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

This biennial report is published in July and December of each year and contains the test results showing your water is safe to drink. If a contaminant is not listed, then it was not detected.During this biennium there were no violations of the drinking water standards and the lead action limit. There are no uncorrected significant deficiencies identified during sanitary survey inspections of the water system and no unaddressed fecal indicator-positive groundwater source detections.Additional information about the report contents can be obtained by calling the Water Quality Division Program Administrator at 808-748-5080. Paper copies of this report can be obtained by calling (808)748-5041 or emailing us at contactus@hbws.org . The report is also available online at www.boardofwatersupply.com/water-quality/water-quality-report . For a translated copy of this report or to get assistance in another language, call the Board of Water Supply Communications Office at (808)748-5041. Please share this information with anyone who drinks this water (or their guardians), especially those who may not have received this report directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this report in a public place or distributing copies by hand, mail, email, or another method.

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 Minimum	Range Maximum	MCL (Allowed)	MCLG (Goal)	Found in Sources
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	2024	ppm	0.520	0.310	0.520	10.000	10.000	All Sources

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

Contaminant	Tested By	Sample Year	Unit	Highest Average	Range Minimum	Range Maximum	Health Advisory	Found in Sources
Chlorate	(2)	2024	ppb	17.000	15.000	17.000	210.000	a,c
Chloride	(2)	2024	ppm	140.000	69.000	140.000	250 **	All Sources
Chromium, Hexavalent	(2)	2023	ppb	1.800	1.400	1.800	13.000	All Sources
Hexavalent Chromium (CrVI)	(2)	2024	ppb	1.900	1.300	1.900	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)	2024	ppm	21.000	9.900	21.000	250 **	All Sources
Vanadium	(2)	2022	ppb	16.000	8.600	16.000	21.000	All Sources

Lead/Copper Testing (2)

Contaminant (Units)	Action Level	MCLG	90th Percentile	# of sites exceeding the Action Level	Range of Detection	Typical Sources of Contaminants	Violation
January 1 - June 30, 2023							
Copper (ppm)	1.300	1.3	0.050	0	ND-0.16	Corrosion of household plumbing systems, Erosion of natural deposits.	No
Lead (ppb)	15.000	0	ND	0	ND-6.4	Corrosion of household plumbing systems, Erosion of natural deposits.	No
July 1 - December 31, 2023							
Copper (ppm)	1.300	1.3	0.061	0	ND-0.20	Corrosion of household plumbing systems, Erosion of natural deposits.	No
Lead (ppb)	15.000	0	ND	0	ND-2.7	Corrosion of household plumbing systems, Erosion of natural deposits.	No

The EPA has revised the Lead and Copper Rule to require BWS to complete a water service line inventory for all service lines within BWS's distribution system and to test for lead and copper at select residential and commercial property sites. The inventory and water sampling results are available on the BWS website at https://www.boardofwatersupply.com/water-quality/lead-copper-rule. To learn more about the water service line that serves your home or business, insert your address into the search bar at https://lead.boardofwatersupply.com/. The website will produce a drawing showing the materials of your water service line. To find the water sampling results go to https://lead.boardofwatersupply.com/Reportsearch.

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	0	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.

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	2024	ppb	0.00	24.00	17.30	80	None
	Haloacetic Acids (HAA5)	2024	ppb	0.00	0.00	0.00	60	None

Residual Chlorine (2)

System Name	Sample Year	Unit	Lowest Monthly Average	Highest Monthly Average	Running Annual Average	MRDL	MRDLG
Honolulu-Windward-Pearl Harbor	2024	ppm	0.30	0.32	0.30	4	4

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.

No violations found for calendar year 2024

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