2023 Consumer Confidence Report

| Water System Name: | Robert's Investments | Report Date: June 2024 |
|---|---|---|
| the results of our monito | ring for the period of January 1 - De | equired by State and Federal Regulations. This report shows exember 31, 2023 and may include earlier monitoring data. |
| Este informe contiene i entienda bien. | nformación muy importante sobre | su agua potable. Tradúzcalo ó hable con alguien que lo |
| Type of water source(s) | in use: Water is trucked in from a | Mojave PUD Well. |
| For more information, c | ontact: Kirk Tracey | Phone: 661-203-9095 |

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.

Contaminants that may be present in source water include:

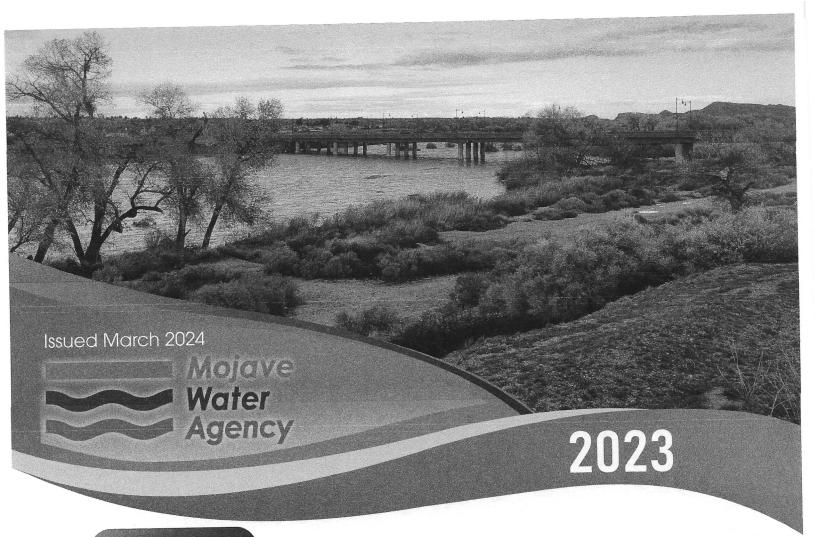
- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, 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, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

| | Table 1. Samplin | g Results Showing | the Detection of Co | liform Bacteria | |
|---------------------------------|---------------------------|----------------------------------|---------------------|-----------------|-------------------------------|
| Microbiological Contaminants | Highest No. of Detections | No. of Months in Violation | MCL | MCLG | Typical Source of Bacteria |
| E. coli | (In the year) | 0 | (a) | 0 | Human and animal fecal 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 sample or system fails to analyze total coliform-positive repeat sample for E. coli.

| TABLE 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER | | | | | | | |
|--|--------------------------|---|------------------------------|-----|-----|---|--|
| Lead and Copper (complete if lead or copper detected in the last sample set) | No. of samples collected | 90 th percentile level detected | No. sites exceeding AL | AL | PHG | Typical Source of Contaminant | |
| Lead (ppb) (Sampled 9/29/22) | 5 | ND | 0 | 15 | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits | |
| Copper (ppm) (Sampled 9/29/22) | 5 | ND | 0 | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | |

| STAGE 2 DETECTION OF DISINFECTANTS/DISINFECTION BYPRODUCT RULE MONITORING | | | | | | | |
|---|----------------|-------------------|---------------------|-----|---------------|--|--|
| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contaminant | |
| Total Trihalomethanes (TTHMs) (ppb) | 2023 | 41 | 41 | 80 | N/A | Byproduct of drinking water disinfection | |
| Haloacetic Acids (5) (HAA5) (ppb) | 2023 | 8.0 | 8.0 | 60 | N/A | Byproduct of drinking water disinfection | |



Contact Us

For questions, contact Director of Engineering and Operations Michael Simpson during our regular office hours:

M-Th 8 a.m. – 5 p.m. Alternating Fridays 8 a.m. – 4:30 p.m. Closed on Holidays

(760) 946-7000 www.MojaveWater.org PublicAffairs@mojavewater.org

13846 Conference Center Dr. Apple Valley, CA 92307

MWA Board Meetings are open to the public at 9:30 a.m. on the second and fourth Thursday of each month

En Español

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Mojave Water Agency a 760-946-7000 para asistirlo en español.

