Annual

WATER QUALITY REPORT

2024 Calendar Year
CONSUMER CONFIDENCE REPORT (CCR)

Annual Report on Water Quality for 2024





VALLEY CENTER MUNICIPAL WATER DISTRICT

VALLEY CENTER MUNICIPAL WATER DISTRICT 2024 WATER QUALITY REPORT

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

The Valley Center Municipal Water District (VCMWD) is committed to supplying safe water that meets or surpasses state and federal safety standards and achieves the highest standards of customer satisfaction. The U.S. Environmental Protection Agency (EPA) and the California State Division of Drinking Water (DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems and require the publication and distribution of this report to our customers and the community we serve.

We are pleased to report that the quality of water delivered by the Valley Center Municipal Water District meets or exceeds all State and Federal standards. **YOUR TAP WATER IS SAFE TO DRINK**.

This report is a snapshot of the water quality of VCMWD's water deliveries in calendar year 2024. Included are details about where the water comes from, what it contains, and how it compares to the DDW standards. If you are interested in more information about your water supply or water supplier, please feel free to contact our administrative offices at 760-735-4500, reach us on our website: www.vcmwd.org (which includes links to Metropolitan and the San Diego County Water Authority) or attend one of our Board meetings on the 1st and 3rd Mondays of each month at 2:00 p.m. Meetings are held at the District Offices, 29300 Valley Center Rd., Valley Center, and are open to the public.

OR, FOR MORE INFORMATION, PLEASE CONTACT OUR WATER OPERATIONS DIVISION AT 760-735-4512.

WATER QUALITY INFORMATION:

Generally, the sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, seawater desalination and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and 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, 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 that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

ARE THERE ANY PRECAUTIONS THE PUBLIC SHOULD CONSIDER?

As previously stated, the water supplied by VCMWD meets or exceeds all State and Federal safety standards and is safe to drink. However, all 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. In order to ensure that tap water is safe to drink, EPA and DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791) or by viewing the USEPA's website at www.epa.gov/safewater.

DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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.

PRECAUTIONS FOR THE PUBLIC continued

EPA/Centers for Disease Control 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. if present and at elevated levels, can cause serious health problems, especially for pregnant women and voung children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. VCMWD is responsible for providing high-quality drinking water, but it cannot control the variety of materials used in plumbing components. When vour water has been sitting for several hours, vou 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.epg.gov/safewater/lead.

WHAT IS YOUR WATER SUPPLIER DOING TO KEEP YOUR TAP WATER SAFE?

Under the guidance of the DDW, the Valley Center Municipal Water District regularly conducts over 400 tests from 21 strategically positioned sample points to guarantee a safe level of disinfectant residual and the bacteriological safety of your water supply. We also monitor our supply for the levels of Trihalomethanes and Haloacetic Acids, which are disinfection byproducts and are suspected to be human carcinogens. Finally, the District administers an active and aggressive Backflow Prevention Program, which protects our water supply from the possibility of contamination coming from the customer's side of the meter.

In addition to our water quality efforts, the Metropolitan Water District performs over 300,000 analyses each year to monitor over 115 contaminants and characteristics of its supplies, including tests for water clarity (Turbidity), organic chemicals (pesticides, PCB's), volatile organic compounds, inorganic compounds, disinfection byproducts (DBP's), disinfectant residuals, and radionuclides. Metropolitan also monitors for contaminants that are not yet regulated (i.e., assigned a safety limit) to help the EPA and DDW determine where certain contaminants occur and whether the contaminants need to be regulated in the future.

