

KOHALA RANCH WATER COMPANY
2022 Annual Report to Consumers on Water Quality

The purpose of this report is to provide important information on the quality of water delivered by the Kohala Ranch Water Co. (KRWC) for calendar year 2021. This annual Consumer Confidence Report contains details about the Kohala Ranch water system, the quality and source of the water, how it compares to Environmental Protection Agency (EPA) and Department of Health (DOH) regulations, as well as other required educational information. The EPA has recommended this information be provided to all water customers of every water utility nationwide.

KRWC's water is safe to drink, and the water that KRWC delivers meets or exceeds state and federal standards. Water delivered to your residence originates from an aquifer located below the 1500 ft. elevation within the Kohala Ranch Subdivision. KRWC's two Deep Wells draw source water from the aquifer and deliver it to the ground surface. All source water is disinfected with Sodium Hypochlorite solution prior to entering the main reservoir. Water from the main reservoir flows through a network of pipelines, pumps, and valves; ending up at your residence for consumption.

Based upon KRWC's testing, the data presented is from the most recent water quality reports, and performed in accordance with regulations. KRWC does not conduct formal informational meetings; therefore, any inquiries regarding this report may be directed to KRWC's on-site operations office at (808) 315-7563. Our source water assessment report was completed by the Department of Health in 2004. Should you wish to review it, please contact Bill Moore at (808) 315-7563.

KRWC's water is regularly tested for over 100 contaminants which are listed on the following page. A certified laboratory analyzes all water samples. The following table lists only those contaminants that have been detected. **Please note that there were no violations of DOH standards with respect to the detected contaminants.**

Contaminant (units)	MCL	MCLG	Level Detected	Range	Sample Date	Violation	Typical source
<u>Inorganic</u>							
Nitrate as N (ppm)	10	10	1.0	N/A	08/21	none	erosion of natural deposits Runoff from fertilizer use
Chromium (ppb)	100	100	2.15	N/A	04/19	none	Erosion of natural deposits
Sulfate (Unregulated mg/l)	250	N/A	18.0	N/A	0/21	none	
Sodium (Unregulated mg/l)	N/A	N/A	43.0	N/A	04/19	none	
Gross Alpha Particle (pci/l)	15	0	4.4	N/A	10/16	none	Erosion of natural deposits
Gross Beta Particle (pci/l)	50*	0	5.8	N/A	04/19	none	Erosion of natural deposits

*The MCL for Beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for Beta Particles

Contaminant (units)	MCLG	Level Detected	Action Level	Sample Date	Violation	Typical source
<u>Inorganic Metals</u>						
Lead (ppb)	0	0.01075	15	8/21	none	natural deposit erosion, plumbing corrosion, Level detected is the 90 th percentile of all samples collected
Copper (ppm)	1.3	0.0	1.3	8/21	none	natural deposit erosion, plumbing corrosion Level detected is the 90 th percentile of all samples collected

Contaminant (units)	MCL	MCLG	Level Detected	Range	Sample Date	Violation	Typical source
<u>Disinfection Byproduct</u>							
Total Trihalomethanes (ppb)	80	N/A	23	N/A	2/20	none	by-products of drinking water chlorination

Acronyms and their definitions:

- (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 allow for a margin of safety.
- (MCL) Maximum Contaminant Level: 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.
- (AL) Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- (N) : nitrogen
- (mg/L) : milligrams per liter = parts per million(ppm)

- (ug/L) : micrograms per liter = parts per billion(ppb)
- (pCi/L): picocuries per liter
- (mrem/yr):One thousandth of a rem (millirem) per year. A millirem is a dose of energy to the body."

The state allows us to monitor for some contaminants less than once per year. Although KRWC is required to report detections of unregulated contaminants, the EPA and DOH have not as yet set a MCL or MCLG for unregulated contaminants.

CONTAMINANTS TESTED FOR IN YOUR DRINKING WATER

REGULATED CONTAMINANTS

Inorganic Contaminants

Antimony
Arsenic
Asbestos
Barium
Beryllium
Cadmium
Chromium
Copper

Cyanide
Fluoride
Lead
Mercury
Nickel
Nitrate(measured as Nitrogen)
Nitrite(measured as Nitrogen)
Selenium
Thallium

Volatile Organic Contaminants

Benzene
Carbon tetrachloride(CTC)
Chlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
trans-1,2-Dichloroethylene
Dichloromethane
1,2-Dichloropropane(DCP)
Ethylbenzene
Haloacetic acids(HAA5)
Styrene
Tetrachloroethylene(PCE)
1,2,4-Trichlorobenzene

