

# 2015 Annual Water Quality Report

Suburban-Rosemont  
PWS ID: 3410010



## A Message from California American Water President Rob MacLean

Dear Customer:

The attached water quality report is our “report card” that gives you the results of the quality of the water we provided to your business or home in 2015. Since 2015 was the 4th year of the worst drought to hit California in 100 years, I want to thank you for your water conservation efforts throughout last year. The drought is a good reminder of how precious water is, and how much we can do to reduce our use when needed.

This report includes information about the quality of the water we provide to our customers. As you read through our Annual Water Quality Report, you will see that we continue to supply water that meets or surpasses all state and federal water quality standards. Better yet, the price you pay for this high quality water service remains about one penny per gallon.

Due to recent events in Flint, Michigan, I want to draw your attention to the sections of this report related to lead that demonstrate our compliance with the lead standard and provide helpful information for customers wishing to learn more about this topic. You can find more information on our [lead fact sheet](#), or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead)

Water is still an exceptional value when you consider the facilities and technology needed to draw water from the source and treat it, along with miles and miles of pipeline hidden below the ground to bring water to your tap. What’s more, our plant operators, water quality experts, engineers and maintenance crews work around the clock to make sure that quality water is always there when you need it. Delivering reliable, high-quality water service also requires significant investment to maintain and upgrade aging facilities. In 2015 alone, we invested more than more than \$64 million in local infrastructure across California.

Because water is essential for public health, fire protection, economic development and overall quality of life, California American Water’s employees are committed to ensuring that quality water keeps flowing not only today but well into the future.

Sincerely,

Robert G. MacLean  
President

This report contains important information about your drinking water. Translate it, or speak with someone who understands it at (888) 237-1333.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien al (888) 237-1333.

Ntawm no yog ib co lus qhia tseem ceeb heev txog koj cov dej seb huv npaum li cas. Yog tias koj xav tau kev pab txhais cov lus qhia no, thov hu rau peb ntawm (888) 237-1333.

這是關於您的水質的十分重要的資訊。如果您需要幫助翻譯此資訊請致電(888) 237-1333 與我們聯繫。

आपके पानी की गुणवत्ता के बारे में यह बहुत महत्वपूर्ण सूचना है। यदि इस सूचना के अनुवाद के लिए आपको सहायता की जरूरत हो, तो कृपया (888) 237-1333 पर हमें काल करें।

Это очень важная информация о качестве Вашей воды. Если Вам требуется перевод этой информации, позвоните нам по телефону (888) 237-1333.

Ito ay isang napakahalagang impormasyon tungkol sa kalidad ng iyong tubig. Kung iyang kailangan ng tulong sa pagsalin ng impormasyon na ito, mangyaring tumawag sa amin sa (888) 237-1333.

Đây là thông tin rất quan trọng về chất lượng nước của quý vị. Nếu quý vị cần thông dịch thông tin này, xin gọi chúng tôi theo số (888) 237-1333.

## Our Commitment to Quality

Once again, we proudly present our Annual Water Quality Report. This document covers compliance testing completed through December 2015. We are pleased to tell you that our compliance with state and federal drinking water regulations remains exemplary. As in the past, we are committed to delivering the best quality drinking water. To that end, we remain vigilant in meeting the challenges of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.

## About California American Water

California American Water, a subsidiary of American Water (NYSE: AWK), provides high-quality and reliable water and/or wastewater services to more than 615,000 people.

## About American Water

American Water is the largest and most geographically diverse publicly traded U.S. water and wastewater utility company. Marking its 130th anniversary this year, the company employs 6,700 dedicated professionals who provide regulated and market-based drinking water, wastewater and other related services to an estimated 15 million people in 47 states and Ontario, Canada. More information can be found by visiting [www.amwater.com](http://www.amwater.com).

