

JORDAN VALLEY WATER CONSERVANCY DISTRICT
Consumer Confidence Report Data
2008

Report: B

The table below lists all of the drinking water contaminants detected by Jordan Valley Water Conservancy District or its suppliers during the calendar year of this report. This table does not include many other tests we conducted, because those results were below detection limits. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of this report. For certain contaminants, EPA and/or the State requires monitoring at a frequency less than once per year because the concentrations of these contaminants do not change frequently.

Contaminant	Units	2008 Average	2008 Maximum	2008 Minimum	Monitoring Criteria			Last Sampled	Comments/Likely Source
					MCL	MCLG	Exceed		
PRIMARY INORGANICS									
Arsenic	mg/L	0.002	0.003	0.001	0.010	0	No	2008	Erosion of naturally occurring deposits and runoff from orchards.
Barium	mg/L	0.0	0.1	0.0	2.0	2.0	No	2008	Erosion of naturally occurring deposits.
Fluoride	mg/L	0.9	1.2	0.2	4.0	4.0	No	2008	Erosion of naturally occurring deposits and discharges from fertilizers. Fluoride added at source.
Nitrate	mg/L	0.6	1.5	0.1	10.0	10.0	No	2008	Runoff from fertilizer, leaching from septic tanks, and naturally occurring organic material.
Selenium	mg/L	0.0026	0.0070	0.0000	0.05	0.05	No	2008	Erosion of naturally occurring deposits.
Sodium	mg/L	12.2	13.9	10.3	NE	NE	No	2008	Erosion of naturally occurring deposits and runoff from road deicing.
Sulfate	mg/L	43.0	56.7	33.9	1000	NE	No	2008	Erosion of naturally occurring deposits.
TDS	mg/L	220	296	172	2000	NE	No	2008	Erosion of naturally occurring deposits.
Turbidity (groundwater and surface water)	NTU	0.04	0.52	0.02	0.3/5.0	TT	No	2008	*MCL is 0.3 for surface water and 5.0 for groundwater. Suspended material from soil runoff.
Lowest Monthly % Meeting TT	%	100% (Treatment Technique requirement applies only to treated surface water sources)							
SECONDARY INORGANICS - Aesthetic Standards									
Aluminum	mg/L	0.04	0.11	0.00	0.05 - 0.2	NE	No	2008	Erosion of naturally occurring deposits and treatment residuals.
Chloride	mg/L	17	24	14	250	NE	No	2008	Erosion of naturally occurring deposits.
Color	CU	3	5	0	15	NE	No	2008	Decaying naturally occurring organic material and suspended particles.
pH		7.7	8.3	6.6	6.5 - 8.5	NE	No	2008	Naturally occurring.
UNREGULATED PARAMETERS - monitoring not required									
Alkalinity, Bicarbonate	mg/L	160	190	130	UR	NE	No	2008	Naturally occurring.
Alkalinity, Total (CaCO ₃)	mg/L	130	166	15	UR	NE	No	2008	Naturally occurring.
Bromide	mg/L	0.0000	0.0170	0.0000	UR	NE	No	2008	Naturally occurring.
Carbon Dioxide	mg/L	130	150	110	UR	NE	No	2005	Naturally occurring.
Calcium	mg/L	100	253	15	UR	NE	No	2008	Erosion of naturally occurring deposits.
Conductance	umhos/cm	395	505	41	UR	NE	No	2008	Naturally occurring.
Hardness, Total	mg/L	170	236	21	UR	NE	No	2008	Erosion of naturally occurring deposits.
Magnesium	mg/L	11.4	12.7	10.0	UR	NE	No	2005	Erosion of naturally occurring deposits.
