

# MODEL IRRIGATION DISTRICT 2022 ANNUAL WATER QUALITY DATA REPORT

Listed below are the drinking water contaminants that we detected during the 2022 calendar year. The presence of any contaminant in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1-December 31, 2022. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Any Questions 926-5759-Rick Neal Manager

Parameter	Exceed MCL	Exceed MCLG	Level Detected	Likely Source of Contamination
<b><u>Microbiology</u></b> 128 tests taken during the year at all well sites & sample stations. Total Coliform Bacteria Fecal Coliform and E. Coli	NO NO	NO NO	All tests satisfactory.	Naturally present in the environment, and from industrial or domestic wastewater discharges, mining or farming and livestock productions.
<b><u>Inorganic Chemicals</u></b> As required. IOCs per well site  Herbicides, Pesticides  Nitrate All Satisfactory, tested annually.	NO  NO  NO	NO  NO  NO	All tests below MCL.  All test - Normal	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
<b><u>Synthetic Organic Compounds</u></b> As required Tested for SOC's per well site	NO	NO	All results – N/D (None Detected within the sensitivity of the instrument.	By product of industrial processes & petroleum production, leaking petroleum storage tanks, cleaning.
<b><u>Volatile Organic Compounds</u></b> As required All wells tested for VOC's.	NO	NO	None Detected	Solvent spills/discharges into storm drains or sewers.
<b><u>Lead and Copper</u></b> 23+ homes tested 8/26/21,	NO	NO	None Detected	Leaching from metal water pipes and fittings.
<b><u>PFAS and PFOA 7/26/22</u></b>	NO	NO	In Compliance with state and federal guidelines.	Industrial
<b><u>Radionuclides</u></b> As required Tested for radionuclides 5/1/21	NO	NO	None Detected	Naturally occurring in the environment.

## **TERMS AND ABBREVIATIONS**

- **ND:** *non detectable at testing limit*
- **pCi/l:** *picocuries per liter*
- **Maximum Contaminant Level (MCL):** the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- **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 allow for a margin of safety.
- **Action Level (AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **Turbidity:** a single day or series of consecutive days, when one or more turbidity measurement each day exceeds 5 NTU (nephelometric turbidity unit). Indicates possible microbiological excess.