



CHEMICAL ANALYSES OF WATER FROM WELLS AND SPRINGS
Analyses by U.S. Geological Survey. Results in part per million except where indicated.

Location	Depth (feet)	Date of collection	Temperature (°F)	Chemical analyses										Hardness as CaCO ₃	Total dissolved solids (ppm)	Specific conductance (microhm-cm at 25°C)						
				Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved silica									
21-87-11a	416	12-10-54	44	12	0.15	109	21	95	5.9	230	189	124	0.6	0.2	660	354	172	182	2.1	1,000	7.6	
21-88-10c	Spring	12-6-54	44	7.8	0.07	46	13	9.3	1.4	190	24	0.0	0.0	1.1	0.2	214	170	156	14	3	303	7.6
21-87-10e	650	12-7-54	53	11	0.02	144	40	350	19	286	963	299	0.8	1.2	1,600	535	202	323	6.7	2,480	7.6	
23-88-20a	Spring	12-7-54	38	3.6	0.09	43	25	27	2.4	222	90	20	0.1	0.09	209	209	182	98	0.7	381	7.9	
21-87-20c	279	12-10-54	50	6.3	2.0	888	31	128	318	2,800	0.0	0.6	0.46	4,660	3,600	1,000	3,500	7.6	11,000	7.5		
19-88-54da	1,890	12-6-54	62	11	4.2	2.0	0.0	465	1.6	1,120	1.0	26	0.0	0.45	1,100	5	0	90	1,750	8.6		
18-88-10ba	1,000	12-6-54	57	8.7	0.6	3.5	1.1	75	2.6	175	32	2.0	0.5	0.08	223	13	13	0	8.9	346	7.5	
18-88-36a	1,026	12-6-54	57	10	0.09	.....	.....	210	1.9	651	.....	.....	4.5	7.0	0.0	0.44	743	3	0	.....	1,220	8.0
18-88-10db	210	12-6-54	47	7.8	0.09	5.5	1.3	296	1.0	556	37	0.5	1.2	0.0	0.37	720	19	19	0	29	1,170	9.3
13-89-32d	Spring	7-29-58	62	7.0	.....	4.8	4.4	972	.....	2,300	7.4	168	0.5	.....	2,300	30	.....	77	3,600	8.0		
16-91-21aa	2,362	10-1-63	64	18.0	0.19	4.5	1.0	492	3.8	1,100	69	61	3.7	0.0	0.81	1,170	15	902	0	55	1,900	7.2
20-01-21aa	90	7-17-58	57.5	12	.....	184	85	.....	.....	208	.....	.....	.....	.....	1,090	810	.....	.....	0.7	1,460	7.4	
18-106-8c	1,000	9-30-53	53	9.6	1.9	212	51	75	10	304	165	38	0.3	0.0	0.14	1,430	864	167	697	1	1,700	6.7
19-105-10ba	880	6-18-54	55	8.9	13	35	22	31	9.9	94	147	15	0.8	0.0	0.26	322	176	77	99	1.0	508	6.3
21-101-11da	1,200	9-30-63	62	9.3	27	66	21	15	11	277	56	7.0	2	4	0.8	319	232	227	25	4	147	7.4
22-104-10cd	(7)	8-18-64	75	11	0.05	38	14	26	.....	242	7.2	5.1	0.1	0.07	228	123	198	0	0.9	406	7.4	
18-102-4bb	60	9-25-63	73	14.0	1.0	80	38	100	18	290	283	44	1.5	1.0	0.27	743	233	143	23	1,100	6.8	
16-91-21cd	71	10-1-63	57	8.8	0.07	9.0	0.4	690	5.5	1,070	0.1	147	6.0	0.59	1,640	24	1,250	0	61	2,800	8.0	
19-99-7a	161	10-20-53	75	12	0.74	296	185	409	7.5	553	1,700	306	0.2	1.1	0.34	2,300	1,600	453	1,000	4.8	3,000	7.4
20-90-10cd	350	7-9-60	49	7.1	17	148	89	450	0.0	400	364	2.5	1	0.0	807	688	270	5	1,100	8.0		
21-88-20aa	340	6-27-64	49	7.7	2.1	311	109	296	13	350	1,080	27	3	0	0.09	2,800	1,400	1,140	8.4	3,000	7.3	
22-99-20db	106	5-21-63	50	10	0.56	192	23	323	2.1	144	1,140	14.0	0.1	1.6	0.08	1,850	572	118	454	5.9	2,300	7.4
12-91-10ba	415	10-2-63	75	9.2	0.13	3.0	0.1	290	1.7	823	25	7.8	4.8	0.9	0.38	719	8	600	0	45	1,140	8.2
12-91-10ba	881	9-28-63	75	10.0	1	2.7	0	486	2.0	823	295	20.0	7.8	0	0.9	1,270	10	1,270	0	47	1,940	8.2
14-92-12a	110	10-2-63	75	5.2	21	34	33	159	4.0	719	1,020	341	1.0	2.0	0.20	2,500	231	960	0	26	3,000	8.2
14-91-10ba	145	9-28-63	75	13.8	0.1	378	182	412	9.2	984	1,440	146	1.0	1.00	1,610	216	1,200	16	1,200	16	2,700	7.4
14-92-7a	400	7-28-58	47	8.6	.....	224	95	437	.....	2,540	390	1.4	4	.....	2,490	900	.....	.....	6.3	3,000	7.8	
19-99-10a	900	7-28-58	53	5.1	.....	2.8	1.0	564	.....	988	342	30	.....	1,450	11	.....	.....	14	2,110	8.5		
19-96-10a	1,000	7-28-58	63	6.9	.....	24	8.8	327	.....	236	533	30	0.7	0.4	1,000	96	.....	14	1,070	7.4		
19-99-10ba	300(7)	7-27-58	51	9.5	.....	41	29	140	.....	290	140	7.0	3	0.8	.....	450	289	.....	8.2	700	7.4	
20-91-10a	300	5-20-62	48	34	61	355	109	53	0	1,170	4.7	7	0	0	0.30	1,740	1,000	0	1,000	7	1,900	4.4
20-99-20ba	1,300	5-4-57	11	21	27	7.2	310	27	540	422	1.5	8	3.6	0.9	966	97	279	0	14	1,480	7.8	
20-94-10ab	1,801	7-28-58	.....	.....	.....	.....	.....	.....	.....	548	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20-97-10a	1,910	8-15-64	64	11	0.6	327	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20-97-20ba	500	7-28-58	65	6.4	.....	31	11	506	1.4	438	770	35	10	1.0	1,260	131	.....	.....	.....	.....	.....	.....
