

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

Aquifer: A, alluvium; P₂ca, 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			
55-59	25N/6-20ccc	Amar-gosa	4923	8	?	8-18-62	68	28	0.43	0.03	0.00	1.2 (.06)	1.4 (.12)	4.2 (.10)	1,060 (46.11)	88 (2.25)	0.10 (.01)	712 (11.67)	64 (2.13)	297 (6.18)	1,050 (29.62)	7.0 (.37)	0.2 (.00)	0.32	2,891	2,952	14	0	4,730	8.6	123
56-58	25N/6-18aac	---do---	4911	27	?	---do---	67	64	.12	.1	.00	4.8 (.24)	3.3 (.27)	.5 (.01)	370 (16.10)	16 (.41)	.3 (.04)	542 (8.88)	0 (.00)	256 (5.33)	102 (2.88)	3.2 (.17)	.5 (.01)	.00	1,119	1,088	26	0	3,241	7.9	31.6
59-62	18S/51-7cbc	---do---	4931	----	?	8-22-62	83	23	.28	.13	.00	52 (2.59)	20 (1.65)	1.1 (.03)	69 (3.02)	8.4 (.21)	.10 (.01)	298 (4.88)	0 (.00)	79 (1.64)	23 (.65)	1.2 (.06)	1.2 (.02)	.00	446	425	214	0	680	7.4	2.07
61-53	27N/4-27bbb	---do---	4917	300	A	8-18-62	72	72	.14	.10	.00	58 (2.89)	19 (1.56)	.6 (.01)	134 (5.83)	19 (.49)	.14 (.02)	438 (7.18)	0 (.00)	107 (2.23)	32 (.90)	3.6 (.19)	.2 (.00)	.00	640	661	223	0	943	7.3	3.90
61-59	17S/50-29daa	---do---	4914	471	A	8-18-62	67	67	.00	.10	.00	2.8 (.14)	2.9 (.24)	7.7 (.18)	250 (10.88)	15 (.38)	.14 (.02)	494 (8.10)	0 (.00)	105 (2.19)	26 (.73)	3.2 (.17)	.0 (.00)	.00	733	723	28	0	1,067	7.6	27.6
62-60	17S/50-15aca	---do---	4924	464	A	---do---	67	23	.12	.16	.00	50 (2.50)	20 (1.65)	.8 (.02)	67 (2.91)	9.2 (.24)	.10 (.01)	305 (5.0)	0 (.00)	79 (1.64)	23 (.65)	1.2 (.06)	.9 (.01)	.00	447	424	209	0	665	7.6	2.02
63-64a	17S/52-8	---do---	2512	235	A ?	4-27-58	82	18	-----	-----	-----	34 (1.7)	22 (1.8)	-----	61 (2.65)	7.2 (.18)	-----	274 (4.49)	0 (.00)	63 (1.31)	21 (.59)	1.1 (.06)	.0	.00	342	362	176	0	595	8.0	2.0
64-54	16S/48-36dcc	---do---	4912	658	A	8-18-62	----	74	.22	.03	.00	40 (2.00)	8.6 (.71)	.7 (.02)	98 (4.26)	11 (.28)	.10 (.01)	278 (4.56)	0 (.00)	43 (.90)	29 (.82)	2.3 (.15)	7.8 (.13)	.00	506	453	137	0	670	7.6	3.64
64-57	16S/49-35baa	---do---	4918	325	A	8-18-62	76	34	.60	.03	.00	50 (2.50)	17 (1.40)	1.0 (.02)	106 (4.61)	12 (.31)	.18 (.03)	286 (4.69)	0 (.00)	145 (3.02)	29 (.82)	4.4 (.23)	.5 (.01)	.00	545	541	196	0	796	7.3	3.38
64-64	White	---do---	4104	135	A	1-10-61	73	18	.2	.00	.00	39 (1.95)	20 (1.64)	-----	69 (3.00)	10 (.26)	-----	350 (5.74)	0 (.00)	53 (1.10)	6.0 (.17)	.6 (.03)	.0 (.00)	.32	372	388	180	0	607	7.2	2.24
65-53	16S/48-23bdb	---do---	4915	330	?	8-19-62	75	74	.57	1.1	.00	9.4 (.47)	1.0 (.08)	1.8 (.04)	66 (2.87)	6.8 (.17)	.06 (.01)	156 (2.56)	0 (.00)	27 (.56)	8.8 (.25)	2.0 (.11)	3.1 (.05)	.00	294	279	30	0	346	7.3	5.32
65-73	Army 2 Indian Spring	---	4192	658	A	5-3-61	----	14	-----	-----	-----	35 (1.75)	23 (1.89)	-----	5.6 (.24)	1.2 (.03)	-----	204 (3.34)	0 (.00)	12 (.31)	5.0 (.14)	.0 (.00)	3.6 (.06)	.02	208	203	182	15	377	7.8	.18
65-76	Army 3	---do---	3040	826	A	1-28-59	----	6.6	-----	-----	-----	27 (1.35)	21 (1.73)	-----	6.8 (.30)	1.4 (.04)	-----	186 (3.05)	0 (.00)	11 (.23)	6.0 (.17)	.1 (.00)	.2 (.00)	.00	205	171	154	1	321	7.9	.24