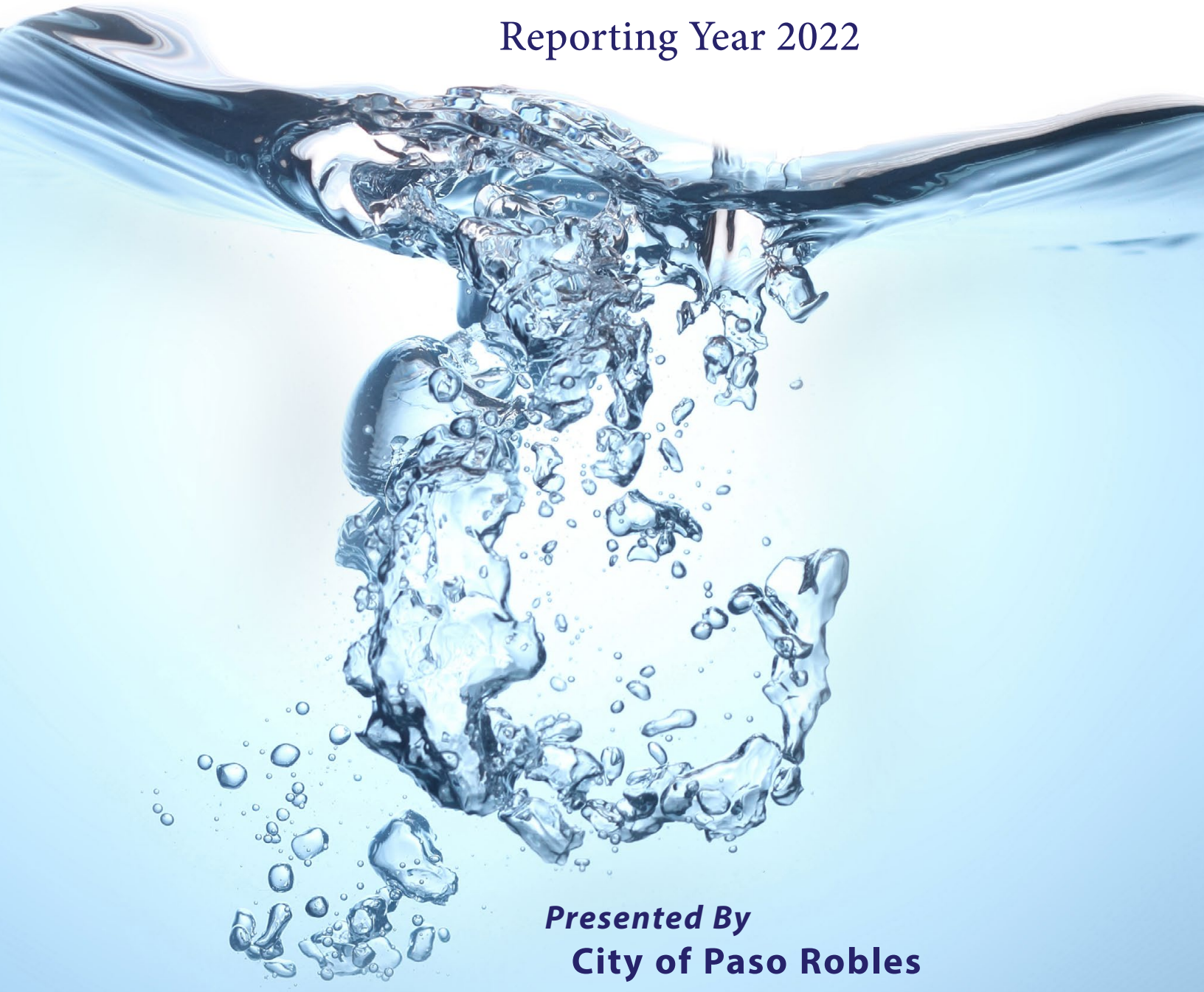
ANNUAL WATER QUALITY REPORT

Reporting Year 2022



Presented By

City of Paso Robles

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

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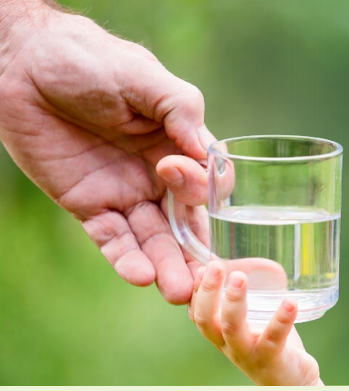

Our Mission Continues

We are pleased to present our annual water quality report covering all testing performed between January 1 and December 31, 2022. The City's Water Department is committed to producing and delivering high-quality drinking water that meets all state and federal standards. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users. Please remember that we are always available should you ever have any questions or concerns about your water.

Lead in Home Plumbing

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. We are responsible for providing high-quality drinking water, but we 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 two minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) 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 at (800) 426-4791 or at www.epa.gov/safewater/lead.

Where Does My Water Come From?

The City of Paso Robles produces groundwater from 19 wells and surface water from Lake Nacimiento. This water is treated at our treatment plant. Water that is not immediately used in the system fills storage tanks with approximately 12 million gallons of capacity. These tanks maintain system pressure while providing storage for emergencies and firefighting.

Source Water Assessment

The City of Paso Robles has completed an assessment of our drinking water sources. The assessment found our sources potentially vulnerable to agricultural drainage, auto repair shops, gas stations, home manufacturing, low-density septic systems, sewer collection systems, metal plating/finishing/fabricating, animal operations, agriculture and irrigation wells, and plastic and synthetics producers. This simply means that these activities take place in the general vicinity of some wells. It does not mean there are any problems resulting from these activities, only that a potential vulnerability exists. If you have any questions or would like to view the completed assessments, please contact Chris Stanley at the Paso Robles Water Division, (805) 237-3866.

