The Safe Drinking Water Act (SDWA) was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. SDWA authorizes the United States Environmental Protection Agency (US EPA) to set national healthbased standards for drinking water to protect against both naturally-occurring and manmade contaminants that may be found in drinking water. US EPA, States, and water agencies then work together to remain compliant with these standards. The National Primary Drinking Water Regulations set enforce-

THE SAFE DRINKING WATER ACT





If you see any of these dedicated employees, wave or

The men and women of the City Water Department work hard for you, our residents, and wouldn't have it any other way.

Safety is our top concern, for you, as well as, each other. We take great pride in working professionally and diligently to stay on top of pipeline repairs, water leaks, meter installations, water sampling, backflows, wellsite

MEET YOUR WATER DEPARTMENT

tacting the Administration Office at (209) 385-6800. You may request a summary of the assessment by con-Works Department at 1776 Grogan Avenue, Merced, CA. plete assessment is available at the City of Merced, Public agricultural wells, and irrigation wells. A copy of the comdistributor/application service, low density septic system, herbicide application, agricultural drainage, farm chemical tem, chemical/petroleum pipeline, fertilizer, pesticide/ leaking underground storage tanks, sewer collection sysactivities: gas stations (current and historic), dry cleaners, The source is considered vulnerable from the following Merced's water system was completed in March 2003. An assessment of the drinking water source for the City of SOURCE WATER ASSESSMENT

ΠΟΙΤΑΟΙΑΟΝΤΕΚ ΓLUORIDATION

drinkingwater/Fluoridation.shtml. www.waterboards.ca.gov/drinking_water/certlic/ health, and current issues is available by visiting average of 0.70ppm. Information about fluoridation, oral treated water ranged from 0.40ppm - 0.93ppm with an million). Our monitoring showed the fluoride levels in the ed water be at an optimum dose of 0.70ppm (parts per State regulations require the fluoride levels in the treatnaturally occurring level to help prevent tooth decay. Our water system is treated by adding fluoride to the

TSI YT37AS

saves time, money and could also save lives. box, call 811 to have the underground lines marked. It Before you build that pool, plant those trees or add a mail-

Remember, Safety 1st is always the right answer!



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This report has been printed on recycled paper.

SUBSTANCES THAT COULD BE **IN WATER**

LEAD IN HOME PLUMBING

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. In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resource Control Board (State Board/SWRCB) 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 must provide the same protection for public health. 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 U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791

water tested, call us for information at (209) you are concerned about lead and want your before using water for drinking or cooking. If flushing your tap for 30 seconds to 2 minutes minimize the potential for lead exposure by has been sitting for several hours, you can in plumbing components. When your water cannot control the variety of materials used providing high quality drinking water, but and home plumbing. We are responsible for components associated with service lines drinking water is primarily from materials and nant women and young children. Lead in serious health problems, especially for preg-If present, elevated levels of lead can cause

provide the latest information on council meetings, employment opportunities and the ability to pay your water bill online. Visit us at www.cityofmerced.org for information on our parks, how to apply for a committee or to look up services from any of our Public Works departments.

Drinking Water Hotline at (800) 426-4791 or

take to minimize exposure, call the Safe

water, testing methods, and steps you can

385-6800. For information on lead in drinking

.bsəl/vog.sqa.www/:qtth tisiv

CITY OF MERCED WEBSITE The City of Merced has updated it's website to

Understanding your water use is an important part of conserving water. EyeOnWater is a free tool that allows City of Merced customers to connect to their water utility accounts and view their latest water usage on their desktop or mobile device. EyeOnWater helps customers understand their water usage, detect leaks, and discover their watering trends. Customers can sign up by visiting eyeonwater.com/signup.

KEEP YOUR EYE ON WATER

CITY COUNCIL MEETINGS - Join us!

Merced. The public is encouraged to attend. the Civic Center located at 678 W. 18th St., Is mq 00:3 is prinning at for the month beginning at 6:00 pm at The City Council meets every first and third



Daimntawv tshab twog nws. Tshearceeb txog koj cov dej haus. Tshab txhais nws, los yog tham nrog tej tug txhais nws, los yog tham no muaj lus txhais nws, los yog nws.

Tradúzcalo ó hable con alguien que lo

mportante sobre su agua potable.

