

# 2017 City of POMONA Annual Water Quality Report

Water testing performed in 2016



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## Dear Valued Customers,

We are pleased to report that in 2016 the water delivered to your tap met or surpassed every public health requirement set by the State Water Resources Control Board/Division of Drinking Water (SWRCB/DDW) and the U.S. Environmental Protection Agency (USEPA).

The City of Pomona takes many steps to ensure water delivered to your tap is of high quality and meets all State and Federal requirements. City staff works diligently to operate and maintain a number of water related assets including reservoirs, wells, treatment plants, booster stations, disinfection equipment, sophisticated electronic control systems and a complex distribution pipeline system.

Ensuring this water is of the highest quality takes a great deal of work and attention to detail. Every year, the City conducts over 21,000 water quality tests to ensure your water meets drinking water standards. This report describes the results of laboratory analysis performed on the water samples collected during 2016. The Water Quality Report is also available online at [www.ci.pomona.ca.us/mm/2017CCR.pdf](http://www.ci.pomona.ca.us/mm/2017CCR.pdf)

The City of Pomona appreciates any comments you may have. If you have additional questions regarding your drinking water, please contact us at (909) 620-2251. You may also provide feedback to Pomona's City Council that meets regularly at 7:00 PM on the first and third Monday of each month in the Council Chambers, located at 505 S. Garey Avenue, Pomona.

Sincerely,

*City of Pomona Water – Wastewater Operations Department*

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

*Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.*

Mahalaga ang impormasyong ito. Mangyaring ipasalin ito.

Chi tiết này thật quan trọng. Xin nhớ người dịch cho quý vị.

此份有關你的食水報告,內有重要資料和訊息,請找他人為你翻譯及解釋清楚。

### Pomona City Council

Tim Sandoval, Mayor

**Rubio R. Gonzalez**  
Councilmember District 1

**Cristina Carrizosa**  
Councilmember District 3

**Ginna E. Escobar**  
Councilmember District 5

**Adriana Robledo**  
Councilmember District 2

**Elizabeth Ontiveros-Cole**  
Councilmember District 4

**Robert S. Torres**  
Councilmember District 6



## Where Does Your Water Come From?

In 2016, approximately 65% of the City of Pomona's water was produced from groundwater wells. Water from these wells is produced from three groundwater aquifers: Chino Basin, Six Basins, and Spadra Basin. The wells are located throughout the City of Pomona and in Claremont. Water is treated depending on the type of contaminant and concentrations found. We currently operate two air stripping facilities for removal of volatile organic compounds and four anion exchange facilities for nitrate and perchlorate removal.

An additional 5% of our water originates from the San Gabriel Mountains where it flows into San Antonio Canyon. This source is filtered and disinfected with chlorine at the Frank G. Pedley Memorial Filtration Plant in Claremont.

The remaining 30% of our water is purchased from Metropolitan Water District of Southern California (MWD) and Three Valleys Municipal Water District (TVMWD). MWD imports surface water from the Colorado River and Northern California. Colorado River water is brought via MWD's 242 mile Colorado River Aqueduct from an intake point at Lake Havasu on the California-Arizona border. Water supplies from Northern California are drawn from the Sacramento-San Joaquin Delta and are delivered to

Southern California via the 441 mile long California Aqueduct. These sources are treated and chloraminated at MWD's Weymouth Water Treatment Plant in the City of La Verne, and at TVMWD's Miramar Water Treatment Plant in the City of Claremont.



*View of one area of the San Antonio Canyon watershed.*

## Basic Information About Drinking Water Contaminants

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**, that 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 by-products 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.

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 (1-800-426-4791).

In order to ensure that tap water is safe to drink, the USEPA and the 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 provide the same protection for public health. Water quality is monitored per SWRCB permit requirements. Not all the chemicals are required to be tested annually. Some of the data shown in this report are the same as published in the previous year.



The City of Pomona strives to provide clean and reliable water supply to all of our residents and businesses.

## Important Health Information

**Lead:** 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. The City of Pomona 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 [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

**Nitrate** (as nitrogen) in drinking water at levels above 10 parts per million (ppm) 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 ppm 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.