21-95-10bd	93	10-1-63	49	8.5	14	25	8.4	500	3.0	345	718	74	1.3	1.6	1,330	307	283	0	22	2,250	7.5	
21-97-10ba	7,437	.....	.....	.....	.....	.....	.....	.....	.....	444	15	.....	.....	.....	493	.....	.....	.....	.....	.....	.....	.....
22-99-10ba	6,100	9-30-63	59	10	0.7	2.9	2	380	1.5	805	24	78	4.9	0.9	1,921	8	609	0	38	1,000	8.4	
22-99-20aa	195	7-28-58	49	7.3	.....	4.0	1.9	1,027	.....	1,520	229	8.5	5.7	.....	800	.....	.....	.....	.....	.....	.....	.....
22-99-20ba	2,280	10-1-63	47	13	0.5	3.4	1	462	3.4	1,120	319	2.0	5.5	1.1	1,09	1,110	9	918	0	47	1,750	7.6
23-102-10ba	198	9-30-63	46	15	0.30	164.0	51.0	17	561	183.0	7.6	1	0.1	0.07	728	619	460	109	3	1,110	7.1	
24-98-21cd	180	6-20-54	45	7.3	0.0	6.5	6.1	362	3.9	311	524	1.7	1.2	2	1.07	2,100	42	0	24	1,430	8.2	
22-99-20ba	172	5-20-63	48	8.4	0.13	9.3	1.5	232	62	131	373	35	0.4	0.6	0.05	746	29	107	0	19	1,160	7.6
22-91-10ba	Spring	10-1-63	38	9.2	0.1	15.0	1.68	1.3	137	217	1.8	4	0.3	0.08	505	53	129	0	8.8	789	7.4	
22-91-20aa	192	6-15-64	49	8.8	2.1	9	111	0.9	146	84	16	1.0	0.9	0.06	316	11	.....	.....	15	1,300	8.7	
24-96-10ba	2,280	10-1-63	47	13	0.5	3.4	1	462	3.4	1,120	319	2.0	5.5	1.1	1,09	1,110	9	918	0	47	1,750	7.6
24-92-10ba	504	6-9-54	51	12	0.6	1.9	2.6	42	1.2	115	47	5.4	3	1	0.3	388	58	.....	.....	2.4	305	8.3
26-94-10cd	Spring	10-1-63	68	17	0.1	46	5.1	142	4.0	282	159	13	4	7	0.06	578	136	215	0	5.3	889	7.8
22-99-20ba	Spring	10-1-63	57	11	0.05	38	3.9	226	2.6	164	423	8.4	0.4	1.1	0.08	888	111	134	0	9.3	1,200	6.8
13-96-10ba	710	7-11-63	71	14.0	0.05	0.5	0.5	391	0.7	505	279	1.7	1.1	0.1	0.32	1,200	3	400	0	30	1,670	9.0
14-99-10ba	194	8-4-63	38	18.0	1.5	66	45	145	1.4	320	365	4.9	1	0.9	0.06	351	271	80	2.4	1,200	7.5	
15-98-10a	Spring	7-28-58	47	15	.....	44	20	127	.....	305	197	7.0	3	2.0	.....	562	192	.....	.....	3.0	800	7.6
16-99-20d	Spring	7-28-58	58	16	.....	67	37	135	.....	348	307	6.0	2	.....	700	320	.....	.....	4.0	1,000	7.5	
18-98-9b	Spring	7-28-58	.....	8.9	.....	500	385	291	.....	358	1,140	124	.....	1,000	.....	.....	.....	.....	.....	2.8	3,100	12.1
16-104-84da	120	8-9-63	46	19	0.07	113	36	5.1	2.9	288	194	3.5	0.7	0.0	0.65	658	432	236	196	0.2	790	7.6
13-88-20da	15	10-1-63	59	27	0.08	45	11	5.8	1.1</													