

2017 Consumer Confidence Report

Water System Name: VINEYARD AVENUE ACRES MWC

Report Date: February 2018

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2017.

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

Type of water source(s) in use: According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 2 source(s): Well 01 and Well 02

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are held at RJ Community Center every second Wednesday of every month at 7:30PM.

For more information about this report, or any questions relating to your drinking water, please call (805)985-4974 and ask for Nancy Olivares.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (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.

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

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

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

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

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

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

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

NTU: Nephelometric Turbidity Units

umhos/cm: micro mhos per centimeter

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

Contaminants that may be present in source water include:

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

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

Tables 1, 2, 3, 4, 5, 6 and 7 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

Any violation of MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Copper (ppm)	10 (2015)	0.97	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Sodium (ppm)	(2016)	92	91 - 93	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2016)	588	586 - 589	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Fluoride (ppm)	(2016)	0.6	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (ppm)	(2017)	7.7	5.2 - 8.9	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

Nitrate + Nitrite as N (ppm)	(2016)	8.4	8.0 - 8.7	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Selenium (ppb)	(2016)	7	6 - 7	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots(feed additive)
Gross Alpha (pCi/L)	(2015)	7.68	6.59 - 8.76	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2015)	10.5	10.0 - 11.0	20	0.43	Erosion of natural deposits

Table 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Chloride (ppm)	(2016)	68	65 - 70	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2016)	1475	1460 - 1490	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (ppm)	(2016)	415	411 - 418	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	(2016)	1050	1040 - 1060	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2016)	0.3	0.2 - 0.3	5	n/a	Soil runoff

Table 5 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Boron (ppm)	(2016)	0.7	0.6 - 0.7	1	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.

Table 6 - ADDITIONAL DETECTIONS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Calcium (mg/L)	(2016)	147	146 - 147	n/a	n/a
Magnesium (mg/L)	(2016)	54	n/a	n/a	n/a
pH (units)	(2016)	7.8	7.5 - 8.0	n/a	n/a
Alkalinity (mg/L)	(2016)	240	n/a	n/a	n/a
Aggressiveness Index	(2016)	12.7	12.4 - 12.9	n/a	n/a
Langelier Index	(2016)	0.8	0.5 - 1.0	n/a	n/a

Table 7 - DETECTION OF DISINFECTANT/DISINFECTANT BYPRODUCT RULE

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Violation	Typical Sources of Contaminant
Total Trihalomethanes (TTHMs) (ppb)	(2015)	8.9	n/a	80	n/a	No	By-product of drinking water disinfection
Haloacetic Acids (five) (ppb)	(2015)	2	n/a	60	n/a	No	By-product of drinking water disinfection

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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 (1-800-426-4791).

Lead Specific Language for Community Water Systems: 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 the service lines and home plumbing. *Vineyard Avenue Acres* is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Systems with nitrate (as nitrogen) above 5 ppm (50% of the MCL), but below 10 ppm (the MCL): Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

About our Total Dissolved Solids: The TDS or Total Dissolved Solids in your water was found at levels that exceed the secondary MCL. The TDS MCLs was set to protect you against unpleasant aesthetic affects such as color, taste or hardness. Violating this MCL does not pose a risk to public health.

2017 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 and WELL 02 of the VINEYARD AVENUE ACRES MWC water system in August, 2001.

Well 01 - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - high density [>1/acre]

Well 02 - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - high density [>1/acre]

Acquiring Information

A copy of the complete assessment may be viewed at:
SWRCB Division of Drinking Water

1180 Eugenia Place
Suite 200
Carpinteria, CA 93013

You may request a summary of the assessment be sent to you by contacting:

Jeff Densmore
District Engineer
805 566 1326

Vineyard Avenue Acres

Analytical Results By FGL - 2017

LEAD AND COPPER RULE								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile
Copper		ppm		1.3	.3			0.97
1155 E. Stroube St.	SP 1506890-8	ppm				2015-06-09	0.97	
1194 Kennedy Street	SP 1506890-5	ppm				2015-06-09	0.26	
217 E. Stroube St.	SP 1506890-9	ppm				2015-06-09	0.79	
2849 Balboa Street	SP 1506890-2	ppm				2015-06-18	0.33	
287 E. Collins St.	SP 1506890-10	ppm				2015-06-18	0.20	
2938 Alvarado Street	SP 1506890-3	ppm				2015-06-09	0.18	
433 Collins Street	SP 1506890-4	ppm				2015-06-09	0.11	
703 E. Collins St.	SP 1506890-6	ppm				2015-06-09	0.15	
766 Stroube Avenue	SP 1506890-1	ppm				2015-06-09	0.13	
773 E. Stroube St.	SP 1506890-7	ppm				2015-06-09	1.02	

SAMPLING RESULTS FOR SODIUM AND HARDNESS								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)
Sodium		ppm		none	none			92
Well 01	SP 1601119-1	ppm				2016-02-01	93	
Well 02	SP 1601119-2	ppm				2016-02-01	91	
Hardness		ppm		none	none			588
Well 01	SP 1601119-1	ppm				2016-02-01	586	
Well 02	SP 1601119-2	ppm				2016-02-01	589	

PRIMARY DRINKING WATER STANDARDS (PDWS)								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)
Fluoride		ppm		2	1			0.6
Well 01	SP 1601119-1	ppm				2016-02-01	0.6	
Well 02	SP 1601119-2	ppm				2016-02-01	0.6	
Nitrate as N		ppm		10	10			7.7
Well 01	SP 1714236-1	ppm				2017-11-16	8.6	
Well 01	SP 1710539-1	ppm				2017-08-30	8.9	
Well 01	SP 1706453-1	ppm				2017-05-30	7.1	
Well 01	SP 1702335-1	ppm				2017-02-22	8.8	
Well 02	SP 1714236-2	ppm				2017-11-16	8.5	
Well 02	SP 1710539-2	ppm				2017-08-30	8.8	
Well 02	SP 1706453-2	ppm				2017-05-30	5.8	
Well 02	SP 1702335-2	ppm				2017-02-22	5.2	
Nitrate + Nitrite as N		ppm		10	10			8.4
Well 01	SP 1601119-1	ppm				2016-02-01	8.7	
Well 02	SP 1601119-2	ppm				2016-02-01	8.0	
Selenium		ppb	50	50	30			7
Well 01	SP 1601119-1	ppb				2016-02-01	7	
Well 02	SP 1601119-2	ppb				2016-02-01	6	
Gross Alpha		pCi/L		15	(0)			7.68
Well 01	SP 1512513-1	pCi/L				2015-11-06	6.59	
Well 02	SP 1512566-1	pCi/L				2015-11-09	8.76	
Uranium		pCi/L		20	0.43			10.5
Well 01	SP 1512513-1	pCi/L				2015-11-06	11.0	
Well 02	SP 1512566-1	pCi/L				2015-11-09	10.0	

SECONDARY DRINKING WATER STANDARDS (SDWS)								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)
								Range (b)