### What is a Consumer Confidence Report (CCR)?

To comply with state and U.S. Environmental Protection Agency (USEPA) regulations, California American Water issues a report annually describing the quality of your drinking water. This report is also called an Annual Water Quality Report and the purpose of this report is to raise your understanding of drinking water and awareness of the need to protect your drinking water sources. In 2015, we conducted thousands of tests at numerous sampling points in your water system, all of which were below state and federal maximum allowable levels. This report provides an overview of last year's water quality. It includes details about where your water comes from and what it contains. The data presented in this report is a combination of data from our nationally recognized main water quality lab, and commercial laboratories, all certified in drinking water testing by the State Water Resources Control Board, Division of Drinking Water (formerly California Department of Public Health).

If you have any questions about this report or your drinking water, please call our Customer Service Center at (888) 237-1333

### Share this Report

Landlords, businesses, schools, hospitals and other groups are encouraged to share this important water quality information with water users at their location who are not billed customers of California American Water and therefore do not receive this report directly.

### About Your Water

Water in the Suburban-Rosemont system comes from deep wells that pump groundwater from aquifers here in the Sacramento Valley. California American Water uses various drinking water treatment technologies to treat the groundwater used in the Suburban-Rosemont system including: granular activated carbon (GAC) to remove low-levels of organic chemical contaminants, fluoridation to promote dental health, iron and manganese removal, and chlorination of the water to ensure that the water supply meets bacteriological quality standards.

California American Water also purchases surface water from the City of Sacramento for the Suburban-Rosemont system. The water from the City of Sacramento originates from the American and Sacramento Rivers. These surface water supplies are treated by conventional treatment technologies: coagulation, sedimentation and filtration (using sand and anthracite filters), lime addition for corrosion control, fluoridation to promote dental health, and chlorination for disinfection.

The water supply is distributed for residential and commercial use.

### Notice of Source Water Assessment

An assessment of the drinking water sources in the Suburban system was completed in February 2003. The sources



are considered most vulnerable to the following activities (associated with detected chemicals): sewer collection systems, known contaminant plumes, military installations, fertilizer, and pesticide/herbicide application.

Although not associated with any detected chemicals the sources are also considered vulnerable to dry cleaners, plastics/synthetics producers, automobile gas stations, underground storage tanks – confirmed leaking tanks, metal plating/finishing/fabricating, and chemical/petroleum processing/storage.

A copy of the completed assessment may be viewed at California American Water, 4701 Beloit Drive, Sacramento, CA 95838.

### Information Regarding Contaminants Detected In Your Water **Cryptosporidium Monitoring**

*Cryptosporidium* is a microbial pathogen found in surface waters throughout the U.S. Although filtration removes *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100% removal. Monitoring indicates the presence of these organisms in 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 are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult their health care provider 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. You can obtain more information on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants by calling the USEPA's Safe Drinking Water Hotline at (800) 426-4791.

### Nitrate

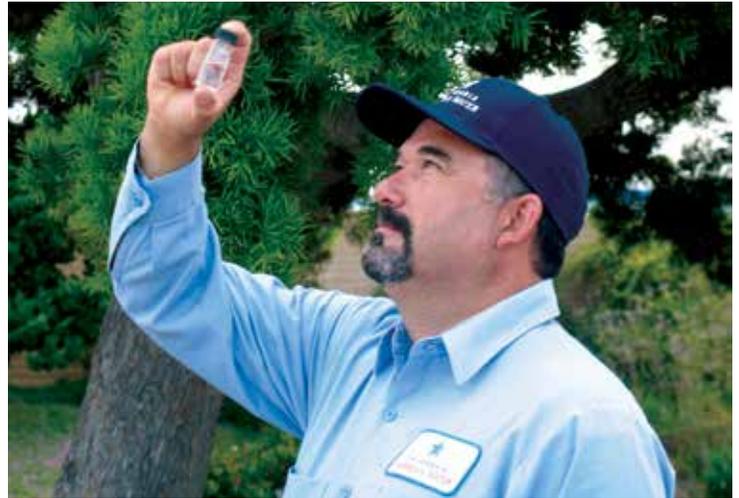
Nitrate in drinking water at levels above 10 mg/L is a health risk for infants less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of 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 for advice from your health care provider.