Consumer Confidence Report

The Mojave Water Agency (MWA) conducts extensive water quality tests annually to ensure our region has a clean, sustainable water supply.

The results in our 2023 Consumer Confidence Report represent the most recent sampling, which could be from previous years, as indicated. We encourage you to review this report which provides a description of where your water comes from and detailed information about your water quality.

Adnan Anabtawi

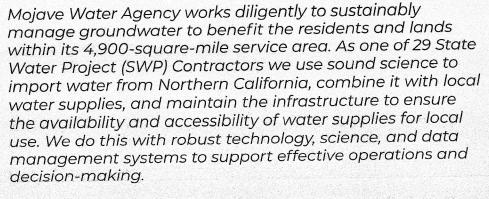
General Manager



From the Board of Directors Our commitment to you...



Kimberly Cox President





Rick Roelle Vice President

The Regional Recharge and Recovery Project (R3) delivers imported State Water Project water into the local aquifers along the Mojave River in Hesperia and Apple Valley. MWA stores these supplies as groundwater until it is needed, then recovers it for wholesale distribution to local purveyors, including the Victorville Water District, Hesperia Water District, Liberty Utilities (Apple Valley), and City of Adelanto.



Mike Page Treasurer

Water provided by the Mojave Water Agency has met all of California's Drinking Water standards. Through MWA's trained and certified water professionals, customers have the security of knowing their drinking water has proper monitoring and oversight. We are committed to providing our customers with reliable, high-quality drinking water.



Marina West Secretary



Kathy Hoffman Director



Jesse Ramirez Director



Mike Limbaugh Director

2023 Drinking Water Quality Test Results Wells 1-5

This report includes results from several tests for various constituents. Mojave Water Agency routinely monitors for constituents in the Agency's drinking water in accordance with Federal and State laws. Substances that are not detected (ND) are not listed. Values accompanied by < indicate a result less than the detection limit.

The results below represent drinking water quality tests performed by Mojave Water Agency on Wells 1, 2, 3, 4, & 5 in the R3 wholesale water system. These wells provide high quality drinking water through service connections to the cities of Victorville, Hesperia and Adelanto upon request. Contact your local water provider for detailed information on your water quality and where your water comes from.

