



**California  
Domestic  
Water  
Company**



# 2021 DRINKING WATER CONSUMER CONFIDENCE REPORT

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*Once again, your tap water met or was better than all Federal and State drinking water health standards thanks to our full time staff of water quality professionals who vigilantly safeguard your water supplies 24/7. We are proud to provide this report that contains the results of extensive water quality tests conducted in 2020, as well as information about the sources of your water, and other information about water quality.*

## **Our Local Groundwater Supply**

Water delivered to customers is from the Water Company's Bassett Wellfield, located on the west bank of the San Gabriel River at the intersection of the 605 and I-10 Freeways. Water is pumped from six groundwater wells: Wells 2A, 3, 5A, 6, 8, and 10.

## **Advanced Treatment for Quality Water**

The Water Company maintains a variety of standard and advanced water treatment facilities that treat particular wells as needed, using techniques such as air-stripping, ion-exchange, ultra-violet light, pH control and chlorination.

## **Extensive Testing to Ensure Water Quality**

We monitor and test for water quality on a weekly basis for a number of substances in various locations around the water system. Other monitoring is conducted bi-weekly, monthly, quarterly, bi-annually, and annually. We collect over 2,000 samples in total each year.

## **Advice for Immuno-Compromised Persons**

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 about drinking water from their health care providers. U.S. EPA/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).

ESTE INFORME CONTIENE INFORMACIÓN MUY IMPORTANTE SOBRE SU AGUA POTABLE. TRADÚZCALO Ó HABLE CON ALGUIEN QUE LO ENTIENDA BIEN.

## Information About Water Quality

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 stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater 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 stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.



## More Information About Drinking Water

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

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

## Source Water Assessment Completed

An assessment of the drinking water sources for California Domestic Water Company was completed in January 2019. The sources are considered most vulnerable to the following activities associated with contaminants detected in the water supply:

- Drinking water treatment plants
- Known contaminant plumes
- Underground storage tanks – confirmed leaking tanks
- Housing – high density
- Wells – water supply
- Schools

The sources are considered most vulnerable to the following activities not associated with any detected contaminants:

- Transportation corridors – freeways/state highways
- Transportation corridors – railroads

*A copy of the complete assessment may be viewed at:*  
California Domestic Water Company  
15505 Whittier Blvd.  
Whittier, CA 90603

*For more information about water supply or quality, or to request a summary of the assessment, contact:*  
Ernesto “Che” Venegas, Director of Water Operations at: (562) 947-3811

## Results of 2020 Drinking Water Quality Tests

The tables below list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. California Domestic Water Company regularly tests for hundreds of substances. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one-year-old.

Parameter	Units	MCL	PHG or (MCLG)	Bassett Wellfield (Raw Groundwater)		SGWVC (Purchased Water)		Distribution (Treated Water)		Most Recent Sampling Date	Major Sources In Drinking Water
				Range	Average	Range	Average	Range	Average		
<b>REGULATED CONTAMINANTS WITH PRIMARY MCLs, MRDLs, TTS, OR ALs</b>											
<b>TABLE 1 – MICROBIOLOGICAL CONTAMINANTS</b>											
Total Coliform Bacteria (State Total Coliform Rule)	% Samples positive	See Note 1	(0)	No Violations		N/A		No Violations		2020	Naturally present in the environment.
Fecal coliform and E. coli (State Total Coliform Rule)	Samples positive	See Note 2	(0)	No Violations		N/A		No Violations		2020	Human and animal fecal waste.
<b>TABLE 2 – INORGANIC CONTAMINANTS</b>											
Arsenic	ppb	10	0.004	ND-2.7	2	2.1-2.2	2.2	ND-2.6	2.2	2020	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.
Barium	ppm	1	2	ND-0.14	0.11	0.15	0.15	0.12-0.13	0.12	2020	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits.
Chromium	ppb	50	(100)	ND	ND	ND	ND	ND	ND	2020	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits.
Fluoride	ppm	2	1	0.28-0.34	0.31	0.30-0.33	0.32	0.28-0.32	0.30	2020	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Hexavalent Chromium	ppb	N/A	0.02	1.7-2.8	2.2	4.1-4.6	4.4	2.5-2.7	2.6	2020	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Nitrate (as N) TT	ppm	10 as N	10 as N	1.4-5.8	3.4	4.2-6.4	5.1	3.1-4.6	3.7	2020	Runoff and leaching from fertilizer use, leaching from septic tanks and sewage; erosion from natural deposits.
Perchlorate TT	ppb	6	1	0.59-16	4.2	ND-0.11	ND	ND-3.1	1.6	2020	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, dispose of perchlorate and its salts.