**Cryptosporidium** is a microbial pathogen found in surface water throughout the U.S. Although filtration removes *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100 percent removal. Our monitoring indicates the presence of these organisms in our source water and/or finished water. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of *Cryptosporidium* may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

**Arsenic** is found in groundwater predominately due to erosion of arsenic-containing rock. When groundwater is the transport and exposure medium, the primary concern is ingestion as the route for greatest human exposure. Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage, circulatory problems and have an increased risk of getting cancer. In November 2008, the California MCL for arsenic was revised from 50 parts per billion (ppb), to 10 ppb.


## For People With Sensitive Immune Systems

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 (1-800-426-4791).

THE CITY OF POMONA, SAN ANTONIO WATER COMPANY AND CITY OF UPLAND HOST:

**SAN ANTONIO CANYON WATERSHED'S**

13th Annual **CLEAN-UP DAY**




Help keep our Water Supply Clean

July 8, 2017  
9:00am – 11:00am

Meet at:  
Shinn Road – Mt. Baldy  
Across from Fire Station 25  
at 3000 N. Mountain Rd

- ❖ COMFORTABLE CLOTHING AND SHOES RECOMMENDED
- ❖ CLEAN-UP MATERIALS WILL BE PROVIDED
- ❖ REFRESHMENTS WILL BE SERVED



FOR ADDITIONAL INFORMATION:  
DANA DIAZ (909) 802-7422



## Source Water Assessment

In accordance with SWRCB/DDW requirements, source water assessments are conducted regularly for all the active sources serving the City of Pomona. The assessments help to identify the vulnerability of drinking water supplies to contamination from typical human activities. These assessments are intended to provide basic information necessary for us to develop programs to protect our drinking water supplies.

The City of Pomona's groundwater sources are vulnerable to known contaminant plumes, human activities, and applications of fertilizers, pesticides, and herbicides. The San Antonio Watershed is considered most vulnerable to the following activities associated with contaminants detected in the water supply: recreation activities in and adjacent to the stream, forest fires, septic systems, and wastewater collection systems in the Mt. Baldy area.

Information about both of these source water assessments is available at: State Water Resources Control

Board, Division of Drinking Water, Southern California Branch, 500 North Central Ave., Suite 500, Glendale, CA 91203. Phone number is (818) 551-2004.

MWD and TVMWD monitor water resources from the Colorado River and California State Water Project. Colorado River supplies are considered to be most vulnerable to recreation, urban/storm water runoff, increasing urbanization in the watershed and wastewater. State Water Project supplies are considered to be most vulnerable to urban/stormwater runoff, wildlife, agriculture, recreation and wastewater. A copy of the Integrated Water Resources Plan (IRP) can be obtained by contacting MWD at (213) 217-6000 or TVMWD at (909) 621-5568.

## Water Conservation

On May 9th, 2016 Governor Jerry Brown issued an Executive Order "Making Conservation a California Way of Life". The statewide emergency regulations were replaced on May 18th, 2016, and required the City to develop conservation standards at the local level. On July 18, 2016, the Pomona City Council enacted level I water use restrictions, asking for a 10% reduction in water use from residents and local businesses. Please see the last page of this report for information on how you can do your part in this important effort. Also check out these key water saving tips below:

### Outdoors

- Replace grass with drought tolerant plants. Visit [www.bewaterwise.com](http://www.bewaterwise.com) for a list of drought tolerant plants as well as other water conservation information.
- Place plants with high water needs at the high point of the yard, so the water can irrigate other plants going downhill.
- "Grasscycling" is leaving grass clippings on the lawn after mowing. It helps reduce the amount of water used on lawns and provides nutrients once decomposed. Visit [www.smartgardening.com](http://www.smartgardening.com) for more information.
- Create a custom water schedule and regularly adjust your sprinkler time to a budget suggested by the published water index.
- Repair sprinkler leaks and adjust for blocked spray and runoff to avoid water waste.
- Install a smart sprinkler timer that will adjust to changing conditions.
- Choose a water efficient irrigation system, such as drip



The flower of Euphorbia Milii plant. It grows well in dry hot weather.

irrigation for your trees, shrubs, etc.