PARAMETER (a)	Units	MCL [MRDL]	PHG (MCLG) [MRDLG]	Skinner Twin Oaks Treatment Treatment Plant Plant Test Results Test Results		Carlsbad Desalination Plant Test Results		Major Sources in Drinking Water				
PRIMARY STAND	ARDS	– MANI	DATORY	HEALT	H REL	ATED S	TANDA	RDS				
CLARITY				Range	Average	Range	Average	Range	Average			
Combined Filter	NTU	TT = 1	NA	Highest		0.02-0.087	0.03	Highest	0.08	Soil runoff		
Effluent Turbidity INORGANIC CHEMICA	MALS	TT(b)	INA	%<0.3	100%	% <0.1	100%	% <0.1	100%	Containon		
Arsenic	ppb	10	0.004	ND	ND	2.1	2.1	ND	ND	Natural deposits erosion, glass and		
		10	10	ND	ND	ND	ND	ND	ND	electronics production wastes. Runoff and leaching from fertilizer		
Nitrate (as N) (i) Fluoride Treatment-	ppm							0.606-		use; sewage; natural deposit erosion		
related (I)	ppm	2.0	1	0.6-0.8	0.7	0.6-0.7	0.64	0.790	0.692	Water additive for dental health		
RADIOLOGICAL Uranium	pCi/L	20	0.43	ND-3	2	1.7-2.8	2.3	ND	ND	Erosion of natural deposits		
DISINFECTION BY-PF	_											
VCMWD Total	nnh	80	80 NA	16	VCM Range	VCMWD Distribution System Range Highest LRAA			١.٨	By-product of drinking water		
Trihalomethanes (e)	ppb	ου			10.0-48.0			31	- VA	chlorination		
VCMWD Haloacetic	ppb	ob 60	NA		VCM Range	WD Distri		ystem ghest LR/	ΔΔ	By-product of drinking water chlorination		
Acid (d)	ррь				0.0-19.0		7.00	10	01			
VCMWD Total Chlorine Residual	ppm	[4 0]	[4.0]	VCMWD Distri Range			bution System Average			Drinking water disinfectant added		
(Chloramines)	PPIII	[•]	[•]		1.3-2.1		-	1.78		for treatment		
CONTAMINANTS MO	NITORI	ED BUT N	OT DETEC	TED	1/01	MD D: 1	hand a confi	unt c ==				
<mark>VCMWD</mark> Total Coliform Bacteria (c)	%	5.0	0		VCM Range	WD Distri	bution Sy	ystem Average		Naturally present in the environment		
(m) VCMWD Fecal					ND	MD Dietr	hution C	ND		environment		
Coliform Bacteria and	CFU /mL	0	0		Range	WD Distri	bullon S	Average		Human and animal fecal waste		
E. Coli (c) (m)		7,570			ND			ND				
INORGANIC CHEMIC	ALS				VCM	WD Distri	hution S	/stem				
VCMWD Copper (f) Triennial 2022	ppm	AL = 1.3	0.3	90	h Percen	ocean ^o	ballori	0.255		Internal corrosion of household plumbing; natural deposit erosion		
				VCMWD Distribution System					Internal corrosion of household			
VCMVVD Lead (f) Triennial 2022	ppb	AL = 15		90	90th Percentile		4.0		plumbing; natural deposit erosion			
SECONDARY STA	NDAE	PDS _ A	FSTHETI	CSTAN	IDARD	e e						
SECONDART STA		(D3 – A	LOTTILT	USTA						D. Company		
Chloride	ppm	500	NA	92-100	96	NA	NA	48-110	80	Runoff/leaching from natural deposits; seawater influence		
Specific Conductance	µS/	1600	NA	903-917	910	827	827	242.3	430.8	Substances that form ions in water; seawater influence		
	cm	500	NIA	405.000	100	450.047	404	551.4 12.0-17.0	14.8	Runoff/leaching from natural		
Sulfate	ppm	500	NA	195-203	199	152-217	191	12.0-17.0	14.8	deposits; industrial waste		
Total Dissolved Solids (TDS)	ppm	1000	NA	560-572	566	474-614	545	149-311	240	Runoff/leaching from natural deposits; seawater influence		
OTHER PARAMET	TERS								17774 104-10			
		NIA	NIA	103-107	105	99-120	112	47-88	66			
Alkalinity (as CaCO ₃) Boron	ppm ppb	NA NL=	NA NA	130	130	99-120 NA	NA	0.44-0.92	0.65	Runoff/leaching from natural		
DOLOIT	[ppm]	1000		61-62		70000		19.76-		deposits; industrial waste		
Oalai: u	***************************************		NA	. 67 67	62	NA		60.00	23.3			
	ppm	NA					NA	P-1-1-1-1-1	ja	Flemental halance in water affects		
Corrosivity (k) (as Aggressive Index)	***************************************	NA NA	NA NA	12.3-12.4	12.4	NA	NA NA	NA	NA	Elemental balance in water; affected by temperature, other factors		
Corrosivity (k) (as Aggressive Index) Corrosivity (g)	ppm							P-1-1-1-1-1	NA NA	by temperature, other factors Elemental balance in water; affected by temperature, other factors		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index)	ppm Al SI	NA NA	NA NA	12.3-12.4 0.46-0.57	12.4	NA NA	NA NA	NA NA	NA	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural		
