

The water quality monitoring results are presented below.

The water sources serving this address are:

Source Name	Origin of Water	Treatment	Region
a) Halawa Shaft	Groundwater	Chlorination	1
b) Kalihi Shaft	Groundwater	Chlorination	1
c) Puanani Wells	Groundwater	Chlorination	1
d) Wilder 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			
Barium	2014	ppm	0.013	0.008	0.013	2.000	2.000	a,b,c
Beta/Photon Emitters	2013	pCi/L	3.500	3.000	3.500	50.000	0.000	b,d
Chromium	2014	ppb	2.600	1.200	2.600	100.000	100.000	All Sources
Fluoride	2014	ppm	0.053	0.053	0.053	4.000	4.000	d
Nitrate	2014	ppm	0.600	0.320	0.600	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. MCLGs allow 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 Available
- N/A Not Applicable
- ND Not Detected
- \* EPA considers 50 pCi/L to be the level of concern for beta particles
- (1) Analysis by the State of Hawaii Department of Health
- (2) Analysis by the Honolulu Board Of Water Supply. Questions, call 808-748-5370.
- 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		
Boron	(2)	2014	ppm	0.074	0.051	0.074	6.000	a,d
Chlorate	(2)	2013	ppb	74.000	23.000	81.000	210.000	All Sources
Chloride	(2)	2014	ppm	160.000	71.000	160.000	250 **	All Sources
Chromium, Hexavalent	(2)	2013	ppb	2.650	1.300	2.700	13.000	All Sources
Dieldrin	(2)	2014	ppb	0.011	0.011	0.011	0.200	d
Sodium	(2)	2014	ppm	50.000	34.000	50.000	60.000	All Sources
Strontium	(2)	2013	ppb	220.000	48.000	220.000	4000.000	All Sources
Sulfate	(2)	2014	ppm	29.000	8.500	29.000	250 **	All Sources
Vanadium	(2)	2013	ppb	13.500	8.800	14.000	21.000	All Sources

\*\* Secondary Maximum Contaminant Levels (SMCLs) are standards established as guidelines to assist public water systems in managing the aesthetic quality (taste, odor and color) of drinking water. EPA does not enforce SMCLs.

Distribution System Monitoring

Disinfection By-Products (2)

System Name	Contaminant	Unit	Range		Highest LRAA	MCL (Allowed)	MCLG (Goal)
			Min	Max			
Honolulu-Windward-Pearl Harbor	Total Trihalomethanes	ppb	0.00	12.00	10.00	80	None

Microbial Contaminants (2)

System Name	Contaminant	Unit	Found	MCL (Allowed)	MCLG (Goal)	Violation	Source of Contaminant
Honolulu-Windward-Pearl Harbor	Total Coliform	% of positive samples	0.78 ***	5%	0	No	Naturally present in the environment

\*\*\*Highest monthly percentage of positive samples

Residual Chlorine

System Name	Sample Year	Unit	Lowest Monthly Average	Highest Monthly Average	Running Annual Average	MRDL	MRDLG
Honolulu-Windward-Pearl Harbor	2014	ppm	0.21	0.24	0.20	4	4

Lead/Copper Testing (2)

Contaminant	Sample Year	Unit	90th Percentile Reading	Action Level	# Samples Above Action Level
Copper	2014	ppm	0.040	1.300	0
Lead	2014	ppb	<0.500	15.000	0

No violations found for calendar year 2014

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# WATER QUALITY REPORT

Federal and state law requires testing your drinking water for many different types of contaminants.

This report contains test results showing your water is **safe to drink** and meets all federal and state requirements.

If a contaminant is **not listed**, then it was **not detected**.

141536 AV 0.266 35767 JTC H14548-UT:1GRP\_2-141536  
HOLIDAY PKWY ASSN T:452  
C/O ASSOCIA HAWAII-CMI353-10660  
737 BISHOP ST STE 3100  
HONOLULU HI 96813-3285

Board of Water Supply  
630 South Beretania Street  
Honolulu, Hawaii 96843



Board of Water Supply  
City and County of Honolulu  
630 South Beretania Street  
Honolulu, Hawaii 96843  
www.boardofwatersupply.com

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Federal and state law requires testing your drinking water for many different types of contaminants. Below is a complete list.

## Regulated Primary Contaminants

Acrylamide	Cyanide	Ethylene dibromide (EDB)	Radium 226 + 228
Alachlor	2,4-D	Fecal coliform	Selenium
Alpha emitters	Dalapon	Fluoride	Simazine
Antimony	Di(2-ethylhexyl)adipate	Glyphosate	Styrene
Arsenic	Dibromochloropropane (DBCP)	Haloacetic Acids (HAA5)	Tetrachloroethylene (PCE)
Asbestos (>10 micron)	o-Dichlorobenzene	Heptachlor	Thallium
Atrazine	p-Dichlorobenzene	Heptachlor epoxide	Toluene
Barium	1,2-Dichloroethane	Hexachlorobenzene	Total coliform
Benzene	1,1-Dichloroethylene	Hexachlorocyclopentadiene	Total Trihalomethanes (TTHMs)
Beryllium	cis-1,2-Dichloroethylene	Lead	Toxaphene
Beta/photon emitters	trans-1,2-Dichloroethylene	Lindane	2,4,5-TP
Bromate	Dichloromethane	Mercury (total)	1,2,4-Trichlorobenzene
Cadmium	1,2-Dichloropropane (DCP)	Methoxychlor	1,1,1-Trichloroethane
Carbofuran	Dinoseb	Nitrate (as N)	1,1,2-Trichloroethane
Carbon tetrachloride	Dioxin	Nitrite (as N)	Trichloroethylene (TCE)
Chlordane	Di(2-ethylhexyl)phthalate	Oxamyl (Vydate)	1,2,3-Trichloropropane (TCP)
Chlorite	Diquat	PCBs	Turbidity
Chlorobenzene	Endothall	Pentachlorophenol	Uranium
Chromium (total)	Endrin	Picloram	Vinyl chloride
Copper	Epichlorohydrin	Polyaromatic hydrocarbons [benzo(a) pyrene]	Xylenes (total)

## Unregulated Contaminants

Boron	Chloride	Dieldrin	Sodium
Bromoform	Chlorodifluoromethane	Manganese	Strontium
Chlorate	Chromium, hexavalent	Methyl t-Butyl Ether (MTBE)	Vanadium

**Measurements** In this report, one part per million (ppm) is the same as one milligram of the substance in one liter of water (mg/L). To put this into perspective, one part per million is approximately one second in 11.5 days. One part per billion (ppb) is even smaller! – about 1 second in 31.7 years.

