This report reflects water quality testing conducted during 2017.

A Word of Assurance about

Your 2017 Water Quality Report

Certified quality assurance professionals collect several thousand water samples each year to safeguard the quality of your tap water. These samples are analyzed in the field at the time of sample collection or by independent, state-certified laboratories for various substances as mandated by law. The results of these samples are then submitted to the State Water Board (SWB), which oversees water quality compliance for all public water systems in California. California Domestic Water Company (Cal Domestic) has its own drinking monitoring programs that comply with the United States Environmental Protection Agency (USEPA) and California regulatory requirements.

Your drinking water is constantly monitored from source to tap for regulated and unregulated constituents through comprehensive drinking water quality compliance testing programs carried out by dedicated Suburban Water Systems (Suburban) and Cal Domestic professionals.
For more than 60 years, Suburban has provided dependable, high-quality water that complies with all federal and state health safety standards to thousands of families in the San Gabriel Valley and nearby areas. We are proud to report that 2017 was no exception.

Who We Serve

Suburban’s La Mirada system provides drinking water to the city of La Mirada portions of Whittier, Buena Park and Fullerton. Suburban serves approximately 55,000 people in its La Mirada system service area. In 2017, all of Suburban’s water supply came from local groundwater wells. Suburban provides drinking water for its La Mirada service area from its wells in the Main San Gabriel Groundwater Basin and the Central Groundwater Basin. Suburban also purchases supplemental drinking water from Cal Domestic. Cal Domestic water comes from wells in the Main San Gabriel Groundwater Basin.

Suburban’s Drinking Water Complies with All Health and Safety Regulations

In order to ensure that tap water is safe to drink, the USEPA and the SWB prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWB regulations also establish limits for contaminants in bottled water, which must provide the same protection for public health. Last year, as in the past, Suburban’s drinking water was in full compliance with all applicable county, state and federal drinking water regulations. Our system of pumps, reservoirs and distribution pipelines are all routinely inspected, monitored and maintained by professional state-certified water system operators to protect the quality of the water from source to tap.
This annual water quality report demonstrates Suburban’s compliance with SWB and USEPA regulations. It also provides important information to the public about where drinking water comes from, how drinking water is regulated, and what types of contaminants may be in the drinking water. You will find charts on the following page, which summarize the results of our comprehensive water quality testing program.

Determine how the water quality in your area compares to government standards by finding the average values in the charts and comparing these values to the maximum contaminant level (MCL).

Chemicals reported in the table were detected in the water by independent accredited laboratories during 2017 or from the most recent tests. Most, but not all, of these chemicals are minerals, metals and radiologicals occurring naturally in the water. Some of these chemicals, however, are the result of 1) drinking water treatment processes — chlorine residual, disinfection byproducts; 2) agricultural/industrial practices that occurred many decades ago — nitrate, tetrachloroethylene, trichloroethylene; and 3) household plumbing — copper.

To help you understand what these test results mean, we have also included information about significant constituents, measurements, water quality definitions and advisories.

Purpose of this Report

Are There Risks?

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 USEPA’s Safe Drinking Water Hotline (800) 426-4791.

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.

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 (800) 426-4791.
Contaminants that May Be in the Water

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, agricultural application and septic systems.

- **Radioactive contaminants** that can be naturally-occurring or be the result of oil and gas production and mining activities.

**Lead**, if present in elevated levels, 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. Suburban 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 two 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 (800) 426-4791 or at www.epa.gov/lead.
### Suburban Water Systems ~ La Mirada Drinking Water Sources Tested in 2017

