

**Redwood City Recycled Water Project
Water Quality Data**

Average Value 2007-2008	
Sample Location: Distribution Pump Station (DPS)	DPS

Water Quality Parameters	Units	
Total Dissolved Solids	mg/l	726
Total Suspended Solids	mg/l	3.9
Specific Conductance (EC)	umhos/cm	1477
Color	Tier	13
Hardness, Total	mg/l	202
Sodium Adsorption Ratio		5.50
pH	pH Units	7.35
Biochemical Oxygen Demand	mg/l	8.91
Methylene Blue Active Substances	mg/l	0.15
Bicarbonate	mg/l	250
Bicarbonate Alkalinity as CaCO3	mg/l	205
Carbonate Alkalinity as CaCO3	mg/l	ND
Hydroxide Alkalinity as CaCO3	mg/l	ND
Total Alkalinity as CaCO3	mg/l	205

Metals		
Aluminum	mg/l	0.35
Antimony	mg/l	ND
Arsenic	mg/l	ND
Barium	mg/l	0.013
Boron	mg/l	0.47
Cadmium	mg/l	ND
Calcium	mg/l	35
Chromium	mg/l	ND
Cobalt	mg/l	ND
Copper	mg/l	0.011
Iron	mg/l	0.037
Lead	mg/l	0.000
Magnesium	mg/l	28
Manganese	mg/l	0.13
Mercury	mg/l	ND
Nickel	mg/l	ND
Potassium	mg/l	17
Selenium	mg/l	ND
Silver	mg/l	ND
Sodium	mg/l	178
Tin	mg/l	ND
Zinc	mg/l	0.034

Water Quality Constituents		
Chloride	mg/l	282
Fluoride	mg/l	0.9
Nitrate as N	mg/l	2.1
Nitrite as N	mg/l	1.0
Orthophosphate	mg/l	9.9
Phosphate	mg/l	10.4
Sulfate as SO4	mg/l	64
Total Nitrogen	mg/l	28
Ammonia as N	mg/l	24
Total Kjeldahl Nitrogen	mg/l	25
Silica (SiO2), dissolved	mg/l	10

Volatile Organic Compounds		
Acetone	ug/l	2.3
Bromodichloromethane	ug/l	5.4
Bromofluorobenzene	ug/l	26.7
Bromoform	ug/l	8.1
Bromomethane	ug/l	2.8
Chloroform	ug/l	2.7
Dibromochloromethane	ug/l	7.2
Dibromofluoromethane	ug/l	22.4
Methylene chloride	ug/l	0.1
o-Xylene	ug/l	0.0
Toluene	ug/l	0.3
Toluene-d8	ug/l	24.0
Xylenes (total)	ug/l	0.0