Potassium	mg/L	2.2	2.3	2.0	UR	NE	No	2008	Erosion of naturally occurring deposits.
Silica (Silicon Dioxide)	mg/L	8.1	8.1	8.1	UR	NE	No	2003	Erosion of naturally occurring deposits.
Surfactants	mg/L	0.1	0.1	0.1	UR	NE	No	2005	Erosion of naturally occurring deposits.
Strontium	mg/L	0.33	0.40	0.26	UR	NE	No	2004	Erosion of naturally occurring deposits.
VOCs									
None Detected	ug/L	None Detected					No	2008	
PESTICIDES/PCBs/SOCs									
None Detected	ug/L	None Detected					No	2008	
RADIOLOGICAL									
Radium 226	pCi/L	0.4	1.3	0.0	NE	NE	No	2007	Decay of natural and man-made deposits.
Radium 228	pCi/L	0.0	1.3	0.0	NE	NE	No	2008	Decay of natural and man-made deposits.
Radium 226 & 228	pCi/L	0.3	1.3	0.0	5.0	NE	No	2008	Decay of natural and man-made deposits.
Gross-Alpha	pCi/L	1.6	6.4	0.0	15.0	NE	No	2007	Decay of natural and man-made deposits.
Gross-Beta	pCi/L	0.7	2.0	0.0	50.0	NE	No	2007	Decay of natural and man-made deposits.
Uranium	pCi/L	0.6	0.6	0.5	30.0	NE	No	2008	Erosion of naturally occurring deposits.
DISINFECTANTS / DISINFECTION BY-PRODUCTS									
Chlorine	mg/L	0.8	1.5	0.0	4.0	NE	No	2008	Drinking water disinfectant.
TTHM	ug/L	23.1	76.4	0.0	80.0	NE	No	2008	By-product of drinking water disinfection.
HAA5s	ug/L	19.4	58.5	0.0	60.0	NE	No	2008	By-product of drinking water disinfection.
Highest Annual System Wide Avg.	ug/L	TTHM = 28.4 ug/L, HAA5s = 23.2 ug/L							
ORGANIC MATERIAL									
TOC	mg/L	1.8	3.6	0.6	TT	NE	No	2008	Naturally occurring.
DOC	mg/L	2.2	2.7	1.5	TT	NE	No	2008	
UV-254	1/cm	0.028	0.048	0.011	UR	NE	No	2008	This is a measure of the concentration of UV-absorbing organic compounds. Naturally occurring.
LEAD and COPPER (tested at the consumers tap) - monitoring required at least every 3 years. Last year tested 2008.									
Lead	mg/L	0.004	0.027	ND	AL=0.015	0.00	No	2008	Corrosion of household plumbing systems, erosion of naturally occurring deposits.
Copper	mg/L	0.14	0.58	0.0160	AL=1.3	1.30	No	2008	Corrosion of household plumbing systems, erosion of naturally occurring deposits.
90th Percentile		Lead = 0.0055 ppm, Copper = 0.330 ppm							
# of sites above Action Level		Lead = 0, Copper = 0							
MICROBIOLOGICAL									
HPC	CFU/100ml	10.9	55.5	0.0	500.0	0.0	No	2008	
Total Coliform	% Positive per Month	0.00%	0.00%	0.00%	Not >5%	0.00	No	2008	MCL is for monthly compliance. All repeat samples were negative; no violations were issued. Human and animal

mg/L: milligrams per liter
ug/L: micrograms per liter
NTU: Nephelometric Turbidity Unit
CU: Color Unit
TON: Threshold Odor Unit
umhos/cm: micro ohms per centimeter
pCi/L: picocuries per liter
MFL: Millions of Fibers per Liter

MCL: Maximum Contaminant Level
MCLG: Maximum Contaminant Level Goal
TTHM: Total Trihalomethanes
HAA5s: Five Haloacetic Acids
AL: Action Level
HPC: Heterotrophic Plate Count

ND: None Detected
NA: Not Applicable
NE: Not Established
UR: Unregulated
TT: Treatment Technique

The most recent data collected is used. Data ranges indicate that multiple sources were tested at different times within the given range.