



WATER SAMPLING RESULT FACT SHEET

XXXX Kamani Lane Results

The U.S. Army Garrison Hawaii Safe Drinking Water team performed sampling at XXXX Kamani Lane on 01 March 2023. Based on these results, this water meets all regulatory standards for safe drinking water.

The results from XXXX Kamani Lane indicate that your samples are in compliance with water standards. Your sample was below the lowest detectable limit the laboratory tests could quantify and are in compliance with TPH, SOC, VOC, metals, and disinfection byproducts water standards. The tables below show your results along with the standards required by the EPA and Hawaii Department of Health for the analytes sampled.

What was tested?

TPH or total petroleum hydrocarbons are a large family of chemical compounds that come from crude oil.

Total Petroleum Hydrocarbons (TPH)

Analysis performed	Your Result	Incident Specific Parameter	Exceeded?
Petroleum Hydrocarbons, Diesel fraction	ND	-	
Petroleum Hydrocarbons, Gasoline fraction	ND	-	
Petroleum Hydrocarbons, Oil fraction	ND	-	
Petroleum Hydrocarbons, Total of Above	ND	266 ppb	No

ppb = parts per billion

ND = Not Detected. No contaminants detected above the effective sensitivity of the tests

Synthetic Organic Compounds (SOCs) are organic (carbon-based) chemicals. They are used as pesticides, defoliants, fuel additives and as ingredients for other organic compounds.

Analysis performed	Your Result	Regulatory Limit	Exceeded?
1-Methylnaphthalene	ND	10 ppb	No
2-Methylnaphthalene	ND	10 ppb	No
Benzo(a)pyrene	ND	0.2 ppb	No
Bis(2-ethylhexyl)phthalate	ND	6 ppb	No
Naphthalene	ND	17 ppb	No

ppb = parts per billion

ND = Not Detected. No contaminants detected above the effective sensitivity of the tests

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

Volatile Organic Compounds (VOC)

Analysis performed	Your Result	Regulatory Limit	Exceeded?
1,1,1-Trichloroethane	ND	-	-
1,1,2-Trichloroethane	ND	5 ppb	No
1,1-Dichloroethene	ND	7 ppb	No
1,2,4-Trichlorobenzene	ND	70 ppb	No
1,2-Dichlorobenzene	ND	600 ppb	No
1,2-Dichloroethane	ND	5 ppb	No
1,2-Dichloroethene	ND	70 ppb	No
1,2-Dichloropropane	ND	5 ppb	No
1,4-Dichlorobenzene	ND	75 ppb	No
Benzene	ND	5 ppb	No
Carbon Tetrachloride 5 MCL ND	ND	5 ppb	No
Chlorobenzene 100 MCL ND	ND	100 ppb	No
cis-1,2-Dichloroethene 70 MCL ND	ND	70 ppb	No
Ethylbenzene	ND	700 ppb	No
m,p-Xylene	ND	-	-
Methylene chloride	ND	5 ppb	No
o-Xylene	ND	-	-
Styrene	ND	100 ppb	No
Tetrachloroethene (PCE)	ND	5 ppb	No
Toluene	ND	1000 ppb	No
trans-1,2-Dichloroethene	ND	100 ppb	No
Trichloroethene (TCE)	ND	5 ppb	No
Vinyl chloride	ND	2 ppb	No
Xylenes, Total	ND	10000 ppb	No

ppb = parts per billion

ND = Not Detected. No contaminants detected above the effective sensitivity of the tests

Metals are a class of chemicals that are naturally occurring and may come from erosion of natural deposits. **Metals** can also come from pipes or house fixtures.

Metals

Analysis performed	Your Result	Regulatory Limit	Exceeded?
Antimony	ND	6 ppb	No
Arsenic	ND	10 ppb	No
Barium	1.5 ppb	2000 ppb	No
Beryllium	ND	4 ppb	No
Cadmium	ND	5 ppb	No
Chromium	2.0 ppb	100 ppb	No
Copper	6.6 ppb	1300 ppb	No
Lead	0.15 ppb	15 ppb	No
Mercury	ND	2 ppb	No
Selenium	ND	50 ppb	No
Thallium	ND	2 ppb	No

ppb = parts per billion

ND = Not Detected. No contaminants detected above the effective sensitivity of the tests

Disinfection byproducts are formed when disinfectants like chlorine interact with natural organic materials in water.

Disinfection Byproducts

Analysis performed	Your Result	Regulatory Limit	Exceeded?
Bromoacetic Acid	ND	-	-
Chloroacetic Acid	ND	-	-
Dibromoacetic Acid	ND	-	-
Dichloroacetic acid	ND	-	-
Trichloroacetic acid	ND	-	-
Total Haloacetic acids	ND	60 ppb	No
Bromodichloromethane	ND	-	-
Bromoform	ND	-	-
Chloroform	ND	-	-
Dibromochloromethane	ND	-	-
Total Trihalomethanes	ND	80 ppb	No

ppb = parts per billion

ND = Not Detected. No contaminants detected above the effective sensitivity of the tests

Where does Aliamanu Military Reservation / Red Hill water come from?

Drinking water for Aliamanu Military Reservation (AMR) and Red Hill are 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 filtered using granulated activated carbon (GAC). The water is chlorinated again 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 / Red Hill. 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>