

Attachment B – Board of Water Supply Source Water Quality Mineral Analysis (Sections F.7 and F.8)

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

21762

The water quality monitoring results are presented below.

The water sources serving this address are:

Source Name	Origin of Water	Treatment	Region
a) Hauula Well	Groundwater	Chlorination	2
b) Maakua Well	Groundwater	Chlorination	2

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	2017	ppm	0.004	0.004	0.004	2.000	2.000	b
Chromium	2017	ppb	2.000	1.500	2.000	100.000	100.000	All Sources
Nitrate	2017	ppm	0.180	0.160	0.180	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
nrem/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")
N/A	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		
Chlorate	(2)	2017	ppb	40.000	18.000	40.000	210.000	All Sources
Chloride	(2)	2017	ppm	34.000	29.000	34.000	250 **	All Sources
Chromium, Hexavalent	(2)	2017	ppb	2.300	1.500	2.300	13.000	All Sources
Sodium	(2)	2017	ppm	22.000	22.000	22.000	60.000	b
Strontium	(2)	2017	ppm	66.000	54.000	66.000	4000.000	All Sources
Sulfate	(2)	2017	ppm	4.600	4.100	4.600	250 **	All Sources
Vanadium	(2)	2017	ppb	11.000	9.400	11.000	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	14.00	4.90	80	None
	Haloacetic Acids	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	Source of contaminant
Honolulu-Windward-Pearl Harbor	E. Coli	0	No	0	Naturally present in the environment

Residual Chlorine

System Name	Sample Year	Unit	Lowest Monthly Average	Highest Monthly Average	Running Annual Average	MRDL	MRDLG
Honolulu-Windward-Pearl Harbor	2017	ppm	0.28	0.32	0.30	4	4

Lead/Copper Testing (2)

Contaminant	Sample Year	Unit	90th Percentile Reading	Action Level	# Samples Above Action Level
Copper	2015	ppm	0.058	1.300	0
Lead	2015	ppb	<1.000	15.000	0

No violations found for calendar year 2017

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