

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 ₂)	Aluminum (Al)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Strontium (Sr)	Sodium (Na)	Potassium (K)	Lithium (Li)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness (as CaCO ₃)		Specific conductance in micromhos at 25°C	pH	Sodium-adsorption ratio
																									Residue on evaporation	Calculated	Total	Noncarbonate			
74-70-a	Well 5B	Frenchman	2167	890	A	9-18-57	81	16	-----	-----	-----	5.6 (.28)	1.0 (.03)	0.0 (.00)	102 (4.44)	10 (.26)	-----	155 (2.54)	15 (.50)	59 (1.23)	24 (.68)	0.9 (.05)	2.6 (.04)	0.00	303	312	18	0	510	9.0	10.47
Do---	--do--	--do--	2441	890	A	3-24-58	77	61	-----	-----	-----	8.0 (.40)	1.9 (.16)	<.1 (.00)	96 (4.18)	11 (.28)	-----	166 (2.72)	5 (.17)	60 (1.25)	23 (.65)	.8 (.04)	11 (.18)	.00	326	360	28	0	512	8.4	7.90
Do---	--do--	--do--	4811	890	A	4-25-62	77	62	.00	.00	.00	9.0 (.45)	2.2 (.13)	-----	95 (4.13)	10 (.26)	.05 (.01)	163 (2.67)	6 (.20)	57 (1.19)	22 (.62)	.7 (.04)	8.5 (.14)	.00	349	353	32	0	483	8.3	7.31
74-70-b	Well 5C	--do--	1839	1,189	A	4- ?-57	----	56	.1	.08	.00	3.2 (.16)	.1 (.01)	.0 (.00)	126 (5.48)	5.4 (.14)	-----	266 (4.36)	16 (.53)	25 (.52)	10 (.28)	.7 (.04)	6.1 (.10)	.25	368	380	8	0	543	8.7	18.77
Do---	--do--	--do--	2165	1,189	A	9-18-57	80	55	.1	.01	.00	1.8 (.09)	.7 (.06)	.2 (.00)	128 (5.57)	5.6 (.14)	-----	263 (4.31)	16 (.53)	24 (.50)	9.0 (.25)	.7 (.04)	6.9 (.11)	.15	371	377	8	0	542	8.8	20.32
Do---	--do--	--do--	2444	1,189	A	3-24-58	----	58	.1	.11	.00	2.4 (.12)	.5 (.04)	<.1 (.00)	130 (5.66)	6.8 (.17)	-----	262 (4.29)	21 (.70)	26 (.54)	8.0 (.23)	.8 (.04)	7.2 (.12)	.05	354	389	8	0	557	8.8	20.00
Do---	--do--	--do--	2993	1,189	A	12- 9-58	72	59	.4	.11	.00	1.6 (.08)	1.0 (.08)	.4 (.01)	126 (5.48)	5.8 (.15)	-----	265 (4.34)	14 (.47)	24 (.50)	10 (.28)	.6 (.03)	5.0 (.08)	.14	366	377	8	0	538	8.5	19.36
Do---	--do--	--do--	4812	1,189	A	4-25-62	75	53	.08	.00	.00	3.1 (.15)	.5 (.04)	-----	128 (5.57)	5.6 (.14)	.02 (.00)	258 (4.23)	17 (.57)	25 (.52)	8.9 (.25)	.7 (.04)	5.8 (.09)	.00	370	373	10	0	521	8.7	18.08
75-73	Test well 3	Frenchman	4843	1,853	Pzca	5-10-62	100	24	.03	.00	-----	51 (2.54)	21 (1.73)	-----	83 (3.61)	7.6 (.19)	.12 (.02)	328 (5.38)	0 (.00)	84 (1.75)	23 (.65)	1.5 (.08)	.9 (.01)	.00	444	457	214	0	710	7.3	2.47
79-69-a	Test well C	Yucca	4475	1,701	Pzca	9- 1-61	98	30	.3	1.0	.00	74 (3.69)	27 (2.22)	-----	142 (6.18)	15 (.38)	-----	577 (9.46)	0 (.00)	71 (1.48)	34 (.96)	.9 (.05)	1.0 (.02)	.07	624	679	296	0	1,080	7.0	3.62
Do---	--do--	--do--	4667	1,701	Pzca	1-19-62	97	30	.00	.00	.00	70 (3.49)	19 (1.56)	-----	130 (5.65)	12 (.31)	.35 (.05)	560 (9.18)	0 (.00)	75 (1.56)	23 (.65)	.3 (.01)	.1 (.00)	.00	633	635	253	0	1,050	7.2	3.52
Do---	--do--	--do--	4806	1,701	Pzca	4-25-62	98	33	.13	.10	.00	80 (3.99)	27 (2.25)	.21 (.00)	128 (5.57)	13 (.33)	.32 (.05)	576 (9.44)	0 (.00)	63 (1.31)	34 (.96)	.9 (.05)	.2 (.00)	.00	674	658	312	0	995	7.2	3.15
79-69-b	Well C-1	--do--	4957	1,707	Pzca	10-10-62	98	27	.00	.00	.00	17 (.83)	28 (.30)	.84 (.02)	126 (5.48)	15 (.38)	.34 (.05)	386 (6.33)	6 (.20)	61 (1.27)	35 (.99)	.9 (.05)	.0 (.00)	.00	482	506	158	0	831	8.3	4.37