



La Cumbre Mutual Water Company

695 Via Tranquila Santa Barbara 967-2376

2018 CONSUMER CONFIDENCE REPORT DATA

Este informe contiene información muy importante sobre su agua beber.
Tradúzcalo ó hable con alguien que lo entienda bien.

Please see last page for key to abbreviations.

				SOURCE		Major Sources in Drinking Water
Parameter	Units	State MCL	PHG (MCLG)	Range Average	GROUND WATER	SURFACE WATER

PRIMARY STANDARDS--Mandatory Health-Related Standards

CLARITY (a)

Combined Filter Effluent Turbidity	NTU	TT=1 NTU	Highest Single Measurement			Soil runoff
		TT=95% of samples <0.3 NTU		NA	0.10	
				NA	100% Samples <= 0.3 NTU	

MICROBIOLOGICAL (b)

Total Coliform Bacteria (Distribution System)	Samples	5% of monthly samples (b)	(0)	Reporting Value	0 Positives	0.0%	Naturally present in the environment
				Range	0 Positives	0 Positives	
Fecal Coliform and E. coli (Distribution System)	Samples	(b)	(0)	Average	0 Positives	0 Positives	Human and animal fecal waste
				Highest	0 Positives	0 Positives	

Disinfectant Byproducts - Disinfectant Residuals - Disinfection Byproduct Precursors

Total Trihalomethanes (Distribution System)(c)	ppb	80	NA	Range	26.9 - 48.6	0.56 - 62	By-product of drinking water disinfection
				Average	38	53	
Haloacetic Acids (c) (Distribution System)	ppb	60	NA	Range	5.5 - 13.3	ND - 26	By-product of drinking water disinfection
				Average	9.4	24	
Disinfectant - Free Chlorine Residual	ppm	MRDL as Cl2 4.0	MRDLG as Cl2 4.0	Range	0.20 - 5.10 (d)	ND - 1.72	Measurement of the disinfectant used in the production of drinking water
				Average	0.95 (d)	0.69	
Control of DBP pre-cursors - TOC	ppm	TT	NA	Range	0.62 - 1.2 (d)	ND - 3.21	TOC has no health effects. However, it provides a medium for the formation of disinfection by-products. Various natural and manmade sources
				Average	0.89 (d)	2.72	

INORGANIC CHEMICALS

Aluminum	ppb	1000	600	Range	ND	ND - 60	Residue from water treatment process;
				Average	NA	30	Erosion of natural deposits
Arsenic	ppb	10	0.004	Range	ND	ND	Erosion of natural deposits
				Average	NA	NA	
Barium	ppm	1	2	Range	ND	ND	Erosion of natural deposits
				Average	NA	NA	
Fluoride	ppm	2	1	Range	0.32 - 0.63	ND - 0.45	Erosion of natural deposits;
				Average	0.50	0.33	water additive for tooth health
Nitrate (as NO ₃)	ppm	45	45	Range	ND - 1.9	ND	Runoff & leaching from fertilizer use; sewage; natural erosion
				Average	0.6	NA	
Hexavalent chromium, Cr VI	ppb	10	0.02	Range	ND	NA	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
				Average	NA	0.022	

LEAD & COPPER RULES - Monitored at the customers tap. Number of sites exceeded Action Level = 0

Copper	ppm	1.3	0.3	Value			Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
				90th %	0.50	NA	
Lead	ppb	15	0.2	Value			Internal corrosion of household plumbing systems; discharges from industrial manufactures; erosion of natural deposits.
				90th %	ND	NA	

RADIOCHEMISTRY - Radioactive Contaminants

Gross Alpha	pCi/L	15	MCLG, 0	Range	ND - 5.1	ND	Erosion of natural deposits
				Average	3.0	NA	
Radium 228	pCi/L	N/A	N/A	Range	0 - 0.283	ND	Erosion of natural deposits
				Average	0.0566	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	Range	46 - 130	33 - 140	Runoff/leaching from natural deposits; seawater influence
				Average	88.3	60	
Color (ACU)	Units	15	NA	Range	ND	ND	Naturally occurring organic materials
				Average	NA	NA	
Copper	ppb	1000	NA	Range	ND	ND	Corrosion of plumbing systems; erosion of natural deposits; leaching from wood preservatives
				Average	NA	NA	
Iron	ppb	300	NA	Range	ND - 540	ND - 21	Leaching from natural deposits; industrial wastes
				Average	87.8	14	
Manganese	ppb	50	NA	Range	ND	ND - 1.2	Leaching from natural deposits
				Average	NA	0.53	
Odor Threshold	Units	3	NA	Range	1 - 4	2 - 3	Naturally occurring organic materials
				Average	2.3	3	
Specific Conductance	µmho/cm	1600	NA	Range	1100 - 1400	550 - 1050	Substances that form ions when in water; seawater influence.
				Average	1300	867	
Sulfate	ppm	500	NA	Range	250 - 320	2.3 - 335	Runoff/leaching from natural deposits; industrial wastes
				Average	268.7	210	
Total Dissolved Solids	ppm	1000	NA	Range	650 - 950	270 - 804	Runoff/leaching from natural deposits; seawater influence
				Average	836.7	595	
Turbidity (Monthly)	NTU	5	NA	Range	0.7 - 2.34	0.05 - 0.16	Soil runoff
				Average	1.7	0.09	
Zinc	ppm	5.0	NA	Range	ND - 0.33	ND	Naturally occurring in trace amounts, but can be detected in soft, acidic water systems
				Average	0.11	NA	