<table>
<thead>
<tr>
<th>Chemical</th>
<th>MCL (ppb)</th>
<th>PHG (MCLG)</th>
<th>Average</th>
<th>Range</th>
<th>MCL Violation?</th>
<th>Typical Source of Contaminant</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organic Chemicals</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetrachloroethylene (ppb)</td>
<td>5</td>
<td>0.06</td>
<td>0.5</td>
<td>ND – 1</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Trichloroethylene (ppb)</td>
<td>5</td>
<td>1.7</td>
<td>1</td>
<td>ND – 2</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Radiologicals</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alpha Radiation (pCi/L)</td>
<td>15</td>
<td>(0)</td>
<td>ND</td>
<td>ND</td>
<td>&lt;3</td>
<td>ND – 4</td>
</tr>
<tr>
<td>Uranium (pCi/L)</td>
<td>20</td>
<td>0.43</td>
<td>3</td>
<td>2 – 3</td>
<td>2</td>
<td>ND – 3</td>
</tr>
<tr>
<td><strong>Inorganic Chemicals</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arsenic (ppb)</td>
<td>10</td>
<td>0.004</td>
<td>ND</td>
<td>ND</td>
<td>2</td>
<td>ND – 5</td>
</tr>
<tr>
<td>Barium (ppm)</td>
<td>1</td>
<td>2</td>
<td>0.1</td>
<td>0.1</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Fluoride (ppm) naturally-occurring</td>
<td>2</td>
<td>1</td>
<td>0.3</td>
<td>0.3 – 0.4</td>
<td>0.4</td>
<td>0.2 – 0.6</td>
</tr>
<tr>
<td>Nitrate (ppm as N)</td>
<td>10</td>
<td>10</td>
<td>4</td>
<td>3 – 5</td>
<td>2</td>
<td>ND – 3</td>
</tr>
<tr>
<td><strong>Secondary Standards</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride (ppm)</td>
<td>8</td>
<td>Not Regulated</td>
<td>19</td>
<td>18 – 20</td>
<td>73</td>
<td>34 – 120</td>
</tr>
<tr>
<td>Color (color units)</td>
<td>50</td>
<td>Not Regulated</td>
<td>ND</td>
<td>ND</td>
<td>2</td>
<td>ND – 15</td>
</tr>
<tr>
<td>Manganese (ppb)</td>
<td>50</td>
<td>Not Regulated</td>
<td>ND</td>
<td>ND</td>
<td>21</td>
<td>ND – 52</td>
</tr>
<tr>
<td>Chloride (ppm)</td>
<td>15</td>
<td>Not Regulated</td>
<td>ND</td>
<td>ND</td>
<td>50</td>
<td>ND – 15</td>
</tr>
<tr>
<td>Specific Conductance (µmho/cm)</td>
<td>1,600</td>
<td>Not Regulated</td>
<td>480</td>
<td>470 – 490</td>
<td>788</td>
<td>610 – 960</td>
</tr>
<tr>
<td>Sulfate (ppm)</td>
<td>500</td>
<td>Not Regulated</td>
<td>44</td>
<td>43 – 44</td>
<td>97</td>
<td>77 – 140</td>
</tr>
<tr>
<td>Total Dissolved Solids (ppm)</td>
<td>1,000</td>
<td>Not Regulated</td>
<td>290</td>
<td>280 – 300</td>
<td>469</td>
<td>370 – 620</td>
</tr>
<tr>
<td>Turbidity (NTU)</td>
<td>5</td>
<td>Not Regulated</td>
<td>0.1</td>
<td>ND – 0.2</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Unregulated Contaminants</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alkalinity, total (ppm CaCO₃)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>165</td>
<td>160 – 170</td>
<td>188</td>
<td>150 – 230</td>
</tr>
<tr>
<td>Calcium (ppm)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>67</td>
<td>66 – 68</td>
<td>56</td>
<td>27 – 88</td>
</tr>
<tr>
<td>Hardness, total (ppm CaCO₃)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>220</td>
<td>220</td>
<td>197</td>
<td>115 – 290</td>
</tr>
<tr>
<td>Hardness, total (grains/gal)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>13</td>
<td>13</td>
<td>14</td>
<td>14 – 17</td>
</tr>
<tr>
<td>Magnesium (ppm)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>12</td>
<td>12</td>
<td>13</td>
<td>12 – 17</td>
</tr>
<tr>
<td>pH (pH units)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>7.8</td>
<td>7.8</td>
<td>7.9</td>
<td>7.6 – 8.1</td>
</tr>
<tr>
<td>Potassium (ppm)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>4</td>
<td>3 – 4</td>
<td>4</td>
<td>3 – 5</td>
</tr>
<tr>
<td>Sodium (ppm)</td>
<td>Not Regulated</td>
<td>n/a</td>
<td>17</td>
<td>16 – 17</td>
<td>87</td>
<td>67 – 130</td>
</tr>
</tbody>
</table>

