The water serving **Your Location** has been tested and meets all Federal and State standards. 00111041

The water quality monitoring results are presented below.

The water sources serving this address are:

Source Name	Origin of Water	Treatment	Region
a) Kalauao Wells	Groundwater	Chlorination	1
b) Kalihi Shaft	Groundwater	Chlorination	1
c) Punanani Wells	Groundwater	Chlorination	1

Source Water Monitoring

The substances detected in these sources are shown below. If a substance is not shown, then it was not detected.

Regulated Contaminants (2)

Contaminant	Sample Year	Unit	Highest Average	Range		MCL (Allowed)	MCLG (Goal)	Found in Sources
				Minimum	Maximum			
1,2,3-Trichloropropane	2023	ppb	0.028	ND	0.068	0.600	0.000	c
Barium	2023	ppm	0.012	0.006	0.012	2.000	2.000	All Sources
Chromium	2023	ppb	1.300	1.300	1.300	100.000	100.000	c
Fluoride	2022	ppm	0.063	0.059	0.068	4.000	4.000	c
Nitrate	2023	ppm	0.490	0.280	0.490	10.000	10.000	All Sources

Definitions:

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.
MCLG	Maximum Contaminant Level Goal. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCGLs allows for a margin of safety.
GAC	Granular Activated Carbon Filtration
Health Advisory	An estimate of acceptable drinking water levels for a chemical substance based on health effects information. Health advisory is not a legally enforceable standard.
CFU/100ml	Colony forming units per 100 milliliter
mrem/yr	Millirems Per Year (A measure of Radiation)
pCi/L	Picocuries Per Liter (A measure of Radioactivity)
ppb	Parts per billion or Micrograms per liter
ppm	Parts per million or Milligrams per liter
ppt	Parts per trillion or Nanograms per liter
NQ	Not Quantifiable (<means "less than")
NYA	Not Yet Applicable
N/A	Not Applicable
ND	Not Detected
*	EPA considers 50 pCi/L to be the level of concern for beta particles
**	Secondary Maximum Containment Levels (SMCLs) are standards established as guidelines to assist public water systems in managing the aesthetics quality (taste, odor, and color) of drinking water. EPA does not enforce SMCLs.
(1)	Analysis by the State of Hawaii Department of Health
(2)	Analysis by the Honolulu Board Of Water Supply. Questions, call 748-5370.
(3)	Results from UCMR5 monitoring
(4)	This contaminant is considered in EPA's Hazard Index (HI) calculation, a cumulative health risk to be considered when multiple compounds are present, even if individual MCLs are met. The Hazard Index (HI) is the sum of the ratios of respective contaminants and the EPA requirement is for this sum of ratios to be less than 1 (unitless) to be in compliance. See: https://www.epa.gov/system/files/documents/2023-03/How%20do%20I%20calculate%20the%20Hazard%20Index._3.14.23.pdf
LRAA	Locational running annual average is the average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.
MRDL	Maximum residual disinfectant level: The highest level of a disinfectant allowed in drinking water.
MRDLG	Maximum residual disinfectant level goal: The level of a drinking water disinfectant below which there is no known or expected risk to health.

Unregulated Contaminants (Do not have designated maximum limits but require monitoring)

Contaminant	Tested By	Sample Year	Unit	Highest Average	Range		Health Advisory	Found in Sources
					Minimum	Maximum		
Chlorate	(2)	2023	ppb	30.000	17.000	30.000	210.000	All Sources
Chloride	(2)	2023	ppm	175.000	80.000	180.000	250 **	All Sources
Chromium, Hexavalent	(2)	2023	ppb	1.800	1.400	1.800	13.000	All Sources
Sodium	(2)	2023	ppm	50.000	36.000	50.000	60.000	All Sources
Strontium	(2)	2022	ppb	200.000	110.000	200.000	4000.000	All Sources
Sulfate	(2)	2023	ppm	24.000	11.000	24.000	250 **	All Sources
Vanadium	(2)	2022	ppb	16.000	8.600	16.000	21.000	All Sources

Distribution System Monitoring

Disinfection By-Products (2)

System Name	Contaminant	Sample Year	Unit	Min	Max	Highest LRAA	MCL (Allowed)	MCLG (Goal)
Honolulu-Windward-Pearl Harbor	Total Trihalomethanes	2023	ppb	0.00	15.00	11.80	80	None
	Haloacetic Acids (HAA5)	2023	ppb	0.00	0.00	0.00	60	None

Microbial Contaminants (2)

System Name	Contaminant	Number of positive E. coli samples found	Violation (Yes/No)	Number of assessments required to perform	Major sources in drinking water
Honolulu-Windward-Pearl Harbor	E. coli	1	No	0	Human and animal fecal waste

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Residual Chlorine (2)

System Name	Sample Year	Unit	Lowest Monthly Average	Highest Monthly Average	Running Annual Average	MRDL	MRDLG
Honolulu-Windward-Pearl Harbor	2023	ppm	0.29	0.32	0.30	4	4

Lead/Copper Testing (2)

Contaminant	Sample Year	Unit	90th Percentile Reading		Action Level	# Samples Above Action Level
			January - June	July - December		
Lead	2023	ppb	ND	ND	15.000	0
Copper	2023	ppm	0.050	0.061	1.300	0

See: https://www.boardofwatersupply.com/water-quality/lead-copper-rule

No violations found for calendar year 2023

Date Report Printed: 5/08/2024