Additional Monitoring

Routine testing of the city's groundwater wells in 2022 indicated the presence of vanadium in Well 22 at concentrations of 56 and 57 parts per billion (ppb), which are slightly above the state notification limit of 50 ppb but substantially below the state action level of 500 ppb. Vanadium is a naturally occurring element present in soil, shale, and rock. Currently there is no maximum contaminant level or public health goal for vanadium in potable water, but it is possible that a public health goal or regulatory standard will be established in the future. Well 22 is not typically used; it produces very little water, and any water that is produced is blended with water from other sources before reaching customers, reducing the concentration of vanadium in delivered water. Although state regulations allow for continued use of water sources with vanadium above the 50-ppb notification level for potable water, the city does not have immediate need for water from Well 22 and does not intend to use it to produce water for distribution to our customers.

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 U.S. EPA/CDC (Centers for Disease Control and Prevention) 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 or http://water.epa.gov/drink/hotline.

QUESTIONS? For more information about this report, or for any questions relating to your drinking water, please call Chris Stanley at (805) 237-3866 or email us at water@prcity.com.

Substances That Could Be in Water

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 Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that 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.

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, 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 which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

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

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.

Community Participation

We welcome your comments, questions, and concerns regarding your drinking water. We encourage you to contact the city Utilities Department directly at (805) 237-3861, or you can voice your concerns during the public comment portion of the Paso Robles City Council meetings. The meetings are held on the first and third Tuesdays of each month at 6:30 p.m. at the City Hall/Library Complex, 1000 Spring Street.

To view this report online or get more information regarding the City of Paso Robles Water Division, visit us at https://www.prcity.com/421/Water.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	2022	10	0.004	1.47	ND–7.7	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2022	1	2	0.04356	ND–0.330	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Chlorine (ppm)	2022	[4.0 (as Cl2)]	[4 (as Cl2)]	1.2	0.4–2.2	No	Drinking water disinfectant added for treatment
Fluoride (ppm)	2022	2.0	1	0.22	0.1–0.4	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Particle Activity (pCi/L)	2022	15	(0)	1.35	ND–7.2	No	Erosion of natural deposits
HAA5 [sum of 5 haloacetic acids]–Stage 2 (ppb)	2022	60	NA	14.29	2.3–53.6	No	By-product of drinking water disinfection
Nickel (ppb)	2022	100	12	0.05	ND–18.3	No	Erosion of natural deposits; discharge from metal factories
Nitrate [as nitrogen] (ppm)	2022	10	10	1	ND–4.2	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite [as N] (ppb)	2022	10,000	10,000	1,170	ND–4,200	No	Runoff and leaching from fertilizer use; leaching from septic tanks sewage; erosion of natural deposits
Selenium (ppb)	2022	50	30	7.37	ND–30	No	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Thallium (ppb)	2022	2	0.1	0.0003	ND–1.1	No	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
TTHMs [total trihalomethanes]–Stage 2 (ppb)	2022	80	NA	32.05	12.5–75.4	No	By-product of drinking water disinfection
Turbidity (NTU)	2022	TT	NA	0.094	0.011–0.094	No	Soil runoff
Turbidity [lowest monthly percent of samples meeting limit]	2022	TT = 95% of samples meet the limit	NA	100	NA	No	Soil runoff
Uranium (pCi/L)	2022	20	0.43	0.02	ND–6.6	No	Erosion of natural deposits

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH %ILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2022	1.3	0.3	0.420	0/30	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2022	15	0.2	ND	0/30	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	2022	500	NS	38.81	4.9–230	No	Runoff/leaching from natural deposits; seawater influence
Color (units)	2022	15	NS	1.68	ND–3	No	Naturally occurring organic materials
Copper (ppm)	2022	1.0	NS	0.00212	ND–0.061	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Iron (ppb)	2022	300	NS	13.25	ND–230	No	Leaching from natural deposits; industrial wastes
Manganese (ppb)	2022	50	NS	0.33	ND–1.7	No	Leaching from natural deposits
Odor, Threshold (units)	2022	3	NS	1.79	1–4	No	Naturally occurring organic materials
Specific Conductance (µS/cm)	2022	1,600	NS	594.45	300–1,200	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2022	500	NS	69.77	19–150	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2022	1,000	NS	388.12	190–760	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2022	5	NS	0.51	0.2–1.6	No	Soil runoff
Zinc (ppm)	2022	5.0	NS	0.00046	ND–0.11	No	Runoff/leaching from natural deposits; industrial wastes

UNREGULATED SUBSTANCES [1]

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Boron (ppb)	2022	113.69	ND–800	NA
Hardness, Total [as CaCO3] (grains/gal)	2022	14.34	7.6–28.7	NA
Sodium (ppm)	2022	35.30	12–140	NA
Vanadium (ppb)	2022	8.89	ND–57	NA

OTHER UNREGULATED SUBSTANCES [1]

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Bicarbonate (ppm)	2022	228.46	150–360	NA
Calcium (ppm)	2022	58.55	29–110	NA
Chromium-6 (ppb)	2022	0.06	ND–2.0	NA
pH (units)	2022	7.74	7.5–8.1	NA
Potassium (ppm)	2022	1.57	1.1–2.8	NA
Total Alkalinity (ppm)	2022	185.54	120–296.7	NA

[1] Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board determine where certain contaminants occur and whether the contaminants need to be regulated.

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

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

grains/gal (grains per gallon): Grains of compound per gallon of water.

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, 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.

NA: Not applicable.

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

NS: No standard.

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.

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.

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

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

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

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.