

**2009 SUMMARY OF WATER QUALITY DATA  
ROSAMOND COMMUNITY SERVICES DISTRICT WATER SYSTEM**

<b>MICROBIOLOGICAL CONTAMINANTS</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Total Coliform Bacteria	2009		0	0	0	No	Naturally present in the environment.
<b>DISINFECTION BY-PRODUCTS***</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Total Trihalomethane (TTHM)	2009	ppb	n/a	80	20.8	No	By-product of drinking water chlorination
Total Haloacetic Acids (HAA5)	2009	ppb	n/a	60	3.7	No	By-product of drinking water chlorination
Chlorine	2009	ppm	4	4	0.8	No	Drinking water disinfectant added for treatment
<b>INORGANIC CHEMICALS</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Nitrate	2009	ppm	45	45	7.5	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Arsenic	2009	ppb	n/a	10	8.8	No	Erosion of natural deposit; runoff from orchards; glass and electronics productions wastes
Chromium	2009	ppb	2.5	50	14.6	No	Discharge from steel and pulp mills and chrome plating, erosion of natural deposits.
Fluoride	2009	ppm	.15	2	0.6	No	Erosion of natural deposits; water additive, which promotes strong teeth; discharge from fertilizer and aluminum factories.
Turbidity	2006	NTU	n/a	TT(5.0)	0.06	No	Soil runoff
<b>Secondary Drinking Water Standards</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Alkalinity	2009	ppm	n/a	n/a	123	No	
Calcium	2009	ppm	n/a	n/a	38	No	Erosion of natural deposits
Chloride	2009	ppm	n/a	(600)	27	No	Runoff/leaching from natural deposits; seawater influence
Hardness	2009	ppm	n/a	n/a	128	No	Naturally-occurring polyvalent action present in the water, generally magnesium and calcium
Sodium	2009	ppm	n/a	n/a	47	No	Naturally-occurring salt; seawater influence
Specific conductance	2009	umhos/cm	n/a	(1600)	456	No	Substances that form ions when in water; seawater influence
Total dissolved solids	2009	ppm	n/a	(1000)	303	No	Runoff/leaching from natural deposits
Color	2009	Units	n/a	15	ND		Naturally occurring organic materials
<b>Metals – (LEAD &amp; COPPER Monitoring)</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Copper	2009	ppm	0.17	AL = n/a 1000	0.18	n/a	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	2009	ppb	2	AL = n/a	ND	n/a	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers

**KEY TO TABLE**

AL= Regulatory Action Level \* ND = none detected \* PHG = Public Health Goal \* MCL = Maximum Contaminant Level NTU = Nephelometric Turbidity Units \* SMCL = Secondary Maximum Contaminant Level \* MCLG = Maximum Contaminant Level Goal \* pCi/L = picocuries per liter ( a measure of radioactivity) \* TT = Treatment Technique \* n/a = not applicable ppb = parts per billion, or micrograms per liter \* ppm = parts per million, or micrograms per liter \* umhos/cm = units of specific conductance