### Radon

Radon is a radioactive gas that you cannot see, taste, or smell. It is found throughout the United States. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water when showering, washing dishes, or doing other household activities with water. Compared to radon entering the home through soil, radon entering the home through tap water in most cases will be a minor source in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air inside. Testing is inexpensive and easy. You should pursue radon removal for your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are not too costly. For additional information, call your state radon program at (800) 745-7236, the USEPA Safe Drinking Water Hotline at (800) 426-4791, or the National Safety Council's Radon Hotline at (800) SOS-RADON.

### Unregulated Contaminant Monitoring

The USEPA created the Unregulated Contaminants Monitoring Rule (UCMR) to assist them in determining the occurrence of unregulated contaminants in drinking water and whether new regulations are warranted. The first Unregulated Contaminants Monitoring Rule (UCMR1) testing was completed in 2003 for a list of contaminants specified by the USEPA. Unregulated contaminants are those for which the USEPA has not established drinking water standards. The second testing cycle (UCMR2) was conducted between November 2008 and August 2009. The third cycle (UCMR3) began in January 2013 and is in various stages of implementation through December 2015. The results from the UCMR monitoring are reported directly to the USEPA and mostly not detected. The results of this monitoring are incorporated in the data tables in this report as appropriate. For more information, contact our Customer Service Center at (888) 237-1333.



### Fluoride

Fluoride is a naturally occurring substance. It can be present in drinking water from two sources: 1) by nature when groundwater comes into contact with fluoride-containing minerals naturally present in the earth; or 2) by a water purveyor through the addition of fluoride to the water before the water is put in the distribution system. In the Suburban-Rosemont system, fluoride is added to the water supply at concentrations based on state fluoride regulations managed by the State Water Resources Control Board, Division of Drinking Water and the Office of Oral Health. According to these agencies, when fluoride is present in drinking water at optimal levels, it has been shown to promote oral health by preventing tooth decay.

### What are the Sources of 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 human activity. Groundwater sources are typically less susceptible to surficial contaminants than surface water systems.

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

Contaminants that may be present in source water include:

**Microbial Contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

**Inorganic Contaminants**, such as salts and metals, which can be naturally occurring or may result from urban stormwater 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 stormwater runoff, and residential uses.

**Organic Chemical Contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and may also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.

**Radioactive Contaminants**, which can be naturally occurring or may be the result of oil and gas production and mining activities.

### Source Water Protection Tips for Consumers

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water sources in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water sources.
- Pick up after your pets.
- Dispose of chemicals properly; take used motor oil and antifreeze to a recycling center. ([www.emd.sacounty.net/HowDoI/DisposeofHouseholdHazardousWaste.html](http://www.emd.sacounty.net/HowDoI/DisposeofHouseholdHazardousWaste.html))
- Do not dispose of unused medications down the drain.
- Use environmentally friendly soaps and detergents when washing your vehicles.

### Educational Information – Special Health Information

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. You can obtain more information about contaminants and potential health effects by calling the USEPA's Safe Drinking Water Hotline at (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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA and the Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline at (800) 426-4791.



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. California American Water is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been idle 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).

### How to Contact Us

If you have any questions about this report, your drinking water, or service, please call California American Water's Customer Service toll free at (888) 237-1333.

