

Summary of Chemistry Results

Zone D4

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
N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 from Hydrants in Zone D4

		Location ID:	D4-HYD1941	D4-HYD2390	
		Location Type:	Hydrant	Hydrant	
		Address:	FH 1941	FH 2390	
		Field Sample ID:	D4-DL-0017801-24183 -N	D4-DL-0017802-24183 -N	
		Sample Date:	2024-07-26	2024-07-26	
		Sample Type:	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent
	E. coli	--	--	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	670	650
Field Test (pH)	pH	--	--	7.31	7.30
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.240
Field Test (degrees Celcius)	Temperature	--	--	27.3	27.3
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.630	0.840
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56100	60100
	Total Organic Carbon	--	--	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND
	2-Methylnaphthalene	--	--	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	0.0210
	Naphthalene	--	--	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND
	Benzene	5	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND

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		Sample Type:	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	o-Xylene	--	--	ND	ND
	Toluene	1000	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	0.550
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	0.530
	Total Trihalomethanes	80	MCL	ND	1.08

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Drinking Water Samples Collected in July 2024 from Other Buildings in Zone D4

		Location ID:		D4-BLDG3365H	
		Location Type:		Medical Building	
		Address:		Building 3365H, CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd	
		Field Sample ID:		D4-TW-0015687-24183-N	D4-TW-0015687-24183-N-H
		Sample Date:		2024-07-05	2024-07-05
		Sample Type:		N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	--
	E. coli	--	--	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	150	1860
Field Test (pH)	pH	--	--	7.24	7.26
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	0.270
Field Test (degrees Celcius)	Temperature	--	--	27.5	35.7
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.130	0.160
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	52300	--
	Total Organic Carbon	--	--	ND	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	--
Metals (ppb)	Copper	1300	MCL	93.5	--
	Lead	15	MCL	0.650	--
	Mercury	2	MCL	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--
	2-Methylnaphthalene	--	--	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	--

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				Field Sample ID:	D4-TW-0015687-24183-N	D4-TW-0015687-24183-N-H
				Sample Date:	2024-07-05	2024-07-05
				Sample Type:	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Synthetic Organic Compounds (ppb)	Naphthalene	--	--	ND	--	
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	
	1,3,5-Trimethylbenzene	--	--	ND	--	
	Benzene	5	MCL	ND	--	
	Ethylbenzene	700	MCL	ND	--	
	m,p-Xylene	--	--	ND	--	
	o-Xylene	--	--	ND	--	
	Toluene	1000	MCL	ND	--	
	Xylenes, Total	10000	MCL	ND	--	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	
	Bromoform	--	--	0.350	--	
	Chloroform	--	--	ND	--	
	Dibromochloromethane	--	--	ND	--	
	Total Trihalomethanes	80	MCL	0.350	--	