(as Aggressive Index) Corrosivity (g) (as Saturation Index)	ppm Al	NA	NA	12.3-12.4	12.4	NA	NA	NA	7. —	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO ₃)	ppm Al Sl ppm	NA NA NA	NA NA NA	12.3-12.4 0.46-0.57 242-243	12.4 0.52 242	NA NA	NA NA NA	NA NA 60.4-75.2	NA 68.1	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO ₃) Magnesium	ppm Al SI ppm ppm	NA NA NA	NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23	12.4 0.52 242 22	NA NA NA	NA NA NA	NA NA 60.4-75.2 1.2-1.5	NA 68.1 1.4	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium	ppm Al Sl ppm	NA NA NA NA	NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1	12.4 0.52 242 22 8.1	NA NA NA NA 7.5-8.7	NA NA NA NA 8.4	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000-	NA 68.1 1.4 8.5	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO ₃) Magnesium Ph Potassium	ppm Al Sl ppm ppm units	NA NA NA NA NA NA	NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9	12.4 0.52 242 22 8.1 4.8	NA NA NA NA NA 7.5-8.7	NA NA NA NA NA NA NA NA	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892	NA 68.1 1.4 8.5 7.501	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium	ppm Al Sl ppm ppm units	NA NA NA NA	NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1	12.4 0.52 242 22 8.1	NA NA NA NA 7.5-8.7	NA NA NA NA 8.4	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000-	NA 68.1 1.4 8.5	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon	ppm Al Sl ppm ppm Units ppm	NA NA NA NA NA NA	NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9	12.4 0.52 242 22 8.1 4.8	NA NA NA NA NA 7.5-8.7	NA NA NA NA NA NA NA NA	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892	NA 68.1 1.4 8.5 7.501	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon (TOC)	ppm Al Sl ppm ppm Units ppm ppm	NA NA NA NA NA NA NA TT	NA NA NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM	NA NA NA NA 7.5-8.7 NA NA	NA NA NA NA NA NA AA NA NA NA NA	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA /stem	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made sources		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon (TOC)	ppm Al Sl ppm ppm Units ppm	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM Range	NA NA NA NA 7.5-8.7 NA NA 2.0-2.4	NA NA NA NA NA NA AA NA NA NA NA	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA /stem Average	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon (TOC) VCMWD Color	ppm Al Sl ppm ppm Units ppm ppm	NA NA NA NA NA NA TT 15	NA NA NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM Range ND-3 VCM	NA NA NA NA 7.5-8.7 NA NA 2.0-2.4	NA NA NA NA NA NA NA NA Dution Sy	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA vstem Average 0.027 vstem	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made sources Naturally occurring organic materials		
Corrosivity (k) (as Aggressive Index) Corrosivity (g)	ppm Al Sl ppm ppm Units ppm ppm	NA NA NA NA NA NA NA TT	NA NA NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM Range ND-3 VCM Range	NA NA NA NA 7.5-8.7 NA NA VD Distri	NA NA NA NA NA NA NA NA Dution Sy	NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA /stem Average 0.027 /stem Average	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made sources Naturally occurring organic		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon (TOC) VCMWD Color	ppm Al SI ppm ppm Units ppm ppm units	NA NA NA NA NA NA TT 15	NA NA NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM Range ND-3 VCM Range ND	NA NA NA NA 7.5-8.7 NA NA VD Distri	NA NA NA NA NA NA NA Dution Sy	NA NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA ystem Average 0.027 ystem Average ND	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made sources Naturally occurring organic materials		
Corrosivity (k) (as Aggressive Index) Corrosivity (g) (as Saturation Index) Hardness (CaCO3) Magnesium Ph Potassium Sodium Total Organic Carbon (TOC) VCMWD Color	ppm Al SI ppm ppm Units ppm ppm units	NA NA NA NA NA NA TT 15	NA NA NA NA NA NA NA NA NA	12.3-12.4 0.46-0.57 242-243 22-23 8.1 4.6-4.9 91-95	12.4 0.52 242 22 8.1 4.8 93 2.6 VCM Range ND-3 VCM Range ND	NA NA NA NA 7.5-8.7 NA NA 2.0-2.4 WD Distri	NA NA NA NA NA NA NA Dution Sy	NA NA NA 60.4-75.2 1.2-1.5 8.30-8.76 0.000- 33.892 54.6-61.5 NA ystem Average 0.027 ystem Average ND	NA 68.1 1.4 8.5 7.501 57.0	by temperature, other factors Elemental balance in water; affected by temperature, other factors Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water Runoff/leaching from natural deposits Salt present in the water, naturally occurring Various natural and man-made sources Various natural and man-made sources Naturally occurring organic materials		

