

Appendix A.--Chemical analyses of water, in parts per million and equivalents per million (in parentheses), of well waters from the Nevada Test Site and vicinity, by the U.S. Geological Survey--Continued

Aquifer: A, alluvium; Pzca, Paleozoic carbonate rock; Tv, volcanic rock

Well or test hole number	Other number or name	Drainage basin	Analysis number	Well depth (feet)	Aquifer	Date of collection	Temperature (° F)	Silica (SiO <sub>2</sub> )	Aluminum (Al)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Strontium (Sr)	Sodium (Na)	Potassium (K)	Lithium (Li)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Phosphate (PO <sub>4</sub> )	Dissolved solids		Hardness (as CaCO <sub>3</sub> )		Specific conductance in micromhos at 25°C	pH	Sodium-adsorption ratio
																									Residue on evaporation	Calculated	Total	Noncarbonate			
87-62	Test well 1	Forty-mile	4268	3,731	Pzca	6-9-61	-----	20	-----	-----	-----	21 (1.05)	11 (.91)	0.10 (.00)	62 (2.70)	1.7 (.04)	-----	180 (2.95)	0 (.00)	59 (1.23)	13 (.37)	0.1 (.01)	-----	-----	230	278	98	0	463	7.7	2.73
Do---	---do---	---do---	4903	4,206	Pzca	8-11-62	87	19	-----	-----	-----	20 (1.00)	11 (.90)	.48 (.01)	35 (1.52)	3.2 (.08)	.07 (.01)	150 (2.46)	0 (.00)	35 (.73)	8.7 (.25)	1.0 (.05)	.5 (.01)	.00	220	208	96	0	334	7.2	1.55
88-66	Test well 2	Yucca	4808	3,422	Pzca	4-25-62	93	53	.04	.10	.00	22 (1.10)	19 (1.56)	-----	24 (1.04)	5.6 (.14)	.02 (.00)	186 (3.05)	0 (.00)	23 (.48)	7.7 (.22)	.4 (.02)	3.7 (.06)	.00	236	250	133	0	344	7.7	.90
89-68	UE15d	---do---	4627	1,940	Pzca	11-12-61	86	8.5	.97	1.9	.00	45 (2.25)	11 (.91)	-----	98 (4.26)	16 (.41)	.15 (.02)	357 (5.85)	0 (.00)	65 (1.35)	17 (.48)	1.3 (.07)	.7 (.01)	.02	430	438	158	0	715	7.7	3.39
Do---	---do---	---do---	4757	6,001	Pzca	3-27-62	95	17	-----	-----	-----	41 (2.05)	13 (1.07)	-----	96 (4.18)	15 (.38)	.17 (.02)	384 (6.29)	0 (.00)	54 (1.12)	11 (.31)	1.1 (.06)	.2 (.00)	.00	431	436	156	0	720	7.8	3.35
90-67-b	ME-3	---do---	3347	978	Pzca	7-11-59	71	46	.2	.60	.04	25 (1.25)	47 (3.87)	<.2 (.00)	15 (.65)	3.8 (.10)	-----	310 (5.08)	0 (.00)	24 (.50)	5.0 (.14)	.7 (.04)	2.9 (.05)	.00	323	321	256	2	522	7.9	.41
90-74	Water-town 1	Emigrant	2156	670	Tv?	9-18-57	77	84	.0	-----	-----	5.6 (.28)	1.5 (.12)	.0 (.00)	67 (2.91)	8.6 (.22)	-----	175 (2.87)	0 (.00)	18 (.38)	6.0 (.17)	2.0 (.10)	1.8 (.03)	.20	274	280	20	0	341	8.0	6.52
Do---	---do---	---do---	2514	670	Tv	4-25-58	73	86	.2	1.6	.00	4.8 (.24)	2.4 (.20)	<.1 (.00)	68 (2.96)	8.8 (.23)	-----	177 (2.90)	0 (.00)	22 (.46)	6.0 (.17)	2.0 (.11)	.0 (.00)	.15	262	287	22	0	342	8.2	6.31
90-75	Water-town 2	---do---	2153	1,091	Tv	8-18-57	84	90	.0	.18	.00	5.6 (.28)	1.2 (.10)	.0 (.00)	86 (3.74)	9.2 (.24)	-----	215 (3.52)	2 (.07)	19 (.40)	6.0 (.17)	2.0 (.11)	2.1 (.03)	.50	318	329	19	0	412	8.3	8.58
Do---	---do---	---do---	2513	1,091	Tv	4-25-58	82	81	.0	1.1	.00	4.8 (.24)	1.9 (.16)	<.1 (.00)	86 (3.74)	9.0 (.23)	-----	204 (3.34)	8 (.27)	22 (.46)	7.0 (.20)	1.6 (.08)	.0 (.00)	.29	303	321	20	0	405	8.5	8.37
91-74	Water-town 3	---do---	3552	375	A	11-25-59	72	78	.0	.43	.00	16 (.80)	2.9 (.24)	-----	56 (2.44)	5.6 (.14)	-----	170 (2.79)	0 (.00)	25 (.52)	8.0 (.23)	1.0 (.05)	1.4 (.02)	.00	279	278	52	0	345	7.8	3.38