.	47	13	28	.82	10	38	<.10	26	.03	<3.0	31
5	412755091114101	06-25-97	0830	do.	76	15	7.2	.72	14	50	.14	16	.05	560	304
6	412927092575201	07-14-97	1430	do.	82	23	8.4	.51	24	34	.15	23	.05	<3.0	9.5
7	413248092011301	07-07-97	1050	do.	49	20	12	.28	23	22	.18	25	.05	<3.0	3.2
8	413540091341201	06-10-97	1215	do.	80	30	5.7	.37	8.2	68	.31	13	.08	<3.0	<1.0
9	414208092312601	07-09-97	1150	do.	68	20	5.0	.49	27	26	.16	13	.05	<3.0	<1.0
10	414912093284201	07-15-97	0850	do.	74	19	4.2	.57	14	35	.35	27	.09	3,500	1,360
11	414958090230301	06-12-97	1005	do.	58	23	5.6	.71	14	56	.21	6.3	.04	4.0	80
12	415527092190301	07-17-97	0850	do.	81	29	7.1	.44	6.7	70	.14	15	.06	4.6	33
13	420117092505601	07-09-97	0850	do.	100	37	4.5	.30	3.9	35	.19	15	.03	<3.0	409
14	421115091250501	07-24-97	0910	do.	72	9.4	2.9	.97	18	8.3	<.10	17	.04	<3.0	<1.0
15	421705092142501	07-22-97	1250	do.	60	16	4.3	.39	8.0	18	.18	7.3	.04	<3.0	1.2
16	422518092144701	07-22-97	0930	do.	51	12	1.5	1.1	5.5	5.5	<.10	13	.02	<3.0	1.8
17	422629092345001	07-23-97	1140	blank	.093	.012	<.20	<.10	<.10	<.10	<.10	.032	<.01	<3.0	<1.0
			1200	regular	69	14	5.6	5.4	18	23	<.10	20	.08	<3.0	<1.0
18	423419093172401	07-08-97	0950	do.	87	26	13	2.3	4.5	29	.23	17	.04	10	176
19	423557091560501	08-27-97	0920	do.	69	13	7.8	.47	.88	10	.32	28	--	160	311
20	423639092350901	06-17-97	1450	do.	37	7.4	1.3	.79	12	5.6	<.10	17	.02	4.4	<1.0
21	424203092551301	07-31-97	1230	do.	50	15	2.7	.30	2.1	7.4	<.10	19	.01	<3.0	<1.0
22	424548092101701	08-26-97	0910	do.	55	11	2.2	.21	12	18	<.10	6.4	.09	7.6	2.9

Table 19. Major ion concentrations in samples from land-use wells, 1997—Continued