| norganic w/ Primary D | rinkina Wa | ster Standards | | | | | Wells 1, 2, 3, 4, & 5 | |
|--|-------------|-------------------|--------------|-----------|---------------|---|--|--|
| ontaminants | | Sample Range | MCL | PHG | Sample Date | Violation | Major Sources in Drinking Water | |
| luoride (mg/L) | 0.28 | 0.23 - 0.33 | 2 | 1 | 2022 | NO | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories | |
| Naturally Occurring) litrate as N (mg/L) | 0.54 | 0.47 - 0.64 | 10 | 10 | 2023 | NO | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits | |
| NO3-N) litrate + Nitrite (mg/L) | 0.54 | 0.47 - 0.64 | 10 | 10 | 2023 | NO | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits | |
| as N) Radioactive Contamin | onte | | | | | | Wells 1, 2, 3, 4, & | |
| 医自己人名英格兰人名 医克拉克氏征 医克拉克氏征 医克拉克氏征 医多种性性 | <1,0 | <1.0 - 1.2 | 20 | 0.43 | 2022 | NO | Erosion of natural deposits | |
| Jranium (pCi/L) Radium 226 + 228 | <1.0 | <1.0 - 1.4 | 5 | 0 | 2022 | NO | Erosion of natural deposits | |
| pCi/L) | | | | | | Sample resul | Its are from the distribution system from Wells 1, 2, 3, 4, $\&$ | |
| Disinfectant Byproduc Haloacetic Acids (ug/L) | <1.0 | <1.0 - 1.2 | 60 | N/A | 2023 | NO | Byproduct of drinking water disinfection | |
| (HAA5) Total Trihalomethanes (ug/L) (TTHM) | 5.9 | <1.0 - 15.4 | 80 | N/A | 2023 | NO | Byproduct of drinking water disinfection | |
| Regulated Contamina | nts with S | econdary Maximui | n Contaminan | t Levels | | | Wells 1, 2, 3, 4, 8 | |
| | Average | | econdary MCL | | Violation | | Major Sources in Drinking Water | |
| Contaminants Chloride (mg/L) | 24 | 19 - 29 | 500 | 2022 | NO | Runoff/leaching from natural deposits; seawater influence | | |
| Foaming Agents (ug/L) (MBAS) | <100 | <100 - 100 | 500 | 2022 | NO | Municipal and industrial wastes discharges | | |
| Odor (units) | 1 | 1 1 | 3 | 2022 | NO | Naturally occurring organic materials | | |
| Specific Conductance (µS/cm) | 262 | 240 - 290 | 1600 | 2022 | NO | Substances that form ions when in water; seawater influence | | |
| Sulfate (mg/L) | 15 | 12 - 17 | 500 | 2022 | NO | Runoff/leaching from natural deposits; industrial wastes | | |
| Total Dissolved Solids (mg/L) | 170 | 140 - 190 | 1000 | 2022 | NO | Runoff/leaching from natural deposits | | |
| Turbidity (NTU) | 0.17 | <0.10 - 0.40 | 5 | 2022 | NO | Soil runoff | | |
| Disinfection Residual | s | | | | | Sample resu | ults are from the distribution system from Wells 1, 2, 3, 4, | |
| Constituent | Average | Sample Range | MCL | PHG (MCLG |) Sample Date | | Major Sources in Drinking Water | |
| Chlorine (mg/L) | 0.49 | 0.20 - 0.94 | 4 | 4 | Weekly | Drinking w | rater disinfectant added for treatment | |
| Constituents that ma | v he of int | erest to consumer | S | | | | Wells 1, 2, 3, 4, | |
| Constituents | | | | Average | Range | Sample Dat | | |
| Bicarbonate (mg/L) | | | | 82 | 80 - 86 | 2022 | No PHG or MCL's available | |
| Calcium (mg/L) | | | | 30 | 28 - 32 | 2022 | No PHG or MCL's available | |
| Magnesium (mg/L) | | | | | 4.3 - 4.8 | 2022 | No PHG or MCL's available | |
| pH | | | | | 7.1 - 7.7 | 2022 | No PHG or MCL's available | |
| Potassium (mg/L) | | | | | 1.5 - 1.6 | 2022 | No PHG or MCL's available | |
| Sodium (mg/L) | | | | | 15 - 17 | 2022 | No PHG or MCL's available | |
| Total Alkalinity (as CaCO3) (mg/L) | | | | | 66 - 71 | 2022 | No PHG or MCL's available | |
| Total Hardness (as Ca | | | | 94 | 88 - 100 | 2022 | No PHG or MCL's available | |
| TOTAL FIGURES | , , , , | | | 11.20 | 10.77 - 11.4 | 0 2022 | No PHG or MCL's available | |

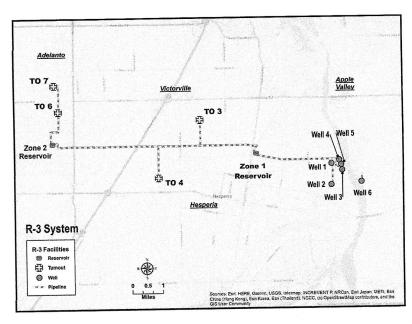
2023 Drinking Water Quality Test Results Well 6

The results below represent drinking water quality tests performed by Mojave Water Agency on Well 6, which provides water to Liberty Utilities (Apple Valley) upon request.

