

## 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			
66-52	16S/48-17abb	Amar-gosa	4916	280	A	8-18-62	75	75	-----	-----	-----	60 (2.99)	7.8 (.64)	0.6 (.01)	157 (6.83)	12 (.31)	0.20 (.03)	302 (4.95)	0 (.00)	179 (3.73)	69 (1.95)	1.2 (.06)	1.2 (.02)	0.00	800	711	182	0	1,074	7.4	5.06
66-56	16S/49-9caa	--do--	4913	300	?	8-19-62	75	56	.30	.00	.00	28 (1.40)	3.4 (.28)	.9 (.02)	46 (2.00)	7.6 (.19)	.06 (.01)	142 (2.33)	0 (.00)	53 (1.10)	10 (.28)	.7 (.04)	3.3 (.05)	.00	310	278	85	0	383	7.2	2.17
66-58	16S/50-7cba1	--do--	4919	200	A	8-18-62	-----	31	.29	.88	.05	51 (2.54)	18 (1.48)	1.2 (.03)	103 (4.48)	13 (.33)	.14 (.02)	288 (4.72)	0 (.00)	143 (2.98)	30 (.85)	4.0 (.21)	.7 (.01)	.00	581	539	203	0	821	7.7	3.13
66-75	Test well 4	Indian Spring	4941	1,490	Pzca	9-13-62	78	20	.12	.03	.00	34 (1.70)	17 (1.40)	.16 (.00)	13 (.57)	2.5 (.00)	.03 (.00)	197 (3.23)	0 (.00)	17 (.55)	6.1 (.17)	.0 (.00)	4.7 (.08)	.00	225	212	155	0	337	7.5	.46
66-77	16S/55-1/2-11ad	--do--	2160	-----	A	9-14-57	-----	18	.2	.03	.00	41 (2.05)	21 (1.73)	.0 (.00)	5.0 (.22)	1.2 (.03)	-----	220 (3.61)	0 (.00)	13 (.27)	5.0 (.14)	.1 (.00)	2.6 (.04)	.10	207	215	189	8	371	7.8	.16
Do--	--do--	--do--	3256	400	?	5-21-59	70	18	.2	.06	.00	40 (2.0)	22 (1.81)	<.2 (.00)	5.2 (.23)	.8 (.02)	-----	216 (3.54)	0 (.00)	12 (.25)	5.0 (.14)	.3 (.02)	1.8 (.03)	.00	205	211	190	13	372	7.6	.16
67-68	Army 1	Mercury	4888	1,953	Pzca	7-10-62	92	21	-----	-----	-----	47 (2.35)	21 (1.73)	.40 (.01)	37 (1.61)	5.2 (.13)	.00 (.00)	256 (4.20)	0 (.00)	53 (1.10)	16 (.45)	.9 (.05)	1.2 (.02)	.16	330	329	204	0	544	7.1	1.12
Do--	--do--	--do--	4889	1,953	Pzca	7-15-62	89	20	-----	-----	-----	46 (2.30)	21 (1.73)	.80 (.02)	38 (1.65)	4.9 (.13)	.00 (.00)	254 (4.16)	0 (.00)	58 (1.21)	17 (.48)	.9 (.05)	1.4 (.02)	.00	332	333	202	0	483	7.5	1.16
68-58	15S/50-19	Amar-gosa	2507	360	A	4-26-58	-----	43	.2	.06	.00	19 (.95)	4.9 (.40)	-----	112 (4.87)	6.0 (.15)	-----	173 (2.84)	0 (.00)	133 (2.77)	17 (.48)	1.4 (.07)	6.1 (.10)	.00	413	427	68	0	623	8.2	5.30
Do--	--do--	--do--	3314	360	A	6-26-59	75	45	.0	.67	.00	21 (1.05)	2.9 (.24)	<.2 (.00)	103 (4.48)	6.0 (.15)	-----	162 (2.66)	0 (.00)	122 (2.54)	18 (.51)	1.4 (.07)	6.9 (.11)	.00	408	406	64	0	863	7.9	5.56
69-57	15S/49-14aa1	--do--	2515	570	A	4-24-58	82	52	.1	.09	.00	25 (1.25)	2.4 (.20)	-----	41 (1.78)	5.2 (.13)	-----	145 (2.38)	0 (.00)	33 (.69)	8.0 (.23)	1.4 (.07)	35 (.06)	.00	233	242	72	0	336	8.0	1.82
73-58	Well J-12	Jack-ass	2508	887	Tv	4-25-58	-----	26	-----	-----	-----	9.6 (.48)	1.9 (.16)	-----	46 (2.00)	5.2 (.13)	-----	121 (1.98)	0 (.00)	24 (.50)	7.0 (.20)	1.8 (.10)	.0 (.00)	.00	169	182	32	0	266	8.2	3.54
Do--	--do--	--do--	3122	887	Tv	2-19-59	-----	49	-----	-----	-----	14 (.70)	1.5 (.12)	<.2 (.00)	42 (1.83)	4.4 (.11)	-----	118 (1.93)	0 (.00)	24 (.50)	8.0 (.23)	1.8 (.10)	.7 (.01)	.00	206	203	41	0	276	7.4	2.85