1,1,1-Trichloroethane(TCA)
1,1,2-Trichloroethane
Trichloroethylene(TCE)

1,2,3-Trichloropropane(TCP)
Total trihalomethanes(TTHMs)
Toluene
Vinyl chloride
m-Xylenes
o-Xylenes
p-Xylenes

Microbiological Contaminants

Total Coliform bacteria
Fecal Coliform and E. Coli

Radioactive Contaminants

Alpha emitters
Beta/photon emitters

Synthetic Organic Contaminants

2,4-D
2,4,5-TP (Silvex)
Alachlor
Atrazine
Benzo(a)pyrene(PAHs)
Carbofuran
Chlordane
Dalapon
Di(2-ethylhexyl)adipate
Di(2-ethylhexyl)phthalate
Dibromochloropropane(DBCP)
Dinoseb
Dioxin (2,3,7,8 - TCDD)
Diquat
Endothal
Endrin
Ethylene dibromide (EDB)
Glyphosate
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Hexachlorocyclopentadiene
Lindane (gamma-BHC)
Methoxychlor
Oxamyl [Vydate]
Paraquat
PCBs(Polychlorinated
Biphenyls)
Pentachlorophenol
Picloram
Simazine

Toxaphene

UNREGULATED CONTAMINANTS

Aldicarb

Aldicarb sulfone
Aldicarb sulfoxide
Aldrin
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromomethane
Butachlor

Carbaryl
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
o-Chlorotoluene
p-Chlorotoluene
Dibromomethane
Dicamba
m-Dichlorobenzene
1,1-Dichloroethane

2,2-Dichloropropane
1,3-Dichloropropane
1,1-Dichloropropene
1,3 Dichloropropene
Dieldrin
3-Hydroxycarbofuran
Hexachlorobutadiene
Methomyl
Metolachlor
Metribuzin
Naphthalene
Propachlor
Sodium
Sulfate
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane

1,2,3-Trichlorobenzene

The purpose of unregulated
contaminant
monitoring is to assist the EPA in
determining the occurrence of
unregulated contaminants in drinking
water and whether future regulation
is warranted.

AUTOPAY/Email SIGN UP FORM

PAY YOUR BILLS THE EASY WAY...SIGN UP FOR AUTO PAY

Life's too short to write checks, address envelopes and lick stamps! By signing up for Auto Pay, charges for your service will be deducted directly from your bank account each billing cycle.

For your records, we will continue sending you a statement detailing the charges to your account prior to the automatic deduction -- you can even select to receive your statement via email!

TO ACTIVATE AUTO PAY and/or EMAIL OPTIONS: Please complete and return this form along with the required 'VOIDED' banking documents (for Bank Account Authorization only, see below) to:

Kohala Ranch Water Company . 59-916 Kohala Ranch Rd . Kamuela, HI 96743

Name: _____ (As it appears on your bill)

Book #: _____ Account #: _____

Service Address: _____ City: _____ State: _____ Zip: _____

Daytime Phone: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____ .If different from service addr.



Yes! I would like to pay my bills via autopay!

Bank Account Authorization

Name of Financial Institution: _____

ABA/Routing Number _____

Account Number _____

Type of Account: () Checking () Savings

For checking account, enclose VOIDED blank check. For savings account, enclose VOIDED deposit slip.



Yes! I would like to receive my bills via email!

Email Address: _____

Primary Phone Number: _____

I authorize KRWC through Hawaii Utility Business Services LLC (HUBS) and the financial institution named above to automatically draft my bank account for my service. I understand that this automatic draft will continue to recur each billing cycle a few days prior to the due date for the amount due in accordance with my service agreement with KRWC, which shall also include any additional charges or fees which I have incurred during a billing cycle. This authorization is to remain in full force and effect until KRWC has received written notification from me (or either of us) of its termination in such time and in such manner as to afford KRWC and the financial institution a reasonable opportunity to act on it.

I also understand that I am responsible for ensuring that the necessary funds are available at the time the draft occurs. I will continue to be responsible for payment should anything prohibit regular payment in this manner and KRWC is not responsible for any non-payment or subsequent damages which may occur.

Signature: _____ Date: _____

Joint Signature: _____ Date: _____

Please note that it may take one to two billing cycles for your request to be processed. During that time, you will need to continue paying your bill as usual. Then watch your Kohala Ranch Water Company statement for a message indicating that the Auto Pay service is in place.

QUESTIONS? For more information Call: 808-315-7563 or email hubsllc@gmail.com