| Inorganic w/ Primary D | rinking W | ater Standards | | | | | Well 6 | | |
|---------------------------------------|---------------|---|---------------|-------------|-------------|--|---|--|--|
| Contaminants | Average | Sample Range | MCL | PHG | Sample Date | Violation | Major Sources in Drinking Water | | |
| Fluoride (mg/L) (Naturally Occurring) | 0.26 | 0.26 | 2 | 1 | 2022 | NO | teetn; discharge from let tilizer and aluminam recented | | |
| Nitrate as N (mg/L) (NO3-N) | 0,53 | 0.53 | 10 | 10 | 2023 | NO Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits | | | |
| Nitrate + Nitrite (mg/L) (as N) | 0.53 | 0.53 | 10 | 10 | 2023 | NO Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits | | | |
| Radioactive Contamin | ants | | | | | | Well 6 | | |
| Radium 226 + 228 | <1.0 | <1.0 - 1.1 | 5 | Ô | 2022 | NO | Erosion of natural deposits | | |
| (pCi/L) Regulated Contamina | nte with Si | econdary Maxim | um Contaminan | t Levels | | | Well 6 | | |
| | Average | Sample Range | Secondary MCL | Sample Date | Violation | | Major Sources in Drinking Water | | |
| Contaminants | Average 28 | 28 | 500 | 2022 | NO | Runoff/leaching from natural deposits; seawater influence | | | |
| Chloride (mg/L) Odor (units) | 1 | 1 | 3 | 2022 | NO | Naturally occurring organic materials | | | |
| Specific Conductance (µS/cm) | 270 | 270 | 1600 | 2022 | NO | Substances that form ions when in water; seawater influence | | | |
| Sulfate (mg/L) | 16 | 16 | 500 | 2022 | NO | Runoff/lead | ching from natural deposits; industrial wastes | | |
| Total Dissolved Solids | 170 | 170 | 1000 | 2022 | NO | Runoff/leaching from natural deposits | | | |
| (mg/L) Constituents that may | , he of inte | rast to consum | are. | | | | Well 6 | | |
| Constituents | , econocc | 103110 00 | | Average | Range | Sample Date | Note Note | | |
| Bicarbonate (mg/L) | | | | 86 | 86 | 2022 | No PHG or MCL's available | | |
| Calcium (mg/L) | | | | 31 | 31 | 2022 | No PHG or MCL's available | | |
| Magnesium (mg/L) | | | 4,8 | 4.8 | 2022 | No PHG or MCL's available | | | |
| pH | | | 7.5 | 7.5 | 2022 | No PHG or MCL's available | | | |
| Potassium (mg/L) | | | | 1.7 | 1.7 | 2022 | No PHG or MCL's available | | |
| Sodium (mg/L) | | | | 17 | 17 | 2022 | No PHG or MCL's available | | |
| Total Alkalinity (as CaCO3) (mg/L) | | | | 70 | 70 | 2022 | No PHG or MCL's available | | |
| Total Hardness (as Cal | | CONTROL OF THE PROPERTY OF THE PARTY OF THE | | 98 | 98 | 2022 | No PHG or MCL's available | | |
| Aggressive Index | 10.04 6.00 | | | 11.20 | 11.20 | 2022 | No PHG or MCL's available | | |



Regional Recharge and Recovery Water Supply



Mojave Water Agency's R3 water supply is 100 percent groundwater. The Agency obtains its source of groundwater from six (6) vertical wells which are located in the Alto Subarea of the Upper Mojave River Groundwater Basin. Each well has a capacity of approximately 3,500 gallons per minute. The Agency maintains two (2) storage reservoirs that have a combined capacity of approximately 7.5 million gallons.

To help monitor and keep your water safe, staff uses a Supervisory Control and Data Acquisition (SCADA) system to monitor reservoir levels, chlorine levels, and well status. The SCADA system provides remote operation and monitoring capabilities, increased security, and advanced notification. This is just one of the ways the Agency provides you with safe and reliable drinking water.

