

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
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MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone D4

		Location ID: D4-HYD1941				Location ID: D4-HYD2390				
		Location Type: Hydrant				Location Type: Hydrant				
		Address: FH 1941				Address: FH 2390				
		Field Sample ID: D4-DL-0017801-24092	D4-DL-0017801-24122	D4-DL-0017801-24122	D4-DL-0017801-24153	Field Sample ID: D4-DL-0017802-24092	D4-DL-0017802-24122	D4-DL-0017802-24153		
		-N	-N	-3-N	-N	-N	-N	-N	-N	
		Sample Date: 2024-04-30	2024-05-07	2024-05-07	2024-06-27	2024-04-30	2024-05-07	2024-06-27		
		Sample Type: N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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	480	550	480	490	550	370	
Field Test (pH)	pH	--	--	7.32	7.39	7.32	7.35	7.58	7.37	
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.250	0.260	0.240	0.250	0.260	
Field Test (degrees Celcius)	Temperature	--	--	25.7	25.5	26.8	27.4	26.8	28.5	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.200	0.500	0.830	0.440	0.650	1.12	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55000	53200	53400	52400	48800	53800	53900
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	ND	--	--	ND	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	ND	--	--	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND

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		Hydrant				Hydrant			
		FH 1941				FH 2390			
		D4-DL-0017801-24092	D4-DL-0017801-24122	D4-DL-0017801-24122	D4-DL-0017801-24153	D4-DL-0017802-24092	D4-DL-0017802-24122	D4-DL-0017802-24153	
		-N	-N	-3-N	-N	-N	-N	-N	
		2024-04-30	2024-05-07	2024-05-07	2024-06-27	2024-04-30	2024-05-07	2024-06-27	
		N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	ND	0.510	0.570	
	Chloroform	--	--	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	0.410	0.540	
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.920	1.11	

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Drinking Water Samples Collected in April 2024 - June 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-0015687-24092-N	D4-TW-0015687-24122-N	D4-TW-0015687-24153-N	D4-TW-0015687-24153-N-H
		Sample Date:		2024-04-15	2024-05-06	2024-06-06	2024-06-06
		Sample Type:		N (Normal)	N (Normal)	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	620	390	130	1050
Field Test (pH)	pH	--	--	7.20	7.34	7.33	7.35
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.250	0.350	0.360
Field Test (degrees Celcius)	Temperature	--	--	24.7	25.3	26.7	35.1
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.110	0.290	0.460	0.250
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	53000	51000	52900	--
	Total Organic Carbon	--	--	ND	ND	ND	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	--
Metals (ppb)	Copper	1300	MCL	250	105	232	--
	Lead	15	MCL	0.570	0.540	0.600	--
	Mercury	2	MCL	ND	ND	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	--
	2-Methylnaphthalene	--	--	ND	ND	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	0.0330	ND	--

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				Location ID: D4-BLDG3365H Location Type: Medical Building Address: Building 3365H, CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd				
				Field Sample ID:	D4-TW-0015687-24092-N	D4-TW-0015687-24122-N	D4-TW-0015687-24153-N	D4-TW-0015687-24153-N-H
				Sample Date:	2024-04-15	2024-05-06	2024-06-06	2024-06-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Synthetic Organic Compounds (ppb)	Naphthalene	--	--	ND	ND	ND	--	
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	--	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	--	
	Benzene	5	MCL	ND	ND	ND	--	
	Ethylbenzene	700	MCL	ND	ND	ND	--	
	m,p-Xylene	--	--	ND	ND	ND	--	
	o-Xylene	--	--	ND	ND	ND	--	
	Toluene	1000	MCL	ND	ND	ND	--	
	Xylenes, Total	10000	MCL	ND	ND	ND	--	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	--	
	Bromoform	--	--	0.520	ND	0.660	--	
	Chloroform	--	--	ND	ND	ND	--	
	Dibromochloromethane	--	--	ND	ND	0.310	--	
	Total Trihalomethanes	80	MCL	0.520	ND	0.970	--	