Units

ug/l

MCL

N/A

2024 Footnotes:

(a) Data shown are annual averages and ranges.

PARAMETER

Lithium

- (b) As Primary Standards, the turbidity level of the filtered water shall be less than or equal to 0.3 NTU in 95% of the measurements taken each month and shall not exceed 1.0 NTU for more than one hour. Turbidity is a measure of the cloudiness of the water and is an indicator of treatment performance.
- (c) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform positive. When collecting <40 samples, if two or more are total coliform positive, the MCL is violated. The MCL was not violated.
 - E. coli MCLs: The occurrence of 2 consecutive total coliform positive samples, one of which contains fecal coliform/E. coli, constitutes an acute violation. Standards and results are based on distribution system monthly sampling averages. Compliance is based on distribution system sampling from all pressure zones. 416 samples were analyzed in 2024.

The MCL was not violated.

(d) Calculated from the average of quarterly samples. Compliance is based on a running annual average of 16 distribution system samples. VCMWD was in compliance with the Stage 2 Disinfection By-Products (D/DBP) Rule.

(e) Calculated from the average quarterly samples. Compliance is based on a running annual average of 16 distribution system samples.VCMWD was in compliance with the Stage 2. Disinfection By-Products (D/DBP) Rule.

[DLR] MRL

Test Results

Average

- (f) Lead and copper are regulated in a Treatment Technique under the Lead and Copper Rule. The lead and copper results for 2022 are from 30 water samples collected from the consumers' tap throughout the VCMWD distribution system. The federal action level, which triggers water systems into taking treatment steps if exceeded in more than 10% of the tap water samples, is 1.3 ppm for copper and 15 ppb for lead. There were zero samples that exceeded the action level.
- (g) Positive SI index = non-corrosive; tendency to precipitate and/or deposit scale on pipes. Negative SI index = corrosive: tendency to dissolve calcium
 - Negative SI index = corrosive; tendency to dissolve calcium carbonate.
- (h) Results are from VCMWD's laboratory's flavor-profile analysis that detects odor occurrences more accurately.
 (i) State MCL is 45 ppm as nitrate, which equals 10 ppm as (N).
- (j) In 2024, the USEPA required VCMWD to test for a specific list of compounds. VCMWD is required to report the results on this CCR in order to comply with State of California reporting requirements.

2024 WATER QUALITY DATA

VALLEY CENTER MUNICIPAL WATER DISTRICT

Our water quality information for 2024 is listed in the tables on this page. Contained in the table are the test results for clarity and microbiological safety. Also included are results for 10 inorganic and secondary standards (aesthetic). Finally, the table includes results for 4 "other parameters" for which there are no current state or federal standards.

WHAT DO ALL THE ABBREVIATIONS MEAN?

A number of abbreviations are contained on the Water Quality tables, which are important to your understanding of the data, and those are:

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

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

Maximum Residual Disinfection Level (MRDL): The highest level of a disinfectant allowed in your drinking water. A certain amount of disinfectant has been shown to help control germs and microbes in the water

Maximum Residual Disinfection 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.

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.

