

Results are from the most recent testing performed in accordance with state and federal drinking water regulations. The State allows Maywood Mutual Water Company #1 to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative, are more than one year old.

ORGANIC CHEMICALS (µg/l)	GROUNDWATER		MWD'S SURFACE WATER		PRIMARY MCL	DL DETECTION LIMIT	MAJOR SOURCES IN DRINKING WATER
	AVERAGE	RANGE	AVERAGE	RANGE			
	(a)	(a)	(a)	(a)			

INORGANICS		Sampled from 2016 to 2018 (b)				
Aluminum (mg/l)		ND				
Arsenic (µg/l)		ND	ND	0.06	ND - 0.11	1
Barium (mg/l)		0.16	0.13 - 0.18	ND	ND - 0.12	10
Fluoride (mg/l) (k)		0.39	0.34 - 0.44	0.70	ND	1
Nitrate (mg/l as N)		0.55	ND - 1.1	0.25	0.4 - 0.9	2.0
					ND - 0.5	10
						0.6 (c)
						0.004
						2 (c)
						1 (c)
						10 (c)

RADIOLOGICAL - (pCi/l) Sampled from 2017 - 2018 (b)							
Gross Alpha		ND	ND	ND	15	0	Erosion of natural deposits
Gross Beta		NA	NA	ND	50	0	Decay of natural and man made deposits
Radium 226		ND	ND	ND	5 (d)	0.05	Erosion of natural deposits
Radium 228		ND	NA	ND		0.019	Erosion of natural deposits
Uranium		0.85	ND - 1.7	ND		20	0.43 (c)

Health

MICROBIALS	DISTRIBUTION SYSTEM		PRIMARY MCL	MCLG or PHG
	AVERAGE # POSITIVE	RANGE OF # POSITIVE		
Total Coliform Bacteria	0	0	> 1 positive	0
Fecal Coliform and <i>E. Coli</i> Bacteria	0	0	0	0
No. of Acute Violations	0	0	-	-

DISTRIBUTION SYSTEM			
AVERAGE		RANGE	
0.2		<0.1 - 2.9	
Turbidity (NTU)		TT	- Soil runoff

DISINFECTION BY-PRODUCTS AND DISINFECTION RESIDUALS (e)	DISTRIBUTION SYSTEM		PRIMARY MCL	MCLG or PHG
	AVERAGE	RANGE		
Total Trihalomethanes - TTHMS (µg/l)	17.5	1.2 - 35.8	80	-
Haloacetic Acids (µg/l)	3.3	0.0 - 8.7	60	-
Total Chlorine Residual (mg/l)	0.7	0.2 - 0.6	4.0 (f)	4.0 (g)

AT THE TAP PHYSICAL CONSTITUENTS 22 sites sampled in 2016	DISTRIBUTION SYSTEM		ACTION LEVEL (AL)	MCLG or PHG
	90%ile	# OF SITES ABOVE THE AL		
Copper (mg/l)	0.28 (h)	0	1.3 AL	0.3 (h)
Lead (µg/l)	ND (h)	0	15 AL	0.2 (h)
				Internal corrosion of household plumbing, erosion of natural deposits
				Internal corrosion of household plumbing, industrial manufacturer discharges

Sampled From 2016 to 2018 (b)	GROUNDWATER		SECONDARY MCL	MCLG or PHG
	AVERAGE	RANGE		
	MWD's AVERAGE	RANGE		
Aggressiveness Index (corrosivity)	12.4	12.3-12.4	Non - corrosive	-
Aluminum (µg/l) (i)	ND	ND	200	600 (c)
Chloride (mg/l)	51.8	49-56	500	-
Color (color units)	ND	ND	15	-
Specific Conductance (uS/cm)	698.3	670-730	1,600	-
Iron (µg/l)	0.5	ND-29	300	-
Manganese (µg/l)	18.4	ND - 44 (j)	50	-
Odor (threshold odor number)	1	1	3	-
Sulfate (mg/l)	100.3	91-110	500	-
Total Dissolved Solids (mg/l)	421.7	390 - 470	1,000	-
Turbidity (NTU)	0.1	ND - 0.2	5	-

oses

GENERAL PHYSICAL CONSTITUENTS	DISTRIBUTION SYSTEM		SECONDARY MCL	MCLG or PHG
	AVERAGE	RANGE		
Color (color units)	<3	<3 - 7.5	15	-
Odor (threshold odor number)	1	1	3	-
				Naturally - occurring organic materials
				Naturally - occurring organic materials

Sampled From 2016 to 2018 (b)	GROUNDWATER		MWD's SURFACE WATER	
	AVERAGE	RANGE	AVERAGE	RANGE
1,4-Dioxane (µg/l)	2.9	2.2 - 3.9	NA	NA
Alkalinity (mg/l)	170	160 - 180	92	68 - 117
Boron (µg/l)	210	210	135	130 - 140
Calcium (mg/l)	63.5	58 - 70	41.5	19 - 69
Chlorate (µg/l)	NA	NA	30.3	ND - 32
Magnesium (mg/l)	14.5	14 - 16	16.9	9.5 - 26
N-Nitrosodimethylamine (NDMA) (ng/l)	NA	NA	1.1	ND - 0.003
pH (standard unit)	7.9	7.9 - 8.0	8.3	8.1 - 8.5
Potassium (mg/l)	3.8	3.7 - 4.1	3.4	2.4 - 5.0
Sodium (mg/l)	57.3	55 - 60	72	45 - 103
Total Hardness (mg/l)	220	200 - 240	171.5	84 - 274
Total Organic Carbon (mg/l)	NA	NA	2.5	2.0 - 2.8
Vandium (µg/l)	ND	ND	3.7	ND - 7.4

NA = constituent not analyzed **uS/cm** = microSiemens per centimeter
NTU = nephelometric turbidity units **ND** = constituent not detected at the reporting limit
< = less than **SI** = saturation index **pCi/l** = picoCuries per liter

mg/l = milligrams per liter or parts per million (equivalent to 1 drop in 42 gallons)
µg/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gallons)
ng/l = nanograms per liter or parts per trillion (equivalent to 1 drop in 42,000,000 gallons)

and staining of laundry / plumbing fixtures. A manganese
HEALTH RISK.

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ng/l = nanograms per liter or parts per trillion (equivalent to 1 drop in 42,000,000 gallons)

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Primary Drinking Water Standard (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Water Standard (SDWS): MCLs and MRDLs for contaminants that affect the aesthetic qualities such as taste, odor, or appearance of the drinking water. Contaminates with SDWSs do not affect the health at the MCL levels.

Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.