



What's in my water?

The City of Brawley is pleased to publish the 2025 Water Quality Report. The water delivered to your home or business this past year complied with all State and Federal drinking water requirements. For your information, we have compiled the information in the table below. The City wants you to know exactly what was detected in the water supply and how much of each substance was present. The State of California requires the City to monitor for certain substances less than once per year because the concentrations of these substances do not change frequently.

Chemical or Constituent (Unit of Measurement)	Sample Date	Avg. Level Detected	Range of Results	Sample Date	Avg. Level Detected	Range of Results	MCL [MRDLG]	PHG (MCLG) [MRDLG]	Violation	Typical Source of Contaminant
DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD regulated to protect against possible health effects.										
Aluminum (ppb)	4 samples in 2025	328	160-470	12 monthly samples in 2025	31	ND-83	1000	600	N/A	Erosion of natural deposits, residue from some surface water treatment processes.
Arsenic (ppb)	02/26/25	2.3	N/A	N/A	N/A	N/A	10	0.004	N/A	Erosion of natural deposits: runoff from orchards; glass and electronics production wastes.
Barium (ppm)	02/26/25	0.12	N/A	N/A	N/A	N/A	1	2	N/A	Discharge of oil drilling wastes and from metal refineries, erosion of natural deposits.
Fluoride (ppm)	2 samples in 2025	0.39	0.34-0.43	N/A	N/A	N/A	2	1	N/A	Erosion of natural deposits, water additive that promotes strong teeth, discharge from fertilizer and aluminum factories.

DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD regulated to protect against possible health effects.										
Aluminum (ppb)	4 samples in 2025	328	160-470	12 monthly samples in 2025	31	ND-83	1000	NONE		Erosion of natural deposits, residue from some surface water treatment processes.
Chloride (ppm)	10/29/25	130	N/A	N/A	N/A	N/A	500	N/A		Naturally-occurring organic materials.
Color (color units)	10/29/25	15	N/A	N/A	N/A	N/A	15	N/A		Naturally-occurring organic materials.
Iron (ppb)	4 samples in 2025	323	160-440	12 monthly samples in 2025	ND	0-<100	300	NONE		Leaching from natural deposits, industrial wastes.
Odor Threshold units (per cubic meter)	10/29/25	1	N/A	N/A	N/A	N/A	3	N/A		Naturally-occurring organic materials.
Specific Conductance (umhos/cm)	10/29/25	1200	N/A	N/A	N/A	N/A	1600	N/A		Substances that form ions when in water, seawater influence.
Sulfate (ppm)	10/29/25	290	N/A	N/A	N/A	N/A	500	N/A		Runoff/leaching from natural deposits, industrial wastes.
Total Filterable Residue (TDS) (ppm)	10/29/25	680	N/A	N/A	N/A	N/A	1000	N/A		Runoff/leaching from natural deposits.
Turbidity (ntu) WTP	Influent Average for 2025	3.9	1.44-11.50	2025	0.04/100%	N/A	TT=1 ntu / TT=95% of samples ≤0.3 ntu	N/A	N/A	Soil runoff.

RADIOACTIVE CONTAMINANTS										
Gross Alpha (pCi/L)	10/29/25	4.9	N/A	N/A	N/A	N/A	15	0	N/A	Erosion of natural deposits.
Uranium (pCi/L)	10/29/25	2.9	N/A	N/A	N/A	N/A	20	0.43	N/A	Erosion of natural deposits.

DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS										
Chlorine (ppm)	N/A	N/A	N/A	12 monthly average samples in 2025	1.14	1.07-1.21	[4]	[4]		Drinking water disinfectant added for treatment.
HAAS (ppb)	N/A	N/A	N/A	4 quarterly samples in 2025	24 (Highest LRAA)	12.6-47.3	60	N/A		Byproduct of drinking water disinfection sampled quarterly.
TTHM (ppb)	N/A	N/A	N/A	4 quarterly samples in 2025	50 (Highest LRAA)	24.2-68.1	80	N/A		Byproduct of drinking water disinfection sampled quarterly.

LEAD AND COPPER (Tap water samples were collected from 30 homes in the service area).										
SUBSTANCE (unit of measurement)	YEAR SAMPLED	REGULATORY ACTION LEVEL (RAL)	PHG	AMOUNT DETECTED	HOMES ABOVE RAL	VIOLATION	TYPICAL SOURCE			
Copper (ppm)	2020	1.3	0.3	0.073	0	NO	Internal corrosion of household water plumbing systems, erosion of natural deposits, leaching from wood preservatives.			
Lead (ppb)	2020	15	0.2	ND	0	NO	Internal corrosion of household water plumbing systems, discharge from industrial manufacturers, erosion of natural deposits.			

MICROBIOLOGICAL CONTAMINANTS										
Contaminant	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical Source of Contaminant					
Total Coliform Bacteria (State Total Coliform Rule)	0 (In a month)	0	5% positive for the month	0	Naturally present in the environment.					
Fecal Coliform or E. Coli (Federal Revised Total Coliform Rule)	0 (In a month)	0	(a)	0	Human and animal waste.					

(a) Routine and repeat samples are total coliform-positive and either is E. coli - positive or system fails to take repeat samples following E. coli -positive routine samples or system fails to analyze total coliform-positive repeat samples for E. coli.

VIOLATION OF A MCL, MRDL, AL,TT, OR MONITORING AND REPORTING REQUIREMENT
NO VIOLATIONS.

UNREGULATED CONTAMINANTS, OTHER SUBSTANCES										
SUBSTANCE	YEAR SAMPLED	AMOUNT								
Alkalinity (ppm)	2025	160	Is a measure of the ability of a solution to neutralize acids.							
Bicarbonate (ppm)	2025	180	Naturally occurring mineral.							
Boron (ppm)	2025	150	NL = 1 ppm	Runoff/leaching from natural deposits.						
Calcium(ppm)	2025	84	Runoff/leaching fro natural deposits.							
Magnesium (ppm)	2025	30	Naturally occurring mineral.							
Ph (ph units)	2025	8.3	Is a measure of the acidity and alkalinity.							
Potassium (ppm)	2025	5.5	Runoff/leaching fro natural deposits.							
Sodium (ppm)	2025	120	Leaching from natural deposits.							
Total Hardness (ppm)	2025	330	Runoff/leaching from natural deposits.							
Vanadium (ppm)	2025	0.003	NL = 0.05 ppm	Leaching from natural deposits.						

DEFINITIONS TABLE

LRAA: Location Running Annual Average.

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) economically and technologically feasible. Secondary MCLs (2nd MCL are set to protect the odor, 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 USEPA.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of 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.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for control of microbial contaminants.

NA: Not applicable.

ND: Not Detected.

NL: Notification Level.

NS: Not Standard.

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

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

PDWS (Primary Drinking Water Standard): MCLs 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 CEPA.

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

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

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

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

WTP: Water Treatment Plant