### Indoors

- Install aerators on all faucets to reduce flows to less than 1 gallon per minute.
- Check for and repair all leaks. Small household leaks can add up to gallons of water lost every day.
- Turn off the tap while shaving or brushing teeth.
- Spend 5 minutes in the shower. If you take a bath, only fill it half way.
- Installing a high efficiency toilet saves 19 gallons of water per person/day.
- If you have a dishwasher, opt to use it only when it is fully loaded. If you hand wash dishes, fill one side of the sink with wash water and the other side with rinse water. Do not let the faucet run.
- Collect water while rinsing fruits and vegetables and use it to water house plants.
- Keep a pitcher of drinking water in the refrigerator instead of letting the tap run until it gets cold.

# 2016 Water Quality Table



## Definitions and Abbreviations

**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 USEPA.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the 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.

**Notification Level (NL)** - The level at which notification of the public water system's governing body is required.

**Primary Drinking Water Standard** - MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment 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.

**Secondary Standards** - Secondary Standards relate to aesthetic qualities such as taste, odor, and color. These are set by the SWRCB.

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

**=** Denotes "equals"  
**≤** Denotes "less than or equal to"  
**AI** Aggressiveness Index  
**DLR** Detection Limit for Purposes of Reporting  
**LRAA** Locational Running Annual Average

**N/A** Not Applicable  
**ND** Non-Detect  
**NR** Not Required  
**NTU** Nephelometric Turbidity Units  
**pCi/L** picoCuries per Liter  
**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)  
**RAA** Running Annual Average  
**TON** Threshold Odor Number  
**µS/cm** microsiemens per centimeter

## Pomona Water Distribution System

|  |     | State or Federal MCL Units | PHG (MCLG) [MRDLG] | State DLR | Range Average                       | DISTRIBUTION SYSTEM-WIDE | Violation | Typical Source of Contamination   |
|--|-----|----------------------------|--------------------|-----------|-------------------------------------|--------------------------|-----------|---|
| <b>Primary Standards - Mandatory Health Related Standards</b>                                      |     |                            |                    |           |                                     |                          |           |   |
| <b>MICROBIOLOGICAL</b>   |     |                            |                    |           |                                     |                          |           |   |
| <b>Total Coliform Bacteria</b>   | %   | 5.0 (a)                    | (0)                | N/A       | Range<br>Highest Monthly Percentage | 0-4.3<br>4.3             | No        | Naturally present in the environment  |
| <b>DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, &amp; DISINFECTION BY-PRODUCTS PRECURSORS</b> |     |                            |                    |           |                                     |                          |           |   |
| <b>Total Trihalomethanes</b>   | ppb | 80                         | N/A                | N/A       | Range<br>Highest LRAA               | ND-41<br>30.5            | No        | By-product of drinking water disinfection   |
| <b>Haloacetic Acids</b>  | ppb | 60                         | N/A                | N/A       | Range<br>Highest LRAA               | ND-14<br>9.4             | No        | By-product of drinking water disinfection   |
| <b>Total Chlorine Residual (as Cl<sub>2</sub>)</b>   | ppm | [4.0]                      | [4]                | N/A       | Range<br>Highest RAA                | ND-2.20<br>1.02          | No        | Drinking water disinfectant added for treatment   |
| <b>LEAD AND COPPER RULE (b)</b>  |     |                            |                    |           |                                     |                          |           |   |
| <b>Copper</b>  | ppm | AL=1.3                     | 0.3                | 0.05      | 90th Percentile<br># Sites above AL | 0.10<br>0                | N/A       | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives               |
| <b>Lead</b>  | ppb | AL=15                      | 0.2                | 5         | 90th Percentile<br># Sites above AL | 4.5<br>0                 | N/A       | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |

