

The Metropolitan Water District Of Southern California Analysis Of The District Water Supplies

Moulton Niguel Water District receives water supplied by the Metropolitan Water District's Diemer Filtration Plant located in Yorba Linda, California.

The following analysis is effective as of July 2007.

Constituent	Symbol	Unit	Diemer Plant
Silica	SiO ₂	mg/L	11.7
Calcium	Ca	mg/L	37
Magnesium	Mg	mg/L	17
Sodium	Na	mg/L	76
Potassium	K	mg/L	3.5
Carbonate	CO ₃	mg/L	0
Bicarbonate	HCO ₃	mg/L	101
Sulfate	SO ₄	mg/L	130
Chloride	Cl	mg/L	78
Nitrate	NO ₃	mg/L	2.1
Fluoride	F	mg/L	0.13
Boron	B	mg/L	0.15
Total Dissolved Solids	TDS	mg/L	406
Total Hardness	CaCO ₃	mg/L	162
Total Alkalinity	CaCO ₃	mg/L	83
Free Carbon Dioxide	CO ₂	mg/L	1.3
H ⁺ Concentration	pH		8.11
Specific Conductance		μmho/cm	683
Color		CU	2
Filter Effluent Turbidity		NTU	0.04
Turbidity		NTU	0.04
Temperature		°C	24
Bromide	Br	mg/L	0.19
Total Organic Carbon	TOC	mg/L	--
Langelier Index @Source Temp.			0.22
Pct. State Project Water	%SPW	%	73

Treatment plant bromides are influent values.

Treated water TOCs are collected at the filter effluents.

Langelier saturation indices are calculated using the USGS PHREEQC computer program.

Any questions or comments may be directed to the Moulton Niguel Water District at (949) 831-2500.