### Water Information Sources

**California American Water**  
[www.californiaamwater.com](http://www.californiaamwater.com)

**State Water Resources Control Board, Division of Drinking Water**  
[www.waterboards.ca.gov/drinking\\_water/programs/index.shtml](http://www.waterboards.ca.gov/drinking_water/programs/index.shtml)

**United States Environmental Protection Agency (USEPA)**  
[www.epa.gov/safewater](http://www.epa.gov/safewater)

**Safe Drinking Water Hotline**  
(800) 426-4791

**Centers for Disease Control and Prevention**  
[www.cdc.gov](http://www.cdc.gov)

**American Water Works Association**  
[www.awwa.org](http://www.awwa.org)

**Water Quality Association**  
[www.wqa.org](http://www.wqa.org)

**National Library of Medicine/National Institute of Health**  
[www.nlm.nih.gov/medlineplus/drinkingwater.html](http://www.nlm.nih.gov/medlineplus/drinkingwater.html)



### How to Read This Table

California American Water conducts extensive monitoring to ensure that your water meets water quality standards. The results of our monitoring are reported in the adjacent tables. While some monitoring was conducted in 2015, certain substances are monitored less than once per year because the levels do not change frequently. For help with interpreting this table, see the “Definition of Terms” section.

Starting with a **Substance**, read across. **Year Sampled** is usually 2015 or the most recent data from a prior year. **MCL** shows the highest level of the substance (contaminant) allowed. **PHG** (or **MCLG**) is the goal level for that substance (this may be lower than what is allowed). **Average Amount Detected** represents the (calculated) average level of that substance from the drinking water sources that California American Water used in 2015. **Range** tells the highest and lowest amounts measured. A “No” under **Violation** indicates regulatory requirements were met. **Major Sources in Drinking Water** tells where the substance usually originates.

### Definitions of Terms Used in This Report

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

**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.

**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 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.

**micromhos per centimeter (µmhos/cm):** A measure of electrical conductance.

**Million fibers per liter (MFL):** The number of asbestos fibers (in millions) per liter that are greater than 10 microns in length.

**NA:** Not applicable

**ND:** Not detected

**Nephelometric Turbidity Units (NTU):** Measurement of the clarity, or turbidity, of the water.

**Notification Level (NL):** The concentration of a contaminant, which, if exceeded, requires notification to the State Water Resources Control Board, Division of Drinking Water and the consumer. Not an enforceable standard.

**NR:** Not reported

**parts per billion (ppb):** One part substance per billion parts water, or micrograms per liter.

**parts per million (ppm):** One part substance per million parts per water, or milligrams per liter.

**pH:** A measurement of acidity, 7.0 being neutral.

**picocuries per liter (pCi/L):** Measurement of the natural rate of disintegration of radioactive contaminants in water (also beta particles).

**Primary Drinking Water Standard (PDWS):** 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 EPA.

**RAA:** Running Annual Average

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

**Secondary Maximum Contaminant Level (SMCL):** SMCLs are set to protect the aesthetic properties of drinking water (odor, taste and appearance).

**TOC:** Total Organic Carbon

**TON:** Threshold Odor Number

**Total Dissolved Solids:** An overall indicator of the amount of minerals in water.

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

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

### Water Quality Statement

Last year, as in years past, your tap water met USEPA and state drinking water standards. California American Water vigilantly safeguards its water supplies, and once again we are proud to report that our system did not violate any state or federal water quality standards.



**There's a lot more to your water bill than just water.**

When you turn on the tap, it's easy to see what your water bill buys. What's not as easy to see is what it takes to bring that water to your home. The miles of pipeline hidden below the ground. The facilities that draw water from the source. The plant where it's treated and tested. The scientists, engineers, and maintenance crews working around the clock to make sure that water is always there when you need it. Your water payments are helping to build a better tomorrow by supporting needed improvements that will keep water flowing for all of us—today and well into the future.