Source Water Assessment

Source water assessments were conducted for Wells 1-5 in June 2012 and Well 6 was conducted in September 2011. The assessments are summarized in the table below. A copy of the complete source water assessment and vulnerability assessment can be obtained by contacting the Mojave Water Agency at 13846 Conference Center Dr., Apple Valley, CA 92307; or the State Water Resources Control Board (SWRCB), 464 West 4th Street, Suite 437, San Bernardino, CA 92401. You may request a summary of the assessments be mailed to you by contacting the Mojave Water Agency at (760) 946-7000 or SWRCB District Engineer at (909) 383-4328.

| Source Number | Source ID | Most Vulnerable Activities (PCA) |
|---------------|-----------|---|
| 001 | Well No.1 | Animal feeding operations as defined in federal regulations2 - Septic systems- high density [>1/acre] |
| 002 | Well No.2 | Animal feeding operations as defined in federal regulations2 - Septic systems- high density [>1/acre] |
| 003 | Well No.3 | Animal feeding operations as defined in federal regulations2 |
| 004 | Well No.4 | Animal feeding operations as defined in federal regulations2 |
| 005 | Well No.5 | Animal feeding operations as defined in federal regulations2 |
| 006 | Well No.6 | Animal feeding operations as defined in federal regulations2 - Septic systems- high density [>1/acre] Wells- Agricultural / Irrigation |

Water in the Environment

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.

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 occur naturally or 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, that
 are byproducts of industrial processes and petroleum production, and can also come
 from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants that can be naturally-occurring or be the result of oil and gas production and mining activities.

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 Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

How we protect water quality

For you and your family

1. Extensive Testing

Water quality technicians test the water weekly for bacteriological activity at six locations. We also perform bacteriological tests on each active well site monthly. The samples are tested by an independent state certified lab.

2. Disinfect for Safety

A small amount of chlorine is added at a centralized location on a continual basis to ensure the water remains free of any bacteria.

3. Flush the System

Staff periodically flushes water out of blow-offs, key flush points within the distribution system, at a high velocity to remove small amounts of natural sand and minerals that can slowly build up in pipelines. This happens because our water comes from deep groundwater wells.

Additional General Information About Drinking Water

Are Special Precautions Needed?

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's 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. Mojave Water Agency is responsible for providing high quality drinking water, but 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 2 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. For information on lead in drinking water, testing methods, and steps you can take to minimize exposure please check https://www.epa.gov/lead or call the Safe Drinking Water Hotline, 1-800-426-4791.

Sensitive populations may be more vulnerable

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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. U.S. EPA/Centers for Disease Control (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, 1-800-426-4791.

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. The tables in this report indicate which minerals and substances have been detected in the water provided by Mojave Water Agency. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA Safe Drinking Water Hotline at 1-800-426-4791.

You can also go to the following websites for more information:

U.S. EPA - www.epa.gov/safewater

CA State Water Resources Control Board - www.waterboards.ca.gov/drinking_water/programs/

Definitions

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCL's are set as close to the PHG's (or MCLG's) as is economically and technologically feasible.

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

Maximum Residual Disinfectant Level (MRDL): 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.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Notification Level (NL): The concentration of a contaminant which, if exceeded, triggers notification to local political jurisdictions and customers.

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

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHG's are set by the California Environmental Protection Agency.

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

Secondary Drinking Water Standard: Requirements that ensure appearance, taste, and smell of drinking water are acceptable.

Secondary MCL's (SMCL): Are set to protect the odor, taste, and appearance of drinking water.

Unregulated Contaminants: Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. For additional information, call the Safe Drinking Water Hotline at (800) 426-4791.

NA: Not applicable.

ND: Non-detected.

NTU: Nephelometric Turbidity Units.

µS/cm: a measure of conductance.

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

mg/L: milligrams per liter or parts per million (ppm).

ug/L: micrograms per liter or parts per billion (ppb).

< : Less than the detection limit.

1 mg/L is equivalent to one second of time in approx. 11 1/2 days.

1 ug/L is equivalent to one second of time in approx. 32 years.