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

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

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

2024 Abbreviations:

A = Absence

AI = Aggressive Index

AL = Action Level: the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow

CFU/mL = Colony-forming units per milliliter

DBP = Disinfection Byproducts
DLR = Detection Limits for purposes of Reporting

HPC = Heterotrophic Plate Count

LRAA = Locational Running Annual Average
MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal MRDL = Maximum Residual Disinfectant Level

MRDLG = Maximum Residual Disinfectant Level Goal

MRL = Method Reporting Limit

N = Nitrogen

NA = Not Applicable ND = Non-Detectable

NL = Notification Level

NTU = Nephelometric Turbidity Units is a measure of the suspended material in water

p = Presence

pCi/L = Pico Curies per liter (a measure of radiation) PHG = Public Health Goal

ppb = Parts per Billion

ppm = Parts per Million

ppt = Parts per Trillion SI = Saturation Index

TOC = Total Organic Carbon
TON = Threshold Odor Number

TT = Treatment Technique: a required process intended to reduce the level of a contaminant in drinking water

μS/cm = Micromhos per centimeter

IMPORTANT

2024 WATER QUALITY REPORT

If appropriate, please post this report so that others may review its contents. Additional copies may be obtained by contacting the District at (760) 735-4500.

- (k) Al <10.0 = highly aggressive and very corrosive water Al >12.0 = non-aggressive water Al (10.0 - 11.9) = moderately non-aggressive water
- (I) Metropolitan Water District was in compliance with all provisions of the State's Fluoridation System Requirements. For additional information, visit the Health Department's fluoridation website:

 www.waterboards.ca.gov/drinking_water/certlic/drinking water/Fluoridation.html
- (m) VCMWD had no total coliform present samples in 2024. As a result, the MCL was not violated. Samples are collected every Monday, and the number collected per month is either 32 or 40.
- (n) Constituent categories identified as VCMWD indicate that water quality testing was conducted by VCMWD. Other constituent sampling was conducted by the District's wholesale suppliers, the MWD and the SDCWA.

YOUR AGENCY'S SOURCE OF WATER SUPPLY

For VCMWD, your retail water supplier, the sources of water for our 30,099 customers are the Metropolitan Water District of Southern California (Metropolitan) and the San Diego County Water Authority, through the aqueduct facilities owned and operated by both Metropolitan and the San Diego County Water Authority.

Metropolitan imports water into Southern California from two sources: a 242-mile-long Colorado River Aqueduct, which brings water from the Colorado River, and the 444-mile-long State Water Project California Aqueduct that carries water from the Sacramento-San Joaquin Delta to Southern California. Once in the Metropolitan system, the supply is then treated at the Robert F. Skinner Filtration Plant (RFSFP) located in Western Riverside County, one of Metropolitan's seven regional filtration plants.

In December 2002, the Metropolitan Water District of Southern California completed its source water assessment of its Colorado River and State Water Project supplies. Colorado River supplies are considered to be most vulnerable to recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. State Water Project supplies are considered to be most runoff, vulnerable urban/stormwater aariculture, recreation, and wastewater. Additional information may be obtained at www.mwdh2o.com.

Additionally, VCMWD receives treated water from the San Diego County Water Authority's Twin Oaks Valley Filtration Plant (TOVFP), located in San Marcos, CA. The TOVTP is fed by two sources: a variable blend of Colorado River/State Water Project water and desalinated seawater from the Carlsbad "Bud Lewis" Seawater Desalination Plant located by the Encina Power Plant, 15 miles west of the TOVTP.

After treatment at the RFSFP and the TOVFP, the water flows through 7 aqueduct connections off of the 1st and 2nd SDCWA Aqueducts and the SDCWA 2A Pipeline into the VCMWD water system. Once in the VCMWD system, water is delivered through 340 miles of pressurized water mains, 141 million gallons of covered storage in 40 reservoirs, and 29 pumping stations, further protecting its quality.

IMPORTANT O 2024 WATER QUALITY REPORT

The Consumer Confidence Report (CCR) is an annual water quality report that the Safe Drinking Water Act requires VCMWD to provide.

The purpose of the CCR is to raise customers' awareness of the quality of their drinking water, where their drinking water comes from, what it takes to deliver water to their homes, and the importance of protecting drinking water sources.

For more information, visit our website at:

WWW .VCMWD.COM/CCR

VALLEY CENTER MUNICIPAL WATER DISTRICT'S

Water Sources



VALLEY CENTER MUNICIPAL WATER DISTRICT

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