Late informe contiene información muy

(US EPA) and from your City of Merced

U.S. Environmental Protection Agency

various water quality issues from the

the messages within this report regarding

following pages. It is important to read toring Program are summarized on the

for Merced's 2020 Water Quality Moni-

and water delivery system. Test results

Merced's water supply, water quality,

provides important information about

trol Board-Division of Drinking Water,

California State Water Resources Con-

port, prepared in cooperation with the

This Annual Consumer Confidence Re-

Reporting Year 2020

Consumer Confidence Report

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Water Division.

able maximum contaminant levels for particular contaminants, required ways to treat water to remove contaminants as well as testing the water for those contaminants, and specific reporting requirements of the test results.

WHERE DOES THE CITY OF MERCED **GET IT'S WATER?**

The City of Merced supplies water through the operation of 20 active wells throughout the City. These wells draw water from the Merced Groundwater Subbasin. Each site can produce over 1,500 gallons per minute. The distribution system is well over 500 miles long, includes over 25,000 service connections, nearly 3,000 fire hydrants and approximately 25,000 water meters, 7,000 main line valves and over 2,100 backflow devices. In 2020, these wells pumped 6.5 billion gallons of water to residents, businesses, and commercial properties.



HOW DO WE MEASURE UP

The City of Merced is proud to announce once again that your tap water met or surpassed all US EPA and State drinking water health standards. The City of Merced Water Department works around the clock to ensure the drinking water we deliver to our customers is of the highest guality and meets all safety requirements. In an effort to meet Federal and State standards for drinking water, our highly trained, certified treatment operators monitor our water treatment operations continuously. In 2020, we tested for more than 150 contaminants in the water and collected over 4,000 samples taken throughout our water system. If you have any questions about your drinking water or the contents of this report, please call the Water Division at 385-6800.

For a copy of this report visit our website at: cityofmerced.org/PublicWorks/Water/ConsumerConfidenceReport or call (209) 385-6800 and we will mail one to you.

IMPORTANT HEALTH INFORMATION

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, may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The USEPA/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 Safe Drinking Water Hotline at (800) 426-4791.

SAMPLING RESULTS The tables below list all drinking water contaminants that we tested for and detected according to State drinking water requirements. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless noted, the data presented in this report are from testing accomplished from January 1, 2020 to December 31, 2020. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not frequently change. In these cases, the most recent sample data are included, along with the year in which the samples were collected.