Additional Parameters (Unregulated):

Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	Range	240 - 330	51 - 205	Runoff/leaching from natural deposits; seawater influence
				Average	300	170	
Calcium as Ca	ppm	NA	NA	Range	110 - 140	21 - 106	Runoff/leaching from natural deposits; seawater influence
				Average	126.7	79	
Hardness (Total) as CaCO ₃	ppm	NA	NA	Range	420 - 550	58 - 476	Leaching from natural deposits
				Average	493.3	330	
Magnesium	ppm	NA	NA	Range	37 - 47	1.4 - 45	Runoff/leaching from natural deposits; seawater influence
				Average	42.3	30	
pH	pH Units	NA	NA	Range	7.3 - 7.6	7.50 - 9.03	Runoff/leaching from natural deposits; seawater influence
				Average	7.5	7.76	
Potassium	ppm	NA	NA	Range	2.3 - 2.9	3.8 - 5.1	Runoff/leaching from natural deposits; seawater influence
				Average	2.6	4.4	
Sodium	ppm	NA	NA	Range	85 - 120	51 - 80	Runoff/leaching from natural deposits; seawater influence
				Average	99.3	60	

Constituents of Concern:

Boron	ppb	1000 (AL)	NA	Range	140 - 270	NA	Runoff/leaching from rocks and soil, wastewater, and fertilizers/pesticides.
				Average	206.7	850	

Water System Name: La Cumbre Mutual Water Company
Report Date: May 2019

In 2018, 59% of our water was from our wells, the remaining 41% was State Project Water after flowing into Lake Cachuma and being treated by the Santa Barbara City Cater Surface Water Treatment Plant. Therefore, the surface water quality portion of this report comes from the city of Santa Barbara. Sections of our service area along State Street and Modoc Road receive water that was treated entirely by the city of Santa Barbara.

Time and place of regularly scheduled board meetings for public participation: Once a month at 695 Via Tranquila, please call for exact date and times 967-2376.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the State Water Resources Control Board (SWRCB) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

This report lists all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The SWRCB requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

Additional General Information On Drinking Water:
All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at 1-800-426-4791 or www.epa.gov/safewater/.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care providers about drinking water. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791 or www.epa.gov/safewater/.

ABBREVIATIONS AND NOTES

Type of water sources in use: Five ground water wells and State Project surface water from Lake Cachuma through Santa Barbara City Cater Treatment Plant.

Name of Sources: Well #16, Well #17, Well #18, Well #19 & Well #21 and seven metered connections to Santa Barbara City Water. Note: Depending on where you live, our water is a mixture of groundwater and surface water.

Water Quality Report: Listed are substances detected in the drinking water. Not listed are more than 135 regulated and unregulated substances that were below the laboratory detection level.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. La Cumbre Water Co. is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Definitions:

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 Environmental Protection Agency.

Maximum Contaminate 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 Contaminate Level (MCLs): 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 Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant (chlorine) added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U. S. Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The level of a disinfectant (chlorine) added for water treatment that may not be exceeded at the consumer's tap.

DBP: Disinfection Byproducts

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

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

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

Secondary Drinking Water Standards (SDWS): MCL's for contaminants that effect taste, odor or appearance of drinking water. Contaminants with SWDS do not affect the health at MCL levels.

Unregulated Contaminant Monitoring Regulations (UCMR): Data generated by the new UCMR will be used to evaluate and prioritize contaminants on the Drinking Water Contaminant Candidate List, a list of contaminants EPA is considering for possible new drinking water standards. Also known as "State Regulated Contaminants with No MCLs".

NA: Not Applicable

ND: Not Detected

Footnotes:

- (a) Turbidity (NTU) is a measure of the cloudiness of the water and it is a good indicator of the effectiveness of our filtration system. Monthly turbidity values for ground water are listed in the Secondary Standards section.
- (b) Total coliform MCLs: The State MCL for coliforms is no more than 1 per month for water systems which collect less than 40 samples per month (La Cumbre Water). Systems which collect over 40 routine samples may not have more than 5% positive per month.
- (c) Compliance based on the quarterly annual average distribution system samples.
- (d) Although reported under ground water these readings were taken from the distribution system and are a combination of ground and surface water.

Abbreviations

"<" = Less Than

AL = Regulatory Action Level

ACU = Apparent Color Units

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

MRDL = Maximum Residual Disinfectant Level

MRDLG = Maximum Residual Disinfectant Goal

NA = not applicable

NC = Not Collected

ND = None Detected

NTU = Nephelometric Turbidity Units

pCi/L = PicoCuries per liter

PHG = Public Health Goal

ppb = parts per billion, or micrograms per liter (µg/L)

ppm = parts per million, or milligrams per liter (mg/L)

TOC = Total Organic Carbon

TT = Treatment Technique

µmho/cm = micromhos per centimeter
(unit of specific conductance of water)