

1998 Water Quality Report for the Horizon Hills Water Service Area

Water served to Horizon Hills customers is groundwater supplied by one well. The well water exceeds the standards for iron and manganese, however, there is a treatment system in place so the levels of these elements are reduced in the distribution system. The average distribution results are listed. We are working towards connecting Horizon Hills to a new source of water which will have better water quality.

Analysis results are reported in parts per million (ppm) unless specified. To put this in perspective one part per million equals:

- * One cent in ten thousand dollars
- * One minute in two years

The term Maximum Contaminant Level, or "MCL", refers to the highest reading allowed by State law, minimizing health risks. The term Maximum Contaminant Level Goal, or "MCLG", refers to the level of a contaminant in drinking water which there is no known or expected risk to health.

We are pleased to report that your water meets or exceeds all standards set for quality and safety.

Microbiological	MCL	MCLG	Horizon Hills Well	System Average
coliform bacteria	<5% Positive	0% Positive	0% Positive	0% Positive

Primary Standards: Mandatory health related standards established by the State of Nevada, Health Protection Services

Constituents	MCL (ppm)	MCLG	Horizon Hills Well	System Average
Antimony	0.006	0.006	<0.001	<0.001
Arsenic	0.05	0.05	<0.003	<0.003
Barium	2	2	0.02	0.02
Beryllium	0.004	0.004	<0.001	<0.001
Cadmium	0.005	0.005	<0.001	<0.001
Chromium	0.1	0.1	<0.005	<0.005
Cyanide	0.2	0.2	<0.01	<0.01
Fluoride	4	4	0.14	0.16
Mercury	0.002	0.002	<0.0005	<0.0005
Nickel	0.1	0.1	<0.005	<0.005
Nitrate (as N)	10	10	0	0
Nitrite (as N)	1	1	<0.01	<0.01
Selenium	0.05	0.05	<0.001	<0.001
Thallium	0.002	0.0005	<0.0005	<0.0005

Secondary Standards: Aesthetic standards established by the State of Nevada, Health Protection Services

Constituents	MCL (ppm)	MCLG	Horizon Hills Well	System Average
Chloride	400	400	2	3.5
Color	15	15	3	3
Copper	1	1	0	0
Fluoride	2	2	0.14	0.16
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.1
Iron	0.6	0.6	1.47	0.06
Magnesium	150	150	28	28
Manganese	0.1	0.1	0.33	0.08
pH*	6.5 to 8.5	6.5 to 8.5	7.50	7.54
Sulfate	500	500	178	180
Zinc	5	5	0	0.02
Total Dissolved Solids (TDS)	1000	1000	384	384

Additional Constituents Analyzed

Hardness	No Standard	No Standard	263	262
Calcium	No Standard	No Standard	59	59
Potassium	No Standard	No Standard	2	2
Sodium	No Standard	No Standard	24	24
Silica	No Standard	No Standard	34	34

*Color and pH are measured in standard color and pH units

The symbol "<" means less than

Synthetic Organic Chemicals (SOCs) - are man made organic chemicals such as pesticides and herbicides