## Water Quality Results

### Regulated Substances

Substance (Units)	Year Sampled	MCL	PHG (MCLG)	Suburban-Rosemont			City of Sacramento		Violation	Major Sources In Drinking Water
				Average Amount Detected	Range		Average Amount Detected	Range Low - High		
					Low	High				
Aluminum (ppm)	2015	1	0.6	ND	ND	0.06	ND	ND	No	Erosion of natural deposits; Residual from some surface water treatment processes
Arsenic (ppb)	2015	10	0.004	ND	ND	3	ND	ND	No	Erosion of natural deposits; runoff from orchards; Glass, and electronics production wastes
Barium (ppm)	2015	1	2	ND	ND	0.2	ND	ND	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Hexavalent Chromium (ppb)	2014	10	0.02	3.3	ND	5.3	ND	ND	No	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Nitrate (as nitrogen) (ppm)	2015	10	10	3.7	ND	8.0	ND	ND	No	Runoff and leaching from fertilizer use; Leaching from septic tanks and sewage; Erosion of natural deposits
Gross Alpha Particle Activity (pCi/L)	2012-2015	15	(0)	ND	ND	14.1	ND	ND	No	Erosion of natural deposits
Tetrachloroethylene (PCE) (ppb)	2015	5	0.06	ND	ND	0.6	ND	ND	No	Discharge from factories, dry cleaners, and auto factories
Uranium (pCi/L)	2014-2015	20	0.43	1.4	ND	8.7	ND	ND	No	Erosion of natural deposits
Radium 228 (pCi/L)	2006 - 2007	5 <sup>1</sup>	0.019	ND	ND	1.1	ND	ND	No	Erosion of natural deposits
Control of Disinfection By-Product Precursors (TOC) (ppm)	2015	Treatment requirement if average TOC>2	NA	NA	NA		1.3	1.1 - 1.6	No	Various natural and man-made sources

### Distribution System Monitoring

Chlorine (ppm)	2015	MRDL=4.0	MRDLG=4.0	0.62	0.02	1.88	0.6	ND - 1.4	No	Treatment chemical used to disinfect drinking water
Fluoride (ppm) <sup>2</sup>	2015	0.7-1.3 <sup>3</sup>	NA	0.84	0.57	1.1	0.90	0.7 - 1.2	No	Water additive that promotes strong teeth
Haloacetic Acids (ppb) <sup>4</sup>	2015	60	NA	7	ND	27	39	5 - 60	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)(ppb) <sup>4</sup>	2015	80	NA	10	ND	38	73	10 - 123	No	By-product of drinking water disinfection

<sup>1</sup> Radium 228 does not have its own MCL. The MCL for total radium (radium 226 & radium 228) is shown. Monitoring for radium 226 was not required.

<sup>2</sup> California American Water adjusts the natural levels of fluoride in our water supplies to the California Department of Public Health's recommended optimum level.

<sup>3</sup> Fluoride Control Range, not an MCL.

<sup>4</sup> Compliance is based on the Locational Running Annual Average. The highest level reported in the range is the result of an individual sample. The "Average Amount Detected" is the Highest Running Annual Average

**Turbidity - A Measure of the Clarity of the Water (at the City of Sacramento Treatment Facility)**

Substance (Units)	Year Sampled	MCL	PHG (MCLG)	Highest Single Measurement	Violation	Typical Source
Turbidity (NTU)	2015	TT = 1.0 NTU	NA	0.11	No	Soil runoff
		TT = percentage of samples <0.3 NTU		100.0%		