**NOTE 1:** MCL: Systems that collect  $\geq 40$  samples/month, no more than 5.0% of samples are positive.

**NOTE 2:** MCL: a routine sample and a repeat are total coliform positive, and one of these is also fecal coliform or E. coli positive.

### INFORMATION ABOUT NITRATE

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Parameter	Units	MCL	PHG or (MCLG)	Bassett Wellfield (Raw Groundwater)		SGVWC (Purchased Water)		Distribution (Treated Water)		Most Recent Sampling Date	Major Sources In Drinking Water
				Range	Average	Range	Average	Range	Average		

**REGULATED CONTAMINANTS WITH PRIMARY MCLs, MRDLs, TTS, OR ALs**

**TABLE 3 – RADIOACTIVE CONTAMINANTS - The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.**

Gross Alpha particle activity	pCi/L	15	(0)	ND	ND	N/A	N/A	N/A	N/A	2015-2020	Erosion of natural deposits.
Combined Radium 226+228	pCi/L	5	(0)	ND	ND	N/A	N/A	N/A	N/A	2015-2020	Erosion of natural deposits.
Uranium	pCi/L	20	0.43	2-3.2	2.7	N/A	N/A	N/A	N/A	2016-2020	Erosion of natural deposits.

**TABLE 4 – VOLATILE ORGANIC CHEMICALS**

Carbon Tetrachloride TT	ppt	500	100	ND-2100	300	ND	ND	ND	ND	2020	Discharge from chemical plants and other industrial activities.
1,1-Dichloroethylene TT	ppb	6	10	ND-8.2	2.6	ND	ND	ND	ND	2020	Discharge from industrial chemical factories.
cis-1,2-Dichloroethylene TT	ppb	6	100	ND-5.3	1.5	ND	ND	ND	ND	2020	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination.
Tetrachloroethylene (PCE) TT	ppb	5	0.06	ND-50	11.1	ND	ND	ND-1.1	0.73	2020	Discharge from factories, dry cleaners, and auto shops (metal degreaser).
Trichloroethylene (TCE) TT	ppb	5	1.7	ND-55	13.3	ND	ND	ND	ND	2020	Discharge from metal degreasing sites and other factories.
Chloroform TT	ppb	N/A	N/A	ND-1.1	0.2	ND	ND	ND	ND	2020	Discharge from factories, dry cleaners, and auto shops (metal degreaser).
Total Trihalomethanes TT	ppb	80	N/A	ND-1.2	0.1	ND	ND	ND	ND	2020	Byproduct of drinking water disinfection.

**TABLE 5 – DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS - Five locations are tested quarterly for disinfection byproducts.**

TTHMs (Total Trihalomethanes)	ppb	80	N/A	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Average	2020	Byproduct of drinking water disinfection.	
Site 1				0.00	0.00	1.20	0.00	0.30			
Site 2				0.00	0.00	0.00	0.00	0.00			
Site 3				0.00	0.00	0.00	0.00	0.00			
Site 4				0.65	0.00	1.40	0.00	0.51			
Site 5				0.00	2.90	3.60	0.00	1.63			
HAA5 (Haloacetic Acids)	ppb	60	N/A	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Average	2020	Byproduct of drinking water disinfection.	
Site 1				0.00	0.00	0.00	0.00	0.00			
Site 2				0.00	0.00	0.00	0.00	0.00			
Site 3				0.00	0.00	0.00	0.00	0.00			
Site 4				0.00	0.00	0.00	0.00	0.00			
Site 5				0.00	0.00	0.00	0.00	0.00			
Chlorine	ppm	MRDL = 4 as CL <sub>2</sub>	MRDLG = 4 as CL <sub>2</sub>	N/A	N/A	Range 0.78-1.53	Average 1.24	Range 0.70-1.54	Average 1.03	2020	Drinking water disinfectant added for treatment.