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDI]	PHG (MCLG)		RANGE		
1.2.3 Trichloropropane [TCP] (ppt)	2018	5	0.7	0.1	ND - 0.65	No	Industrial solvents: cleaning and degreasing agent: paint remover
Arsenic ¹ (ppb)	2019 / 2020	10	0.004	3.9	2.1 - 8.1	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2019	1	2	0.23	0.13 - 0.48	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Chlorine (ppm)	2020	[4.0 (as Cl2)]	[4.0 (as Cl2)]	0.73	0.3 - 1.08	No	Drinking water disinfectant added for treatment
Chromium [Total] (ppm)	2019	50	(100)	0.44	ND - 4.8	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (ppm)	2019 / 2020	2	1	0.12	ND - 0.18	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Particle Activity (pCi/L)	2017	15	(0)	2.4	ND - 12	No	Erosion of natural deposits
Gross Beta Particle Activity ² (pCi/L)	2017	50	(0)	6.1	ND - 11	No	Decay of natural and man-made deposits
Nitrate ³ (as N) (ppm)	2020	10	10	2.5	1.3 - 4.8	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Tetrachloroethylene [PCE] ⁴ (ppb)	2020	5	0.06	0.09	ND - 1.6	No	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Trichloroethylene [TCE] (ppb)	2020	5	1.7	0.01	ND - 0.57	No	Discharge from metal degreasing sites and other factories
Uranium (ppb)	2017	30	0	2.4	ND - 8.7	No	Erosion of natural deposits
REGULATED CONTAMINANT	S WITH SE	CONDAR		WATER S	TANDARD	S: Non-enfo	prceable guidelines regarding contaminants that may cause cosmetic or aesthetic effects.
*There are no PHGs, MCLGs, or man	datory standa	ard health effe	ects language	for these con	taminants beo	cause second	dary MCLs are set on the basis of aesthetic concerns.
(UNIT OF MEASURE)	YEAK SAMPI FD	INICL [MRDI]	IMRDIG	DETECTED	IOW-HIGH		
(charida (anna)	2010	500			4.5 14		
	2019			06		Na	Dupoff/apphing from natural depositor acquistor influence
(Color (Units)	0040	500	110	8.6	4.3 - 14	No	Runoff/leaching from natural deposits; seawater influence
	2019	15	NS	8.6 0.26	4.5 - 14 ND - 5	No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials
Corrosivity ⁵ (Units)	2019	15 Non- corrosive	NS	8.6 0.26 11.8	4.3 - 14 ND - 5 11 - 12	No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Corrosivity ⁵ (Units) Manganese (ppb)	2019 2019 2019	15 Non- corrosive 50	NS NS NS	8.6 0.26 11.8 0.13	ND - 5 11 - 12 ND - 2.5	No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold	2019 2019 2019 2019 2019 / 2020	15 Non- corrosive 50 3 Units	NS NS NS NS	8.6 0.26 11.8 0.13 0.11	ND - 5 11 - 12 ND - 2.5 ND - 1.0	No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory	2019 2019 2019 2019 / 2020 2019 / 2020 2019	15 Non- corrosive 50 3 Units 6.5 - 8.5	NS NS NS NS NS	8.6 0.26 11.8 0.13 0.11 7.8	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1	No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm)	2019 2019 2019 2019 / 2020 2019 / 2020 2019 2019	15 Non- corrosive 50 3 Units 6.5 - 8.5 500	NS NS NS NS NS NS	8.6 0.26 11.8 0.13 0.11 7.8 9.2	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12	No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm)	2019 2019 2019 2019 2020 2019 / 2020 2019 2019 2019	300 15 Non-corrosive 50 3 Units 6.5 - 8.5 500 1600	NS NS NS NS NS NS NS NS	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349	4.3 - 14 ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580	No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm) Total Dissolved Solids (ppm)	2019 2019 2019 2019 / 2020 2019 / 2020 2019 2019 2019 2019 2019	S00 15 Non-corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000	NS NS NS NS NS NS NS NS NS	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258	4.3 - 14 ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380	No No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm) Total Dissolved Solids (ppm) Turbidity (NTU)	2019 2019 2019 2019 / 2020 2019 / 2020 2019 2019 2019 2019 2019	300 15 Non-corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000 5	NS NS NS NS NS NS NS NS NS	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258 0.12	4.3 - 14 ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380 0.10 - 0.86	No No No No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits Soil runoff
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm) Total Dissolved Solids (ppm) Turbidity (NTU) Tap water samples were colle	2019 2019 2019 2019 / 2020 2019 / 2020 2019 2019 2019 2019 2019 2019	15 Non-corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000 5 ad and cop	NS NS NS NS NS NS NS NS NS Per analyse	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258 0.12 es from hou	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380 0.10 - 0.86 Useholds m	No No No No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits Soil runoff teria within city limits. The next Lead & Copper event is scheduled for 2021.
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (μS/cm) Total Dissolved Solids (ppm) Turbidity (NTU) Tap water samples were colle	2019 2019 2019 2019 / 2020 2019 2019 2019 2019 2019 2019 2019	15 Non-corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000 5 ad and cop	NS NS NS NS NS NS NS NS Per analyse	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258 0.12 es from hou AVERAGE	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380 0.10 - 0.86 Jseholds m SITES ABOVE	No No No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits Soil runoff teria within city limits. The next Lead & Copper event is scheduled for 2021.
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm) Total Dissolved Solids (ppm) Turbidity (NTU) Tap water samples were colle SUBSTANCE	2019 2019 2019 2019 / 2020 2019 2019 2019 2019 2019 2019 2019	15 Non- corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000 5 ad and cop	NS NS NS NS NS NS NS NS PHG	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258 0.12 es from hou AVERAGE DETECTED	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380 0.10 - 0.86 JSEHOLDS M SITES ABOVE AL/	No No No No No No No No No	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits Soil runoff teria within city limits. The next Lead & Copper event is scheduled for 2021.
Corrosivity ⁵ (Units) Manganese (ppb) Odor—Threshold pH, Laboratory Sulfate (ppm) Specific Conductance (µS/cm) Total Dissolved Solids (ppm) Turbidity (NTU) Tap water samples were colle SUBSTANCE (UNIT OF MEASURE)	2019 2019 2019 2019 / 2020 2019 / 2020 2019 / 2019 2019	15 Non- corrosive 50 3 Units 6.5 - 8.5 500 1600 1,000 5 ad and cop	NS NS NS NS NS NS NS Per analyse PHG (MCLG)	8.6 0.26 11.8 0.13 0.11 7.8 9.2 349 258 0.12 es from hot AVERAGE DETECTED 90TH %TILE	ND - 5 11 - 12 ND - 2.5 ND - 1.0 7.5 - 8.1 5.9 - 12 220 - 580 190 - 380 0.10 - 0.86 Jseholds m SITES ABOVE AL/ TOTAL SITES	No No No No No No No No No No VIOLATION	Runoff/leaching from natural deposits; seawater influence Naturally occurring organic materials Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors Leaching from natural deposits Naturally occurring organic materials Low pH: bitter metallic taste, corrosion. High pH: slippery feel, soda taste; deposits Runoff/leaching from natural deposits; industrial wastes Substances that form ions when in water; seawater influence Runoff/leaching from natural deposits Soil runoff teria within city limits. The next Lead & Copper event is scheduled for 2021. TYPICAL SOURCE