**Unregulated Substances (Measured on the Water Leaving the Treatment Facility or within the Distribution System)**

Substance (units)	Year Sampled	Suburban-Rosemont			City of Sacramento		Notes
		Average Amount Detected	Range		Average Amount Detected	Range Low - High	
1,4-Dioxane (ppb)	2014 - 2015	0.01	ND	0.13	ND	ND	Discharge from industrial chemical factories
4-anderostene-3,17-dione (ppb)	2014 - 2015	ND	ND	0.0004	ND	ND	
Androstene	2014	ND	ND	ND	ND	ND - 0.00034	
Bromochloromethane	2014 - 2015	0.004	ND	0.09	ND	ND	
Chlorate (ppb)	2014 - 2015	220	ND	1180	ND	ND	By-product of drinking water disinfection; Industrial use and waste
Chlorodifluoromethane (ppb)	2014 - 2015	0.04	ND	0.77	ND	ND	
Chloromethane (ppb)	2014 - 2015	0.02	ND	0.40	ND	ND	
Chromium (ppb)	2014 - 2015	4.0	ND	11.2	ND	ND	Runoff/leaching from natural deposits or discharge from Industrial Facilities
Chromium Hexavalent (ppb)	2014 - 2015	3.3	ND	5.5	ND	ND	Runoff/leaching from natural deposits or discharge from Industrial Facilities
Molybdenum (ppb)	2014 - 2015	0.11	ND	1.9	ND	ND	
Perfluorohexanesulfonic acid, PFHxS (ppb)	2014 - 2015	0.004	ND	0.09	ND	ND	Discharge from industrial uses
Perfluorooctanesulfonate acid, PFOS (ppb)	2014 - 2015	0.01	ND	0.16	ND	ND	Discharge from industrial uses
Perfluorooctanoic acid, PFOA (ppb)	2014 - 2015	0.002	ND	0.031	ND	ND	Discharge from industrial uses
Strontium (ppb)	2014 - 2015	319	130	1000	76	48 - 130	Leaching from natural deposits
Testosterone (ppb)	2014	ND	ND	ND	ND	ND - 0.00026	
Vanadium (ppb)	2014 - 2015	11	ND	17	1.4	0.4 - 3.0	Leaching from natural deposits

**Lead and Copper (tap water samples from Suburban - Rosemont System only)**

Substance (units)	Year Sampled	Action Level	PHG (MCLG)	Number of Samples	Amount Detected at 90th Percentile	Homes Above Action Level	Violation	Typical Source
Copper (ppm)	2013	1.3	0.3	32	0.163	0	No	Internal corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	2013	15	0.2	32	4	0	No	Internal corrosion of household plumbing systems; Erosion of natural deposits; Discharges from industrial manufacturers

**Secondary Substances**

Substance (Units)	Year Sampled	SMCL	Suburban-Rosemont			City of Sacramento		Violation	Typical Source
			Average Amount Detected	Range		Average Amount Detected	Range Low - High		
Chloride (ppm)	2015	500	10	2.8	31	5.9	5.2 - 6.5	No	Runoff/leaching from natural deposits; Seawater influence
Color (units)	2015	15	ND	ND	5	1	1 - 4	No	Naturally-occurring organic materials
Iron (ppb)	2015	300	ND	ND	210	ND	ND	No	Leaching from natural deposits; Industrial wastes
Manganese (ppb)	2015	50	ND	ND	27	ND	ND	No	Leaching from natural deposits
Odor (TON)	2015	3	ND	ND	3	ND	ND	No	Naturally-occurring organic materials
Specific Conductance (umhos/cm)	2015	1600	280	120	560	130	100 - 160	No	Substances that form ions when in water; Sewater influence
Sulfate (ppm)	2015	500	11	ND	32	11	8.2 - 13	No	Runoff/leaching from natural deposits; Industrial wastes
Total Dissolved Solids (ppm)	2015	1000	193	96	340	64	50 - 79	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2015	5	ND	ND	0.65	0.12	0.04 - 1.1	No	Soil runoff

**Additional Consitituents**

Substance (Units)	Year Sampled	Suburban-Rosemont			City of Sacramento	
		Average Amount Detected	Range		Average Amount Detected	Range Low - High
Alkalinity as CaCO3 (ppm)	2015	106	51	230	NR	NR
Calcium (ppm)	2015	30	12	71	11	8.8 - 13
Magnesium (ppm)	2015	9	4	19	3.1	1.5 - 4.6
pH	2015	8.0	7.8	8.1	NR	NR
Radon (pCi/L)	2006, 2007	349	134	690	NR	NR
Silica (ppm)	2015	48	36	69	NR	NR
Sodium (ppm)	2015	13	7	27	4.7	2.7 - 6.7
Total Hardness as CaCO3 (ppm)	2015	114	45	250	58	49 - 67