# 2016 Water Quality Table



## Pomona Water and Imported Water

|   | State or Federal PHG |                |           |               | POMONA WATER     |                     | IMPORTED WATER          |                      |                        | Typical Source of Contamination |   |
|---|----------------------|----------------|-----------|---------------|------------------|---------------------|-------------------------|----------------------|------------------------|---------------------------------|---|
|   | MCL Units [MRDL]     | (MCLG) [MRDLG] | State DLR | Range Average | Ground Water     | Plant Effluent      | Weymouth Plant Effluent | Miramar Ground Water | Miramar Plant Effluent |                                 |   |
| <b>Primary Standards - Mandatory Health Related Standards</b> |                      |                |           |               |                  |                     |                         |                      |                        |                                 |   |
| <b>CLARITY</b>  |                      |                |           |               |                  |                     |                         |                      |                        |                                 |   |
| Plant Effluent  | NTU                  |                | N/A       | N/A           | Highest          | N/A                 | 0.23                    | 0.03                 | 0.64                   | 0.08                            | Soil runoff   |
| Turbidity (c)   | % TT=95%             | N/A            | N/A       | %≤NTU (c)     | N/A              | 100                 | 100                     | 100                  | 100                    | 100                             |   |
| <b>ORGANIC CHEMICALS</b>                                      |                      |                |           |               |                  |                     |                         |                      |                        |                                 |   |
| 1,1-Dichloroethylene  | ppb                  | 6              | 10        | 0.5           | Range<br>Average | ND-3.2<br>0.9       | ND<br>ND                | ND<br>ND             | ND<br>ND               | ND<br>ND                        | Discharge from industrial chemical factories  |
| Tetrachloroethylene   | ppb                  | 5              | 0.06      | 0.5           | Range<br>Average | ND-4.3<br>1.2       | ND<br>ND                | ND<br>ND             | ND<br>ND               | ND<br>ND                        | Discharge from factories, dry cleaners, and auto shops  |
| Trichloroethylene   | ppb                  | 5              | 1.7       | 0.5           | Range<br>Average | ND-5.7 (d)<br>2.2   | ND<br>ND                | ND<br>ND             | ND<br>ND               | ND<br>ND                        | Discharge from metal degreasing sites and other factories   |
| <b>INORGANIC CHEMICALS</b>                                    |                      |                |           |               |                  |                     |                         |                      |                        |                                 |   |
| Aluminum (e)  | ppb                  | 1000           | 600       | 50            | Range<br>Average | ND-62<br>ND         | 130-180<br>157          | 77-220<br>159        | ND<br>ND               | ND<br>ND                        | Erosion of natural deposits; residue from some surface water treatment processes  |
| Arsenic   | ppb                  | 10             | 0.004     | 2             | Range<br>Average | ND-2.1<br>ND        | ND<br>ND                | ND<br>ND             | ND<br>ND               | ND-2.4<br>1.47                  | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes                                      |
| Barium  | ppm                  | 1              | 2         | 0.1           | Range<br>Average | ND-0.1<br>ND        | ND<br>ND                | 0.14<br>0.14         | ND<br>ND               | ND<br>ND                        | Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits  |
| Fluoride  | ppm                  | 2.0            | 1         | 0.1           | Range<br>Average | 0.20-0.55<br>0.31   | 0.28-0.36<br>0.32       | 0.6-1.0<br>0.7       | 0.59<br>0.59           | 0.24<br>0.24                    | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories        |
| Hexavalent Chromium   | ppb                  | 10             | 0.02      | 1             | Range<br>Average | ND-6.4<br>3.1       | ND<br>ND                | ND<br>ND             | ND-1.1<br>0.55         | ND<br>ND                        | Discharge from industrial waste factories; erosion of natural deposits  |
| Nitrate (as N)  | ppm                  | 10             | 10        | 0.4           | Range<br>Average | 0.7-7.3<br>4.6      | ND<br>ND                | ND<br>ND             | ND-1.2<br>0.52         | 2.4-3.0<br>2.7                  | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits                     |
| Perchlorate   | ppb                  | 6              | 6         | 4             | Range<br>Average | ND<br>ND            | ND<br>ND                | ND<br>ND             | ND<br>ND               | ND<br>ND                        | A chemical used in solid rocket propellant, fireworks, explosives, flares, matches, fertilizers, and in a variety of industries |
| <b>RADIOLOGICALS (f), (k)</b>                                 |                      |                |           |               |                  |                     |                         |                      |                        |                                 |   |
| Gross Alpha Particle Activity                                 | pCi/L                | 15             | (0)       | 3             | Range<br>Average | ND-8.6 (g)<br>ND    | ND (g)<br>ND            | ND-4<br>ND           | ND<br>ND               | ND<br>ND                        | Erosion of natural deposits   |
| Gross Beta Particle Activity                                  | pCi/L                | 50             | (0)       | 4             | Range<br>Average | ND (h)<br>ND        | ND (h)<br>ND            | 4-6<br>5             | NR<br>NR               | ND<br>ND                        | Decay of natural and manmade deposits   |
| Strontium-90  | pCi/L                | 8              | 0.35      | 2             | Range<br>Average | ND (i)<br>ND        | ND (i)<br>ND            | ND<br>ND             | NR<br>NR               | 0.055<br>0.055                  | Decay of natural and manmade deposits   |
| Uranium   | pCi/L                | 20             | 0.43      | 1             | Range<br>Average | 1.3-6.9 (j)<br>2.75 | N/A (j)<br>N/A          | 2-3<br>3             | 1.4-2.1<br>1.9         | due 2019                        | Erosion of natural deposits   |

