WATER SAMPLING RESULT FACT SHEET

XXXX Calamondin Way Results

A team from DPW Environmental Compliance performed sampling at XXXX Calamondin Way on 7Feb22. Based on these results, this water meets all regulatory standards for safe drinking water.

What was tested?

VOC or volatile organic compounds are a class of chemicals and can be found in discharge from factories, leaching from gas storage tanks, and landfills.

TPH or total petroleum hydrocarbons are a large family of chemical compounds that come from crude oil. TPH-d is testing the diesel components and TPH-g is testing the gasoline components in a sample.

TOC or total organic carbons are the total amount of organic molecules in water and can be used to indicate some level of contaminants. All water contains some carbon materials.

The results from XXXX Calamondin Way indicated that your sample was below the lowest level the laboratory tests could quantify and are in compliance with VOC and TPH water standards. TOC is used for water quality screening and does not have a regulatory limit. The table below shows your results along with the safe drinking water regulatory limit created by the EPA and Hawaii Department of Health for each of the analytes sampled.

Volatile Organic Compounds (VOC)

Analyte	Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes, total	Exceeded?
Regulatory Limit	5 ppb	700 ppb	17 ppb	1000 ppb	10000 ppb	
Bathroom Sink 1	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Bathroom Sink 2	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Bathroom Sink 3	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Tub 1	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Tub 2	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Downstairs Bathroom	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No
Utility Sink	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<0.5 ppb*	<1.5 ppb*	No

ppb= parts per billion
*No contaminants detected above the effective sensitivity of the tests

Total Petroleum Hydrocarbons (TPH)

Analyte	Total Petroleum Hydrocarbons-Diesel (TPH-d)	Total Petroleum Hydrocarbons-Gasoline (TPH-g)	Exceeded?
Regulatory Limit	400 ppb	300 ppb	
Bathroom Sink 1	<100 ppb*	<50 ppb*	No
Bathroom Sink 2	<100 ppb*	<50 ppb*	No
Bathroom Sink 3	<100 ppb*	<50 ppb*	No
Tub 1	<100 ppb*	<50 ppb*	No
Tub 2	<100 ppb*	<50 ppb*	No
Downstairs Bathroom	<100 ppb*	<50 ppb*	No
Utility Sink	<100 ppb*	<50 ppb*	No

ppb= parts per billion
*No contaminants detected above the effective sensitivity of the tests

Total Organic Carbons (TOC)

Analyte	TOC	Exceeded?
Regulatory Limit	N/A	
Bathroom Sink 1	<0.25 ppm*	N/A
Bathroom Sink 2	<0.25 ppm*	N/A
Bathroom Sink 3	<0.25 ppm*	N/A
Tub 1	<0.25 ppm*	N/A
Tub 2	<0.25 ppm*	N/A
Downstairs Bathroom	<0.25 ppm*	N/A
Utility Sink	<0.25 ppm*	N/A

ppm= parts per million
*No contaminants detected above the effective sensitivity of the tests

Where does Aliamanu Military Reservation's water come from?

Drinking water for Aliamanu Military Reservation (AMR) is supplied by the Joint Base Pearl Harbor Hickam Water System. The drinking water is currently obtained from the Waiawa Shaft.

The ground water filters naturally as it travels from the surface to an aquifer located below the ground. Once the water is pumped back up from the aquifer, it is chlorinated and fluoridated. Both additives are required under Army standards. Chlorine is used as a disinfectant and fluoride is used to promote strong teeth in children. The water is then piped into the distribution system.

What else is sampled in my water system?

Many different water samples are collected and analyzed for various contaminants throughout the year from Aliamanu Military Reservation. The number and frequency of sampling events depends upon federal and state requirements. More information on our drinking water monitoring and results can be found in the annual Consumer Confidence Report.

https://home.army.mil/hawaii/index.php/water-quality-report-AMR