

## 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; P<sub>2</sub>ca, 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			
81-67	Water well 3	Yucca	1836	1,799	Tv	4- 4-57	-----	74	0.1	0.01	0.00	22 (1.10)	12 (.99)	0.2 (.00)	40 (1.74)	7.4 (.19)	-----	192 (3.15)	0 (.00)	22 (.46)	8.0 (.23)	0.9 (.05)	7.1 (.12)	0.20	274	287	104	0	421	7.8	1.71
Do---	--do--	--do--	2155	1,799	Tv	9-18-57	71	74	.0	.01	-----	19 (.95)	13 (1.07)	.0 (.00)	39 (1.70)	7.4 (.19)	-----	194 (3.18)	0 (.00)	21 (.44)	6.0 (.17)	.9 (.05)	6.9 (.11)	.10	275	282	101	0	379	8.0	1.70
Do---	--do--	--do--	2442	1,799	Tv	3-24-58	73	66	-----	2.5	.00	21 (1.05)	12 (.99)	<.1 (.00)	40 (1.74)	7.4 (.19)	-----	196 (3.21)	0 (.00)	22 (.46)	5.0 (.14)	.9 (.05)	5.8 (.09)	.00	268	276	102	0	368	8.1	1.72
Do---	--do--	--do--	2986	1,799	Tv	12-2 -58	-----	72	.1	.09	.00	19 (.95)	14 (1.15)	<.1 (.00)	37 (1.61)	7.4 (.19)	-----	190 (3.11)	0 (.00)	21 (.44)	5.0 (.14)	.9 (.05)	6.1 (.10)	.00	268	275	105	0	386	7.8	1.57
Do---	--do--	--do--	4645	1,799	Tv	12-19-61	76	76	.27	.00	.00	20 (1.00)	11 (.90)	-----	39 (1.70)	7.6 (.19)	.00 (.00)	189 (3.10)	0 (.00)	23 (.48)	6.5 (.18)	.9 (.05)	7.4 (.12)	.12	254	285	95	0	376	7.5	1.74
Do---	--do--	--do--	4807	1,799	Tv	4-25-62	72	26	.03	.13	.00	20 (.97)	12 (1.02)	.21 (.00)	38 (1.65)	7.2 (.18)	.05 (.01)	195 (3.19)	0 (.00)	22 (.46)	6.4 (.18)	.9 (.05)	6.1 (.10)	.00	278	234	100	0	352	7.8	1.70
83-68	Test well A	--do--	3871	1,870	A	9-21-60	79	62	-----	-----	-----	28 (1.38)	4.6 (.38)	-----	51 (2.22)	8.7 (.22)	-----	212 (3.48)	0 (.00)	18 (.38)	6.0 (.17)	.6 (.03)	3.8 (.06)	-----	301	300	88	0	382	7.6	2.36
Do---	--do--	--do--	4810	1,870	A	4-25-61	81	81	.08	.00	-----	22 (1.10)	7.4 (.53)	-----	53 (2.26)	8.8 (.23)	.02 (.00)	206 (3.38)	0 (.00)	21 (.44)	6.5 (.18)	.5 (.03)	4.9 (.08)	.00	296	306	82	0	382	8.0	2.50
Do---	--do--	--do--	4646	1,870	A	12-19-61	79	82	-----	-----	-----	22 (1.10)	6.5 (.53)	-----	50 (2.18)	8.4 (.21)	.00 (.00)	207 (3.39)	0 (.00)	23 (.48)	6.0 (.17)	.5 (.03)	5.7 (.09)	.15	284	306	82	0	394	7.6	2.41
84-68	Test hole 7	--do--	2329	2,272	Tv	2- 4-58	69	1.4	-----	-----	.00	1.0 (.05)	.2 (.62)	<.1 (.00)	113 (4.92)	4.6 (.12)	-----	286 (4.69)	0 (.00)	2.1 (.04)	8 (.23)	2.4 (.13)	.0 (.00)	.00	289	266	4	0	466	7.3	26.31
84-69	Test well E	--do--	3762	1,875	Tv	7-31-60	108	61	-----	-----	-----	1.6 (.08)	.0 (.00)	-----	81 (3.52)	2.6 (.07)	-----	187 (3.06)	0 (.00)	16 (.33)	6.0 (.17)	.6 (.03)	2.5 (.04)	.72	287	263	4	0	358	9.0	17.62
87-62	Test well 1	Forty-mile	3883	560	Tv	10- 1-60	-----	39	-----	-----	-----	2.0 (.10)	0 (.00)	-----	36 (1.57)	1.0 (.03)	-----	82 (1.34)	0 (.00)	11 (.23)	7.0 (.20)	.6 (.03)	1.9 (.03)	-----	240	151	5	0	177	7.6	6.99
Do---	--do--	--do--	3949	1,107	Tv	10-20-60	60	38	-----	-----	-----	4.0 (.20)	.0 (.00)	-----	36 (1.57)	6.5 (.17)	-----	78 (1.28)	0 (.00)	12 (.25)	6.5 (.18)	.9 (.05)	2.1 (.03)	-----	356	150	10	0	165	7.5	4.96