# 2016 Water Quality Table



## Pomona Water and Imported Water

|  | State or Federal Units [MRDL] | PHG (MCLG) [MRDLG] | State DLR | Range Average | POMONA WATER  |                | IMPORTED WATER          |                      |                        | Typical Source of Contamination |   |
|--|-------------------------------|--------------------|-----------|---------------|---------------|----------------|-------------------------|----------------------|------------------------|---------------------------------|---|
|  |                               |                    |           |               | Ground Water  | Plant Effluent | Weymouth Plant Effluent | Miramar Ground Water | Miramar Plant Effluent |                                 |   |
| <b>Secondary Standards - Aesthetic Standards</b> |                               |                    |           |               |               |                |                         |                      |                        |                                 |   |
| <b>Chloride</b>                                  | ppm                           | 500                | N/A       | N/A           | Range Average | 6.7-100<br>69  | 3.3-3.4<br>3.4          | 103<br>100           | 8.1<br>8.1             | 88<br>88                        | Runoff/leaching from natural deposits; seawater influence   |
| <b>Color</b>                                     | Color Units                   | 15                 | N/A       | N/A           | Range Average | ND<br>ND       | ND<br>ND                | 1<br>1               | ND<br>ND               | ND<br>ND                        | Naturally-occurring organic materials                       |
| <b>Foaming Agents (MBAS)</b>                     | ppm                           | 0.5                | N/A       | N/A           | Range Average | ND<br>ND       | ND-0.14<br>0.07         | ND<br>ND             | ND<br>ND               | 0.2-0.28<br>0.22                | Municipal and industrial waste discharges                   |
| <b>Specific Conductance</b>                      | µS/cm                         | 1600               | N/A       | N/A           | Range Average | 400-940<br>666 | 360-370<br>365          | 1035<br>1035         | 410<br>410             | 520-630<br>575                  | Substances that form ions when in water; seawater influence |
| <b>Sulfate</b>                                   | ppm                           | 500                | N/A       | 0.5           | Range Average | 20-160<br>60   | 20-26<br>23             | 256-259<br>258       | 28<br>28               | 80<br>80                        | Runoff/leaching from natural deposits; industrial wastes    |
| <b>Odor Threshold</b>                            | TON                           | 3                  | N/A       | 1             | Range Average | ND-3<br>1.3    | 2<br>2                  | 2<br>2               | 1<br>1                 | 1<br>1                          | Naturally-occurring organic materials                       |
| <b>Total Dissolved Solids</b>                    | ppm                           | 1000               | N/A       | N/A           | Range Average | 240-580<br>409 | 220-230<br>225          | 650-359<br>655       | 344-451<br>395         | 360<br>360                      | Runoff/leaching from natural deposits                       |
| <b>Turbidity (Pomona Distribution System)</b>    | NTU                           | 5                  | N/A       | 0.1           | Range Average |                |                         | ND-3.5<br>ND         |                        |                                 | Soil runoff   |