*ppb = parts-per-billion; ppm = parts-per-million; ppt = parts-per-trillion; pCi/L = picoCuries per liter; NTU = nephelometric turbidity units; ND = not detected; n/a = not applicable; NT = Not Tested in 2014; < = average is less than the detection limit for reporting purposes; MCL = Maximum Contaminant Level; (MCLG) = Federal MCL Goal; PHG = California Public Health Goal; NL = Notification Level
*µmho/cm = micromho per centimeter

Contaminant is regulated by a secondary standard to maintain aesthetic qualities.
Suburban Water Systems ~ La Mirada Distribution System Tested in 2017

<table>
<thead>
<tr>
<th>Chemical</th>
<th>MCL (MRDL/MRDLG)</th>
<th>Average</th>
<th>Range</th>
<th>MCL Violation?</th>
<th>Typical Source of Contaminant</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Disinfection Byproducts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Trihalomethanes (ppb)</td>
<td>80</td>
<td>68</td>
<td>27 – 65</td>
<td>No</td>
<td>Byproducts of Chlorine Disinfection</td>
</tr>
<tr>
<td>Haloacetic Acids (ppb)</td>
<td>60</td>
<td>17</td>
<td>6 – 18</td>
<td>No</td>
<td>Byproducts of Chlorine Disinfection</td>
</tr>
<tr>
<td>Chlorine Residual (ppm)</td>
<td>(4 / 4)</td>
<td>1</td>
<td>0.2 – 2</td>
<td>No</td>
<td>Disinfectant Added for Treatment</td>
</tr>
<tr>
<td><strong>Aesthetic Quality</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color (Color Units)</td>
<td>15*</td>
<td>&lt;3</td>
<td>ND – 10</td>
<td>No</td>
<td>Erosion of Natural Deposits</td>
</tr>
<tr>
<td>Turbidity (NTU)</td>
<td>5*</td>
<td>0.1</td>
<td>ND – 1</td>
<td>No</td>
<td>Erosion of Natural Deposits</td>
</tr>
<tr>
<td>Odor (threshold odor number)</td>
<td>3*</td>
<td>1</td>
<td>ND – 2</td>
<td>No</td>
<td>Erosion of Natural Deposits</td>
</tr>
</tbody>
</table>

Four locations in the distribution system are tested quarterly for total trihalomethanes and haloacetic acids; five locations are tested weekly for color, odor and turbidity.

MRDL = Maximum Residual Disinfectant Level; MRDLG = Maximum Residual Disinfectant Level Goal; NTU = nephelometric turbidity units; ND = not detected.

< = average is less than the detection limit for reporting purposes; ppb = parts-per-billion; ppm = parts-per-million; MCL = Maximum Contaminant Level; NL = Notification Level; n/a = Not Applicable

*Contaminant is regulated by a secondary standard for aesthetics.

<table>
<thead>
<tr>
<th>Bacterial Quality</th>
<th>MCL</th>
<th>MCLG</th>
<th>Highest Monthly Percent Positives</th>
<th>MCL Violation?</th>
<th>Typical Source of Contaminant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform Bacteria</td>
<td>No more than 5% monthly positives</td>
<td>0</td>
<td>0%</td>
<td>No</td>
<td>Naturally present in the environment</td>
</tr>
</tbody>
</table>

**Lead and Copper Action Levels at Residential Taps**

<table>
<thead>
<tr>
<th>Metal</th>
<th>Action Level</th>
<th>Public Health Goal</th>
<th>90% Percentile Value</th>
<th>Exceeding AL / No. of Samples</th>
<th>AL Violation</th>
<th>Typical Source of Contaminant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (ppm)</td>
<td>1.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0 / 30</td>
<td>No</td>
<td>Corrosion of Household Plumbing</td>
</tr>
<tr>
<td>Lead (ppb)</td>
<td>15</td>
<td>0.2</td>
<td>&lt;5</td>
<td>0 / 30</td>
<td>No</td>
<td>Corrosion of Household Plumbing</td>
</tr>
</tbody>
</table>

The most recent lead and copper at-the-tap samples were collected from residences in 2016.

None of the 30 samples for lead and copper exceeded the respective Action Level (AL).

A regulatory Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Water Quality Goals**

The water Suburban delivers to your home meets standards required by USEPA, SWB and California Public Utilities Commission (PUC). Often, Suburban goes beyond what is required to monitor for constituents that have known health risks.

The company uses only independent, state-certified water quality laboratories for testing. The charts in this report include two types of water quality goals:

- **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 USEPA.
- **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.