UNREGULATED AND OTHER SUBSTANCES⁶ No MCL, PHG or MCLG

Lead (ppb)

2018

15

SUBSTANCE	YEAR	AVERAGE	RANGE
(UNIT OF MEASURE)	SAMPLED	DETECTED	LOW-HIGH
Alkalinity—Total as CaCO₃	2019	148	83 - 300
Bromide (ppb)	2018	70	24 - 170
Calcium (ppm)	2019	29.7	17 - 57
Hardness (Total) as CACO₃ (ppm)	2019	126	63 - 260
Hexavalent Chromium (ppb)	2017	3.5	1.6 - 4.7
Magnesium (ppm)	2019/ 2020	11.6	4.6 - 24
Molybdenum (ppb)	2016	1.5	ND - 2.9
**Perfluorooctanoic Acid (PFOA) (ng/L)	2019	0.11	ND - 1.6
**Perfluorooctanesulfonic Acid (PFOS) (ng/L)	2019	0.14	ND - 1.3
Potassium (ppm)	2019	6.8	3.3 - 12
Sodium (ppm)	2019	24	14 - 35
Toluidine (ppb)	2018	0.0019	ND034

1) Arsenic results at Well Site 2 for all three wells are within the blending MCL of 10 ppb. All other well sites were below the MCL. While your drinking water meets the Federal and State standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S.

Units of Measure and the equivalence :

No

0/45

02

ND

To help you better understand the units of measure listed with substances and results (ex: ppm, ppb) please see the table below. If you have any questions, call the Water Department at (209) 385-6800. This table is provided by the State Water Board- Division of Drinking Water.

Internal corrosion of household water plumbing systems; discharges from industrial manufactur-

wood preservatives

ers; erosion of natural deposits

Unit	Equivalence		
mg/L - milligrams per liter	= ppm - parts per million	= 1 second in 11.5 days	
ug/L - micrograms per liter	= ppb - parts per billion	= 1 second in nearly 32 years	
ng/L - nanograms per liter	= ppt - parts per trillion	= 1 second in nearly 32,000 years	

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 can 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; by-products of industrial processes and petroleum production, which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems.

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

DEFINITIONS

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

MCL (Maximum Contaminant Level): 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 (SMCLs) are set to protect the odor, taste

EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

2) SWRCB considers 50 pCi/L to be the level of concern for beta particles. 3) 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 specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

4) While your drinking water meets Federal and State standards, it may contain low levels of contaminants below detection limits and below the Regulatory Action Level. The PCE and TCE standard balances the current understanding of possible health effects against the cost of removing contaminants from the drinking water. The U.S. EPA continues to research the health effects of low levels of PCE and TCE.

5) Corrosivity is not a National Environmental Laboratory Accreditation Program accredited analyte. All sampling results are based and calculated on an average of 20 production wells.

6) Unregulated contaminant monitoring helps the U.S. EPA and the State Water Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

* *There is no MCL for PFOA or PFOS; however, there is an established Notification Level (NL). In August 2019, the Division of Drinking Water (DDW) lowered the PFOA NL from 14 ppt to 5.1 ppt and the PFOS NL from 13 ppt to 6.5 ppt.

and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): 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. EPA.

MRDL (Maximum Residual Disinfectant Level): 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.

MRDLG (Maximum Residual Disinfectant Level Goal): 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.

ND (Not detected): Indicates that the substance was not found by laboratory analysis .

NL (Notification Level) Health-based advisory levels established for chemicals in drinking water that lack maximum contaminant levels. NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

PHG (Public Health Goal): 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.

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

PHG (Public Health Goal): 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.

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

mg/L; ug/L; ng/L; ppm; ppb; ppt: listed above in the equivalence table