Parameter	Units	MCL	PHG or (MCLG)	Bassett Wellfield (Raw Groundwater)		SGVWC (Purchased Water)		Distribution (Treated Water)		Most Recent Sampling Date	Major Sources In Drinking Water
				Range	Average	Range	Average	Range	Average		

**TABLE 6 – REGULATED CONTAMINANTS WITH SECONDARY MCLs**

Color	Units	15	N/A	ND	ND	ND	ND	ND	ND	2020	Naturally-occurring organic materials.
Odor Threshold	TON	3	N/A	1	1	1	1	1	1	2020	Naturally-occurring organic materials.
Turbidity	NTU	5	N/A	ND	ND	ND-0.6	0.3	ND	ND	2020	Soil runoff.
Total Dissolved Solids	ppm	1000	N/A	210-360	278	350	350	280-310	295	2020	Runoff/leaching from natural deposits.
Specific Conductance	umhos/cm µS/cm	1600	N/A	360-570	474	590-610	600	480-490	485	2020	Substances that form ions in water; seawater influence.
Chloride	ppm	500	N/A	6.9-30	18.6	30-35	32.5	19-20	19.5	2020	Runoff/leaching from natural deposits; seawater influence.
Sulfate	ppm	500	N/A	22-56	37	47-48	47.5	41-42	41.5	2020	Runoff/leaching from natural deposits; industrial wastes.

**TABLE 7 – ADDITIONAL RESULTS**

Hardness	ppm	N/A	N/A	170-240	205	260	260	210	210	2020	Runoff and leaching from natural deposits.
Sodium	ppm	N/A	N/A	11-25	16	23-24	23.5	16-17	16.5	2020	Runoff and leaching from natural deposits, seawater influence.
pH	Std. Units	N/A	N/A	7.8-8.2	8	7.8-8.1	7.9	7.8-8.1	8	2020	Measure of alkalinity and acidity.
N-nitrosodimethylamine (NDMA) TT	ppt	AL 10	N/A	ND-24	3.4	ND	ND	ND	ND	2019	Production of rocket fuel, rubber products, solvents, and a lubricant additive.

**TABLE 8 – UNREGULATED ORGANIC CHEMICALS**

1,4-Dioxane TT	ppb	NL 1	N/A	ND-0.86	0.25	N/A	N/A	N/A	N/A	2020	Stabilizer for chlorinated solvents, solvent for resins, oils, fats, waxes and greases; byproduct in cosmetics and shampoos.
Perfluorooctanoic acid PFOA TT	ppt	NL 5.1	N/A	ND-37	9.2	N/A	N/A	ND	ND	2020	Fire training/fire response sites, industrial sites, landfills, and wastewater treatment plants/biosolids.
Perfluorooctanesulfonic acid PFOS TT	ppt	NL 6.5	N/A	ND-13	3.5	N/A	N/A	ND	ND	2020	Fire training/fire response sites, industrial sites, landfills, and wastewater treatment plants/biosolids.

Unregulated contaminant monitoring helps USEPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

## Definitions and Abbreviations Used In the Chart

**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.

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

**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.

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

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

**ND:** not detectable at testing limit

**ppm:** parts per million or milligrams per liter (mg/L)

**ppb:** parts per billion or micrograms per liter (µg/L)

**ppt:** parts per trillion or nanograms per liter (ng/L)

**pCi/L:** picocuries per liter (a measure of radiation)

**NL:** notification level

**N/A:** not applicable

**TON:** Turnover number, a measure in chemistry.

**NTU:** Nephelometric Turbidity Units

**umhos/cm:** micromohos, a measure of conductivity.

**SGVWC:** San Gabriel Valley Water Company

**AL:** Action Level