Vineyard Avenue Acres CCR Login Linkage - 2017

FGL Code	Lab ID	Date Sampled	Method	Description	Property
DBP2 1025 Colli	SP 1510620-1	2015-09-23	EPA 551.1	1025 COLLINS STREET - STG 2 DB	Stage 2 DBP Monitoring
	SP 1510620-1	2015-09-23	EPA 552.2	1025 COLLINS STREET - STG 2 DB	Stage 2 DBP Monitoring
1155 E. Stroube	SP 1506890-8	2015-06-09	Metals, Total	1155 E. Stroube St.	Copper & Lead Monitoring
1194 Kennedy St	SP 1506890-5	2015-06-09	Metals, Total	1194 Kennedy Street	Copper & Lead Monitoring
101 E. Stroube	SP 1506890-9	2015-06-09	Metals, Total	217 E. Stroube St.	Copper & Lead Monitoring
2849 Balboa Str	SP 1506890-2	2015-06-18	Metals, Total	2849 Balboa Street	Copper & Lead Monitoring
287 E. Collins	SP 1506890-10	2015-06-18	Metals, Total	287 E. Collins St.	Copper & Lead Monitoring
2938 Alvarado S	SP 1506890-3	2015-06-09	Metals, Total	2938 Alvarado Street	Copper & Lead Monitoring
433 Collins Str	SP 1506890-4	2015-06-09	Metals, Total	433 Collins Street	Copper & Lead Monitoring
703 E. Collins	SP 1506890-6	2015-06-09	Metals, Total	703 E. Collins St.	Copper & Lead Monitoring
766 Stroube Ave	SP 1506890-1	2015-06-09	Metals, Total	766 Stroube Avenue	Copper & Lead Monitoring
773 E. Stroube	SP 1506890-7	2015-06-09	Metals, Total	773 E. Stroube St.	Copper & Lead Monitoring
Bacti-Rout-ss01	SP 1700015-1	2017-01-03	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1700990-1	2017-01-24	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1701428-1	2017-02-01	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1702337-1	2017-02-22	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1703431-1	2017-03-20	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1703736-1	2017-03-28	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1704059-1	2017-04-04	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1704874-1	2017-04-24	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1705369-1	2017-05-05	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1706273-1	2017-05-24	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1706452-1	2017-05-30	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1706787-1	2017-06-07	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1707390-1	2017-06-21	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1707965-1	2017-07-05	Coliform	Site #1 - 1025 Collins St.	07052017Routine Bacteriological Monitoring-System
	SP 1708807-1	2017-07-24	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1709298-1	2017-08-03	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1710540-1	2017-08-30	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1710940-1	2017-09-08	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1711398-1	2017-09-19	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1712323-1	2017-10-06	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1712932-1	2017-10-19	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1713097-1	2017-10-24	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1713694-1	2017-11-07	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System

	SP 1714235-1	2017-11-16	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1715202-1	2017-12-12	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
	SP 1715557-1	2017-12-19	Coliform	Site #1 - 1025 Collins St.	Routine Bacteriological Monitoring-System
STW-1	SP 1512513-1	2015-11-06	Radio Chemistry	Well 01	VINEYARD AVENUE ACRES MWC
WELL01	SP 1601119-1	2016-02-01	Metals, Total	Well 01	Water Quality Monitoring
	SP 1601119-1	2016-02-01	General Mineral	Well 01	Water Quality Monitoring
	SP 1601119-1	2016-02-01	Wet Chemistry	Well 01	Water Quality Monitoring
	SP 1702335-1	2017-02-22	Wet Chemistry	Well 01	Water Quality Monitoring
	SP 1706453-1	2017-05-30	Wet Chemistry	Well 01	Water Quality Monitoring
	SP 1710539-1	2017-08-30	Wet Chemistry	Well 01	Water Quality Monitoring
	SP 1714236-1	2017-11-16	Wet Chemistry	Well 01	Water Quality Monitoring
STW-2	SP 1512566-1	2015-11-09	Radio Chemistry	Well 02	Well #02
WELL02	SP 1601119-2	2016-02-01	General Mineral	Well 02	Water Quality Monitoring
	SP 1601119-2	2016-02-01	Wet Chemistry	Well 02	Water Quality Monitoring
	SP 1601119-2	2016-02-01	Metals, Total	Well 02	Water Quality Monitoring
	SP 1702335-2	2017-02-22	Wet Chemistry	Well 02	Water Quality Monitoring
	SP 1706453-2	2017-05-30	Wet Chemistry	Well 02	Water Quality Monitoring
	SP 1710539-2	2017-08-30	Wet Chemistry	Well 02	Water Quality Monitoring
	SP 1714236-2	2017-11-16	Wet Chemistry	Well 02	Water Quality Monitoring