	MCL (ppm)	MCLG	Horizon Hills Well
Phase II			ND = Not Detected
Alachlor	0.002	zero	ND
Aldicarb	0.003	zero	ND
Aldicarb sulfoxide	0.004	zero	ND
Aldicarb sulfone	0.002	zero	ND
Atrazine	0.003	0.003	ND
Carbofuran	0.04	0.04	ND
Chlordane	0.002	zero	ND
Dibromochloropropane	0.0002	zero	ND
2, 4-D	0.07	0.07	ND
Ethylene dibromide	0.00005	zero	ND
Heptachlor	0.0004	zero	ND
Heptachlor epoxide	0.0002	zero	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.04	ND
Polychlorinated biphenyls (PCBs)	0.0005	zero	ND
Pentachlorophenol	0.001	zero	ND
Toxaphene	0.003	zero	ND
2, 4, 5-TP	0.05	0.05	ND
Phase V			
Benzo[a]pyrene	0.0002	zero	ND
Dalapon	0.2	0.2	ND
Bis (2-ethylhexyl) adipate	0.4	0.4	ND
Bis (2-ethylhexyl) phthalate	0.006	zero	ND
Dinoseb	0.007	0.007	ND
Diquat	0.02	0.02	ND
Endothall	0.1	0.1	ND
Endrin	0.002	0.002	ND
Glyphosate	0.7	0.7	ND
Hexchlorobenzene	0.001	zero	ND
Hexachlorocyclopentadiene	0.05	0.05	ND
Oxamyl (Vydate)	0.2	0.2	ND
Picloram	0.5	0.5	ND
Simazine	0.004	0.004	ND
2, 3, 7, 8-TCDD (Dioxin)	0.00000003	zero	ND
Aldrin	Unregulated	zero	ND
Butachlor	Unregulated	zero	ND
Carbaryl	Unregulated	zero	ND
Dicamba	Unregulated	zero	ND
Dieldrin	Unregulated	zero	ND
3-Hydroxycarbofuran	Unregulated	zero	ND
Methomyl	Unregulated	zero	ND
Metolachlor	Unregulated	zero	ND
Metribuzin	Unregulated	zero	ND
Propachlor	Unregulated	zero	ND
Radioactivity			
	MCL	MCLG	Horizon Hills Well
Gross Alpha*	15	zero	<3

*Radioactivity is measured in units of pico Curies per liter (pCi/l)

Volatile Organic Chemicals (VOCs) - are organic chemicals, which evaporate easily. These include common industrial solvents such as Trichloroethylene.

	MCL (ppm)	MCLG	Horizon Hills Well
Benzene	0.005	zero	ND
Carbon tetrachloride	0.005	zero	ND
o-Dichlorobenzene	0.6	0.6	ND
1, 2-Dichloroethane	0.005	zero	ND
para-Dichlorobenzene	0.075	0.075	ND
Trichloroethylene (TCE)	0.005	zero	ND
Ethylbenzene	0.7	0.7	ND
Vinyl chloride	0.002	zero	ND
1,1-Dichloroethylene	0.007	0.007	ND
1,1,1-Trichloroethane	0.2	0.2	ND
cis-1,2-Dichloroethylene	0.07	0.07	ND
1,2-Dichloropropane	0.005	zero	ND
Monochlorobenzene	0.1	0.1	ND
Styrene	0.1	0.1	ND
Tetrachloroethylene (PCE)	0.005	0.005	ND
Toluene	1	1	ND
trans-1,2-Dichloroethylene	0.1	0.1	ND
Xylenes (Total)	10	10	ND
Dichloromethane	0.005	zero	ND
1,1,2-Trichloroethane	0.005	0.003	ND
1,2,4-Trichlorobenzene	0.07	0.07	ND
Bromobenzene	Unregulated	zero	ND
Bromoform*	Unregulated	zero	ND
Bromodichloromethane*	Unregulated	zero	ND
Chloroform*	Unregulated	zero	ND
Chlorodibromomethane*	Unregulated	zero	ND
Bromomethane	Unregulated	zero	ND
Chloroethane	Unregulated	zero	ND
Chloromethane	Unregulated	zero	ND
o-Chlorotoluene	Unregulated	zero	ND
p-Chlorotoluene	Unregulated	zero	ND
Dibromomethane	Unregulated	zero	ND
m-Dichlorobenzene	Unregulated	zero	ND
1,1-Dichloroethane	Unregulated	zero	ND
1,1-Dichloropropene	Unregulated	zero	ND
1,3-Dichloropropane	Unregulated	zero	ND
e,z-1,3 Dichloropropane	Unregulated	zero	ND
2,2-Dichloropropane	Unregulated	zero	ND
1,1,1,2-Tetrachloroethane	Unregulated	zero	ND
1,1,2,2-Tetrachloroethane	Unregulated	zero	ND
1,2,3-Trichloropropane	Unregulated	zero	ND
1, 3-Dichloropropene	Unregulated	zero	ND

*The sum of these four constituents composes total trihalomethanes. The MCL for total trihalomethanes is 0.10 ppm

How can I get more information about this water quality report?

For more information please call our water quality section at 954-4600

The presence of contaminants in drinking water does not necessarily indicate that the drinking water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency "hot-line" at 1-800-426-4791