

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			
73-58	Well J-12	Jack-ass	4756	887	Tv	3-31-62	77	60	0.13	0.10	0.00	14 (.70)	2.5 (.21)	-----	39 (1.70)	6.0 (.15)	0.00 (.00)	119 (1.95)	0 (.00)	19 (.40)	8.8 (.25)	1.2 (.06)	7.7 (.12)	0.12	197	216	45	0	252	8.0	2.53
73-61	Well J-11	--do--	2166	1,327	Tv	9-18-57	92	67	.1	.26	.00	85 (4.24)	14 (1.15)	.0 (.00)	157 (6.83)	16 (.41)	-----	102 (1.67)	0 (.00)	484 (10.08)	20 (.56)	.9 (.05)	7.4 (.12)	.00	893	901	270	186	1,210	7.8	4.16
Do--	--do--	--do--	2516	1,329	Tv	4-24-58	96	67	.1	.57	.00	84 (4.19)	13 (1.07)	-----	154 (6.70)	16 (.41)	-----	104 (1.70)	0 (.00)	479 (9.97)	18 (.51)	1.0 (.05)	5.8 (.09)	.00	882	889	263	178	1,200	8.0	4.13
Do--	--do--	--do--	3009	1,329	Tv	12-16-58	96	68	.1	.13	.00	82 (4.09)	13 (1.07)	<.2 (.00)	143 (6.22)	15 (.38)	-----	102 (1.67)	0 (.00)	449 (9.35)	18 (.51)	1.1 (.06)	8.0 (.13)	.00	883	847	258	174	1,180	7.6	3.86
73-66	Test well F	Rock	4234	1,700	Tv	5-30-61	72	32	----	-----	-----	13 (.65)	1.0 (.08)	.14 (.00)	99 (4.31)	6.4 (.16)	-----	199 (3.26)	-----	34 (.71)	32 (.90)	.4 (.02)	11 (.18)	.26	330	327	37	0	492	7.3	22.57
Do--	--do--	--do--	4866	3,400	Pzca	6-17-62	148	31	----	-----	-----	68 (3.39)	30 (2.47)	.9 (.02)	63 (2.74)	9.6 (.25)	.11 (.02)	278 (4.56)	0 (.00)	181 (3.77)	11 (.31)	2.4 (.13)	.0 (.00)	.00	536	534	293	65	751	7.3	1.60
73-70	Well 5A	Frenchman	1837	894	Tv	4-4-57	----	58	.1	.03	.00	3.2 (.16)	.0 (.00)	.0 (.00)	160 (6.96)	6.2 (.16)	-----	346 (5.67)	18 (.60)	25 (.52)	12 (.34)	2.2 (.12)	4.8 (.08)	.30	456	459	8	0	677	8.6	24.59
Do--	--do--	--do--	2154	894	Tv	9-18-57	71	57	.0	.03	.00	1.8 (.09)	.5 (.04)	.0 (.00)	158 (6.87)	5.8 (.15)	-----	341 (5.59)	20 (.67)	25 (.52)	9.7 (.25)	1.6 (.08)	4.6 (.07)	.30	449	450	6	0	676	8.8	27.48
Do--	--do--	--do--	2511	894	Tv	4-24-58	74	67	.1	.00	.00	1.6 (.08)	1.0 (.08)	<.1 (.00)	165 (7.18)	6.6 (.17)	-----	336 (5.51)	26 (.87)	30 (.62)	9.7 (.25)	1.8 (.09)	3.2 (.05)	.24	445	476	8	0	682	8.9	25.37
Do--	--do--	--do--	3066	894	Tv	2-4-59	73	58	.3	.08	.00	2.4 (.12)	.0 (.00)	-----	158 (6.87)	6.0 (.15)	-----	344 (5.64)	14 (.47)	24 (.50)	9.7 (.25)	1.8 (.09)	4.6 (.07)	.14	458	447	6	0	677	8.6	28.04
Do--	--do--	--do--	4809	894	Tv	4-25-62	74	49	.25	.13	.00	1.8 (.09)	.9 (.07)	-----	163 (7.09)	5.6 (.14)	.00 (.00)	345 (5.65)	16 (.53)	27 (.56)	11 (.31)	2.0 (.11)	5.8 (.09)	.0	440	453	8	0	659	8.7	25.05
74-58	Test well 6	Jack-ass	5027	3,490	Tv	1-1-63	87	57	.03	.16	.24	14 (.70)	2.4 (.20)	.10 (.00)	46 (2.00)	6.6 (.17)	.04 (.01)	124 (2.03)	0 (.00)	25 (.52)	8.4 (.24)	2.0 (.11)	5.6 (.09)	.12	242	229	45	0	285	7.0	2.98
74-70-a	Well 5B	Frenchman	1838	890	A	4-4-57	----	64	.1	.01	.00	8.0 (.40)	1.5 (.12)	.0 (.00)	96 (4.18)	11 (.28)	-----	168 (2.75)	5 (.17)	55 (1.14)	25 (.70)	.8 (.04)	11 (.18)	.15	356	360	26	0	501	8.4	8.19