Map-index number (fig. 2)	Well identification	Date (month-day-year)	Time (24-hour)	Type of sample	Calcium (mg/L as Ca) (00915)	Mag-nesium (mg/L as Mg) (00925)	Sodium (mg/L as Na) (00930)	Potas-sium (mg/L as K) (00935)	Chloride (mg/L as Cl) (00940)	Sulfate (mg/L as SO ₄) (00945)	Fluoride (mg/L as F) (00950)	Silica (mg/L as SiO ₂) (00955)	Bromide (mg/L as Br) (71870)	Iron (µg/L as Fe) (01046)	Man-ganese (µg/L as Mn) (01056)
Agricultural land-use wells—Continued															
23	425401093135201	07-31-97	0850	regular	67	20	5.2	2.5	12	18	0.17	18	0.02	<3.0	<1.0
24	425756092162401	08-21-97	1210	do.	28	6.7	7.0	.40	14	39	<.10	21	E.04	5.3	139
25	430159093403201	07-29-97	0930	do.	86	33	9.6	3.0	11	23	.32	27	.03	270	1,600
26	430525093023501	07-30-97	1320	do.	86	26	2.3	1.2	6.8	17	.32	16	<.01	<3.0	77
27	431222093313301	07-29-97	1250	do.	62	22	2.0	1.1	8.1	5.9	.12	23	.05	<3.0	1.5
28	431339093155901	07-30-97	0930	do.	79	27	2.6	.84	12	14	.17	20	.04	<3.0	13
29	432946093161901	08-18-97	1350	do.	57	24	1.8	.25	2.4	6.0	.31	30	<.01	<3.0	<1.0
30	433815093000001	08-04-97	1240	do.	110	30	18	2.6	97	10	.16	26	<.01	6.3	1,430
31	435221093001901	08-05-97	0930	do.	74	18	42	.64	140	9.0	.25	22	.04	<3.0	8.8
Urban land-use wells															
32	412855091421601	06-26-97	0810	blank	.094	.014	<.20	<.10	<.10	.11	.11	.058	<.01	<3.0	1.2
		07-10-97	0840	do.	89	45	33	1.3	3.1	7.1	.31	16	.12	1,700	152
33	413414091095501	06-25-97	1110	do.	61	21	27	3.5	41	56	.20	18	.09	3.1	<1.0
34	413823091322301	06-09-97	1150	do.	61	18	6.4	.86	11	40	.20	11	.04	<3.0	<1.0
35	413933091304701	06-05-97	0935	do.	160	67	19	.67	310	84	<.10	19	.25	4300	227
36	414435090465101	06-23-97	0955	do.	100	45	17	1.1	42	80	.19	19	.12	13	413
			1000	replicate	100	46	18	1.1	42	80	.19	19	.12	13	456
37	415825091405601	07-17-97	1230	regular	140	39	51	2.7	190	120	.31	20	.18	41	364
38	415827091392401	06-30-97	0930	do.	110	21	34	21	53	120	<.10	19	.09	<3.0	<1.0
39	415850090572201	06-11-97	1310	blank	.15	<.010	<.20	<.10	<.10	<.10	<.10	.035	.02	<3.0	<1.0
			1330	regular	40	13	10	1.8	18	23	<.10	9.6	.07	<3.0	2.2
40	420219093361301	07-15-97	1200	do.	140	31	68	4.7	100	130	.40	22	.20	4,100	963
41	420240092535001	07-16-97	0900	do.	190	44	32	4.0	64	260	.13	20	.41	3,800	781
42	420347092541601	07-16-97	1210	do.	63	19	20	2.0	39	45	.57	13	.05	67	424
			1215	replicate	64	20	21	2.1	39	45	.55	14	.05	57	439

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Urban land-use wells—Continued															
43	420936092005701	07-21-97	1220	regular	73	22	25	0.54	19	39	0.35	16	0.08	34	889
44	421012092020101	07-21-97	0940	do.	120	37	34	8.3	72	6.3	.20	18	.37	5,800	882
45	422426092272401	06-19-97	0940	do.	120	21	43	1.3	61	140	.23	16	.13	14	245
46	422754092375301	07-23-97	0900	do.	57	8.2	14	.49	15	19	.14	15	.04	<3.0	14
47	422913092192501	06-18-97	0920	do.	130	25	51	7.8	73	87	.15	14	.11	7.0	1,430
48	422918092183901	06-18-97	1255	do.	130	29	35	5.2	89	140	.11	9.9	.07	3.7	2,210
49	423018092200901	08-26-97	1310	do.	110	26	34	4.8	82	77	.12	17	.08	<3.0	<1.0
50	423459092523701	07-28-97	1050	do.	100	32	14	2.7	18	35	.13	24	.07	<3.0	<1.0
51	423459092530501	07-28-97	1340	do.	91	29	11	8.5	26	28	.25	19	.06	18	3.5
52	423930093294901	07-08-97	1440	do.	85	27	7.7	1.7	10	55	.19	25	.06	<3.0	<1.0
53	424034091553401	08-27-97	1640	do.	90	18	21	2.7	63	47	<.10	14	.06	31	195
54	424322092283901	06-17-97	0935	do.	91	21	36	4.7	58	1.9	.41	25	.06	2,000	1,680
55	430414092405801	08-21-97	0830	do.	92	15	15	2.1	20	17	.13	17	.03	40	3.5
56	430442092402201	08-19-97	0930	do.	51	10	6.6	3.6	15	35	.10	12	.04	<3.0	9.6
57	431438092262201	08-20-97	0900	do.	110	37	35	7.2	90	110	.14	7.2	.08	9.0	<1.0
58	433855093222401	08-06-97	1130	do.	130	32	29	6.8	67	45	.19	39	.10	3,800	1,050
59	433944092583501	08-05-97	1140	do.	66	21	15	2.3	22	29	.19	20	.04	32	20
60	434003092575401	08-06-97	0830	do.	83	27	14	3.5	18	29	.22	19	.02	770	551
61	434023093214201	08-07-97	0900	do.	100	44	6.3	1.4	8.5	29	.21	26	.04	53	153
			0905	replicate	100	44	6.4	1.3	8.5	29	.21	26	.04	3.9	143