

Summary of Chemistry Results
Zone SH
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb), with the exception of Field and Bacterial Test results
Parts per Million (ppm)
Parts per Thousand (ppth)
§ - Exceeds Screening Level
-- = No Information Available
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MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 - August 2024 from Waiawa Shaft

		Location ID: SHFTWAIA-CP-PR		SHFTWAIA-CP-PT			
		Location Type: Well		Well			
		Address: Waiawa Shaft Pre-Chlorination		Waiawa Shaft Post-Chlorination			
		Field Sample ID: SHAFT-HW-0017916-24183-N	SHAFT-HW-0017916-24214-N	SHAFT-HW-0016021-24183-N	SHAFT-HW-0016021-24214-N		
		Sample Date: 2024-07-11	2024-08-05	2024-07-11	2024-08-05		
		Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	59.0	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	0.00	0.00	560	750
Field Test (pH)	pH	--	--	7.02	7.30	7.15	7.31
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.240	0.220
Field Test (degrees Celcius)	Temperature	--	--	22.5	26.4	23.3	26.9
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.410	0.00	0.810
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	54400	55000	54500	56600
	Bromate	--	--	ND	ND	ND	--
	Bromide	--	--	130	ND	100	--
	Chlorate	--	--	ND	ND	70.0	--
	Chloride	--	--	37000	38200	37700	--
	Chlorite	--	--	ND	ND	ND	--
	Fluoride	--	--	ND	ND	490	--
	Phosphorus, Total Orthophosphate (as P)	--	--	160	ND	160	--
	Sulfate	--	--	5900	6200	5900	--
	Total Organic Carbon	--	--	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND
Metals (ppb)	Calcium	--	--	9100	9100	9100	8700
	Iron	--	--	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	SHFTWAIA-CP-PR		SHFTWAIA-CP-PT	
				Well	Well	Well	Well
				Waiawa Shaft Pre-Chlorination	Waiawa Shaft Post-Chlorination		
				SHAFT-HW-0017916-24183-N	SHAFT-HW-0017916-24214-N	SHAFT-HW-0016021-24183-N	SHAFT-HW-0016021-24214-N
				2024-07-11	2024-08-05	2024-07-11	2024-08-05
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Metals (ppb)	Magnesium	--	--	8700	8600	8700	8500
	Manganese	--	--	ND	ND	ND	ND
	Potassium	--	--	1500	1500	1500	1400
	Silica	--	--	60100	58800	60300	58400
	Sodium	--	--	23100	22400	24200	23900
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	ND	--	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	--	--	--
	Benzene	5	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	--	--	ND	ND
	Bromoform	--	--	--	--	ND	ND
	Chloroform	--	--	--	--	ND	ND

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		Well		Well		
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		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Trihalomethanes (ppb)	Dibromochloromethane	--	--	--	--	ND
	Total Trihalomethanes	80	MCL	--	--	ND