**Water Quality Standards**

The quality of drinking water in the United States is regulated by the USEPA. Two state agencies, the SWB and the PUC, supplement and enforce federal USEPA standards. Standards established by these agencies are used to set limits for substances that may affect health or aesthetic qualities of water. The water quality charts in this report cover the following standards:

- **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 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 and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, as well as water treatment requirements.
- **Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Chloramines

Some areas in La Mirada receive water year-round from Suburban that contains a treatment chemical called chloramines. Chlorine and ammonia are combined at one of Suburban’s treatment facilities to produce these chloramines. Chloramines are added to the water for public health protection because they prevent regrowth of bacteria in the distribution system pipes and also reduce the formation of certain disinfection byproducts that are regulated in drinking water. All of Suburban’s water has some form of chlorine disinfectant residual at all times.

Be advised that kidney dialysis units and aquarium owners must remove chloramines from water prior to use.

Hospitals or dialysis centers should be aware of the chloramines from water and should install proper chlorine removal equipment, such as carbon adsorption units. Aquarium owners can use readily available products to remove or neutralize chlorine.

Chloraminated water is safe for people and animals to drink, and for all other general uses.

Should you have any questions or concerns regarding chloramine in your water, please contact Ken Reich, Quality Assurance Manager at (626) 543-2575.

Source Water and Water Quality Assessments

Suburban and Cal Domestic have completed source water assessments in accordance with the federal Safe Drinking Water Act. The purpose of the source water assessment is to promote source water protection by identifying types of activities in the proximity of sources which could pose a threat to the water quality.

Suburban and Cal Domestic source water assessments were completed in 2002 and concluded that groundwater sources are most vulnerable to the following activities or facilities associated with contaminants detected in the water supply: leaking underground storage tanks, known contaminant plumes from industrial waste discharges, and gas stations. In addition, the sources are considered most vulnerable to the following activities and facilities not associated with contaminants detected in the water supply: pesticide/fertilizer/petroleum storage and transfer areas, metal and machine shops, and agricultural drainage.

You may request a summary of the assessments by contacting Ken Reich, Quality Assurance Reporting Manager, at (626) 543-2575 or you may request a complete copy from the SWB at (818) 551-2049.

Water Quality Advisories

Chloramines

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The Quality of Your Water
Is Our Primary Concern

We value your input, concerns and suggestions. Please contact Lauren James, Communications Manager, at (626) 543-2531 or email her at LJames@swwc.com to inquire about possible future public participation opportunities. Also, please feel free to contact Ken Reich, Quality Assurance Reporting Manager, at (626) 543-2575, if you have any questions about water quality. In addition, a number of local water boards hold monthly meetings that are open to the public, including:

Central Basin Municipal Water District
Fourth Monday of the month, (323) 201-5500

Water Replenishment District of Southern California
Third Thursday of the month, (562) 921-5521

San Gabriel Basin Water Quality Authority
Third Wednesday of the month, (626) 338-5555

How to Read Your Water Meter

Your water meter is usually located between the sidewalk and curb under a cement cover. Remove the cover by inserting a screwdriver in the hole in the lid and then carefully lift the cover. The meter reads straight across, like the odometer on your car. Read only the black numbers (0895).

If you are trying to determine if you have a leak, turn off all the water in your home, both indoor and outdoor faucets, and then check the dial for any movement of the low-flow indicator. If there is movement, that indicates a leak between the meter and your plumbing system.

1. Low-Flow Indicator - The low flow indicator will spin if any water is flowing through the meter.

2. Sweep Hand - Each full revolution of the sweep hand indicates that one cubic foot of water (7.48 gallons) has passed through the meter. The markings at the outer edge of the dial indicate tenths and hundredths of one cubic foot.

3. Meter Register - The meter register is a lot like the odometer on your car. The numbers keep a running total of all the water that has passed through the meter. The register shown here indicates that 89,505 cubic feet of water has passed through this meter.

Public Participation Opportunities

This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

Arabic

Chinese

Hindi

Japanese

Korean

Tagalog

Vietnamese

Este reporte contiene información importante sobre su agua de beber. Tradúzcalo o hable con alguien que la entienda bien.

Japanese

Korean

Spanish

56

0

0895

0

1

2

3

4

5

6

7

8

9

CUBIC FEET
WATER
METER

Suburban Water Systems
A SouthWest Water Company

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www.swwc.com/suburban