### Required Monitoring

#### FEDERAL UNREGULATED CONTAMINANT MONITORING RULE - THIRD CYCLE (UCMR3) (1)

|                            |     |        |      |          |               |  |  |                 |  |  |   |
|----------------------------|-----|--------|------|----------|---------------|--|--|-----------------|--|--|---|
| <b>1,1-Dichloroethane</b>  | ppb | 5      | 3    | 0.03 (m) | Range Average |  |  | ND-0.048<br>ND  |  |  | Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant |
| <b>1,4-Dioxane</b>         | ppb | NL=1   | N/A  | 0.07 (m) | Range Average |  |  | ND-0.54<br>0.20 |  |  | -   |
| <b>Chlorate</b>            | ppb | NL=800 | N/A  | 20 (m)   | Range Average |  |  | 69-500<br>176   |  |  | By-product of drinking water chlorination; industrial processes   |
| <b>Hexavalent Chromium</b> | ppb | N/A    | 0.02 | 0.03 (m) | Range Average |  |  | ND-4.8<br>2.0   |  |  | Discharge from industrial waste factories; erosion of natural deposits  |
| <b>Molybdenum</b>          | ppb | N/A    | N/A  | 1 (m)    | Range Average |  |  | ND-3.9<br>2.2   |  |  | -   |
| <b>Strontium</b>           | ppb | N/A    | N/A  | 0.3 (m)  | Range Average |  |  | 240-780<br>491  |  |  | -   |
| <b>Total Chromium</b>      | ppb | 50     | N/A  | 0.2 (m)  | Range Average |  |  | ND-4.7<br>2.1   |  |  | Discharge from steel and pulp mills and chrome plating; erosion of natural deposits                                 |
| <b>Vanadium</b>            | ppb | NL=50  | N/A  | 0.2 (m)  | Range Average |  |  | 1.6-5.2<br>3.5  |  |  | Naturally-occurring; industrial waste discharge   |



View from Pedley Filtration Plant looking at the snow pack in the San Antonio Mountains, which will distribute into the local watershed.

# 2016 Water Quality Table



## Pomona Water and Imported Water

|  | State or Federal |          | PHG (MCLG) [MRDLG] | State DLR | Range Average    | POMONA WATER        |                | IMPORTED WATER          |                      |                        | Typical Source of Contamination  |
|--|------------------|----------|--------------------|-----------|------------------|---------------------|----------------|-------------------------|----------------------|------------------------|--|
|  | MCL [MRDL]       | Units    |                    |           |                  | Ground Water        | Plant Effluent | Weymouth Plant Effluent | Miramar Ground Water | Miramar Plant Effluent |  |
| <b>Additional Parameters</b>                 |                  |          |                    |           |                  |                     |                |                         |                      |                        |  |
| <b>1,4-Dioxane (n)</b>                       | ppb              | NL=1     | N/A                | 1         | Range<br>Average | ND-3.0<br>1.6       | N/A<br>N/A     | N/A<br>N/A              | N/A<br>N/A           | N/A<br>N/A             | Manufactured chemical primarily used as a stabilizer for chlorinated solvents  |
| <b>Alkalinity (as CaCO<sub>3</sub>)</b>      | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 100-200<br>142      | 150-160<br>155 | 113-124<br>118          | 160<br>160           | 61-92<br>78            | -  |
| <b>Boron</b>                                 | ppb              | NL=1000  | N/A                | 100       | Range<br>Average | N/A<br>N/A          | N/A<br>N/A     | 150<br>150              | 180<br>180           | 210-270<br>240         | Runoff/leaching from natural deposits; industrial wastes   |
| <b>Calcium</b>                               | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 49-100<br>71        | 54-55<br>55    | 75-79<br>77             | 50<br>50             | 26-31<br>28.5          | -  |
| <b>Chlorate</b>                              | ppb              | NL=800   | N/A                | 20        | Range<br>Average | N/A<br>N/A          | N/A<br>N/A     | 60<br>60                | NR<br>NR             | ND<br>ND               | By-product of drinking water chlorination; industrial processes  |
| <b>Corrosivity (as Aggressiveness Index)</b> | AI               | N/A      | N/A                | N/A       | Range<br>Average | 12-13<br>12.6       | 13<br>13       | 12.4-12.5<br>12.5       | NR<br>NR             | 12.4<br>12.4           | -  |
| <b>Hardness (as CaCO<sub>3</sub>)</b>        | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 150-350<br>238      | 170-18<br>175  | 293-306<br>300          | 160<br>160           | 120<br>120             | "Hardness" is the sum of polyvalent cations present in the water, generally magnesium and calcium. These cations are usually naturally occurring |
| <b>Magnesium</b>                             | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 6.8-25<br>14        | 9-10<br>9.5    | 25-27<br>26             | 8.4<br>8.4           | 10<br>10               | -  |
| <b>pH</b>                                    | pH Units         | N/A      | N/A                | N/A       | Range<br>Average | 7.7-8.4<br>8.0      | 8.3<br>8.3     | 8.1<br>8.1              | 7.9<br>7.9           | 8.6-8.63<br>8.62       | -  |
| <b>Potassium</b>                             | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 1.4-3.7<br>2.2      | 1.9<br>1.9     | 5.0-5.1<br>5.1          | 1.4<br>1.4           | 2.7<br>2.7             | -  |
| <b>Sodium</b>                                | ppm              | N/A      | N/A                | N/A       | Range<br>Average | 9-78<br>31          | 8-8.4<br>8.2   | 104-106<br>105          | ND<br>ND             | 81<br>81               | "Sodium" refers to the salt present in the water and is generally naturally occurring  |
| <b>Total Organic Carbon</b>                  | ppm              | TT       | N/A                | 0.3       | Range<br>Average | N/A<br>N/A          | ND-1<br>0.40   | 1.7-2.8<br>2.5          | ND<br>ND             | 1.6-2.8<br>2.2         | Various natural and manmade sources  |
| <b>Trichloropropane (1,2,3-TCP)</b>          | ppb              | NL=0.005 | 0.0007             | 0.005     | Range<br>Average | ND-0.0138 (o)<br>ND | ND<br>ND       | N/A<br>N/A              | ND<br>ND             | ND<br>ND               | Industrial solvent and degreasing/cleaning agent; found in soil fumigants  |
| <b>Vanadium</b>                              | ppb              | NL=50    | NA                 | 3         | Range<br>Average | N/A<br>N/A          | N/A<br>N/A     | ND<br>ND                | NR<br>NR             | 7.1-9.6<br>8.35        | Naturally occurring; industrial waste discharge  |

### For More Information

Please contact Nick Capogni, Water Treatment and Quality Supervisor, for questions relating to your drinking water quality at **(909) 620-2251** during regular hours of operation (M-Th 6:30 AM to 5:00 PM).

For water quality concerns outside of regular working hours, please call dispatch at **(909) 622-1241**.



# 2016 Water Quality Table



## Footnotes

- (a) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform-positive. Compliance is based on the combined distribution system sampling.
- (b) The Lead and Copper Rule requires water samples to be collected at the consumer's tap. If the AL is exceeded in more than 10% of the consumer tap samples, steps must be taken to reduce these contaminants. A total of 67 sites were sampled in 2016. Both lead and copper results at the 90th percentile were below the action level; therefore no action was required.
- (c) Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity level of filtered water shall be less than or equal to 0.2 NTU in 95% of measurements taken each month for the City of Pomona's Pedley Filtration Plant and less than or equal to 0.3 NTU in 95% of measurements taken each month for Weymouth and Miramar Treatment Plants.
- (d) Although the range for Trichloroethylene was above 5 ppb with seven (7) samples throughout 2016, the average for the month(s) for compliance sampling was under 5 ppb. There was no exceedance of MCL.
- (e) Aluminum has both a primary and a secondary standard. The secondary MCL for aluminum is 200 ppb.
- (f) Radiological data for Pomona was monitored from 2007-2016.
- (g) Gross Alpha Particle Activity data for Pomona groundwater was monitored from 2007-2016; and Pomona (surface water) Plant Effluent was collected in 2015.
- (h) Gross Beta Particle Activity data for Pomona groundwater was monitored from 2007-2008; and Pomona (surface water) Plant Effluent was collected in 2012.
- (i) Strontium-90 data for Pomona groundwater was collected in 2007; and Pomona (surface water) Plant Effluent was collected in 2010.
- (j) Uranium data for Pomona groundwater was monitored from 2007-2016; and Pomona (surface water) Plant Effluent was not monitored between 2007-2016 per Revised Radionuclide Monitoring.
- (k) Radiological data for imported water from Weymouth Plant effluent, Miramar Groundwater, Miramar Plant effluent was collected in 2016.
- (l) Data collected for Unregulated Contaminant Monitoring Rule- Third Cycle (UCMR3) helps EPA and the SWRCB to determine where certain contaminants occur and whether the contaminants need to be regulated. Data for Pomona was collected May 2013 - March 2015. Data for imported water via Weymouth and Miramar is N/A.
- (m) Federal minimum reporting levels for UCMR
- (n) SWRCB/DDW required monitoring for 2016. Results (shown) are 4 of 30 wells that were recommended to be monitored quarterly. SWRCB/DDW's Response Level to which removal of a source is recommended, is 35 times the NL. Some people who drink water containing 1,4-Dioxane in excess of the Notification Level over many years may experience liver or kidney problems and may have an increased risk of getting cancer, based on studies in laboratory animals.
- (o) The initial groundwater monitoring was conducted in 2016. Only 1 of 18 wells sampled exceeded the NL. MCL to be established in 2017.



*Over 21,000 water quality tests performed in 2016 to meet SWRCB/DDW standards.*

**Did you know?** The cloudy water (also known as white water) you see at times coming from your faucet is caused by tiny air bubbles in the water? It is completely harmless. If you leave the water in a clear container, such as a glass, the air dissipates quickly and the cloudiness disappears.



**CONSERVE**

Dear Pomona Customers:

The drought is not over and it is important to make water conservation a “California Way of Life”. The City of Pomona has adopted a Level I Water Shortage response that requires a 10% reduction from all customers, limits watering days, and implements other rules, as follows.

**Outdoor Watering Schedules - Level 1 Water Shortage:**

**April - October (Only water 3 days per week)**

Odd Address – Tuesday, Thursday, and Saturday

Addresses ending with 1, 3, 5, 7, 9

Even Address – Monday, Wednesday, and Friday

Addresses ending with 0, 2, 4, 6, 8

**November – March (Only water 1 day per week)**

Odd Address – Thursday

Addresses ending with 1, 3, 5, 7, 9

Even Address – Monday

Addresses ending with 0, 2, 4, 6, 8

**DO**

- Fix leaks, breaks, or problems with your water system within 72 hours
- Water outdoors only on your assigned days (*Tip – up to 15 minutes in 3 to 5 minute increments*)
- Adjust sprinklers and irrigation timers to prevent overspray and runoff from property
- Turn off sprinklers within and after 48 hours of significant rainfall
- Use a broom to clean sidewalks, patios, and driveways
- If you wash your own vehicle, use a bucket or a hose with a shut-off nozzle

**DON'T**

- Water between 10 a.m. and 6 p.m.
- Water outdoor landscapes in a manner that causes excess runoff
- Wash a vehicle with a hose, unless the hose is fitted with a shut-off nozzle
- Operate a fountain or decorative water feature, unless the water is a recirculating system
- Wash down sidewalks and driveways (except for health and safety reasons)

**Water Watcher 24 Hour Reporting Line (909) 620-2244**

Rebates available at [www.socalwatersmart.com](http://www.socalwatersmart.com)

For water-saving tips, please visit [www.bewaterwise.com](http://www.bewaterwise.com) or [www.ci.pomona.ca.us](http://www.ci.pomona.ca.us)



**THANK YOU FOR CONSERVING WATER!**