

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)
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§ - Exceeds Screening Level
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Drinking Water Samples Collected in January 2025 - March 2025 from Hydrants in Zone D4

		D4-HYD1941				D4-HYD2390				
		Hydrant				Hydrant				
		FH 1941				FH 2390				
		D4-DL-0017801-25001	D4-DL-0017801-25001	D4-DL-0017801-25032	D4-DL-0017801-25060	D4-DL-0017802-25001	D4-DL-0017802-25032	D4-DL-0017802-25060		
		-N	-3-N	-N	-N	-N	-N	-N		
		2025-01-14	2025-01-14	2025-02-26	2025-03-19	2025-01-14	2025-02-25	2025-03-19		
		N (Normal)	FD (Field Duplicate)	N (Normal)						
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Field Test (ppb)	Free Chlorine	4000	MCL	630	--	590	560	570	700	560
Field Test (pH)	pH	--	--	7.10	--	7.29	7.19	7.06	7.18	7.39
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	--	0.260	0.260	0.250	0.260	0.260
Field Test (degrees Celcius)	Temperature	--	--	23.8	--	26.2	27.0	28.3	27.4	27.5
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.280	--	0.850	0.660	2.24	1.17	0.810
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	53600	51700	55000	55300	54700	54900	56200
	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
	Acenaphthylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Anthracene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	0.0280	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	ND
	Chrysene	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	--	--	ND	ND	ND	ND	ND	ND	ND
	Fluorene	--	--	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND	ND	ND	ND	ND

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		-N	-3-N	-N	-N	-N	-N	-N	
		2025-01-14	2025-01-14	2025-02-26	2025-03-19	2025-01-14	2025-02-25	2025-03-19	
		N (Normal)	FD (Field Duplicate)	N (Normal)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Synthetic Organic Compounds (ppb)	Naphthalene	--	--	ND	ND	ND	ND	ND	ND
	Phenanthrene	--	--	ND	ND	ND	ND	ND	ND
	Pyrene	--	--	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	ND	ND	--	--	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	ND	--	--	ND	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Cumene	--	--	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	n-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND
	n-Propylbenzene	--	--	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	0.290	0.430	0.540
	Bromoform	--	--	ND	ND	0.350	0.420	0.960	1.30
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.270	0.260	0.710	1.20
	Total Trihalomethanes	80	MCL	ND	ND	0.620	0.680	1.96	2.93

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Drinking Water Samples Collected in January 2025 - March 2025 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-0015687-25001-N	D4-TW-0015687-25032-N	D4-TW-0015687-25060-N
		Sample Date:		2025-01-14	2025-02-25	2025-03-19
		Sample Type:		N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Field Test (ppb)	Free Chlorine	4000	MCL	20.0	90.0	70.0
Field Test (pH)	pH	--	--	7.12	7.09	7.27
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.250	0.240
Field Test (degrees Celcius)	Temperature	--	--	25.2	24.1	26.3
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.0540	1.77	0.770
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56000	53900	54200
	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	277	167	265
	Lead	15	MCL	0.900	0.650	0.590
	Mercury	2	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND
	Acenaphthylene	--	--	ND	ND	ND
	Anthracene	--	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND

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		Sample Type:	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Synthetic Organic Compounds (ppb)	Benzo(b)fluoranthene	--	--	ND	ND	ND
	Benzo(g,h,i)perylene	--	--	ND	ND	ND
	Benzo(k)fluoranthene	--	--	ND	ND	ND
	Chrysene	--	--	ND	ND	ND
	Dibenz(a,h)anthracene	--	--	ND	ND	ND
	Fluorene	--	--	ND	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND
	Phenanthrene	--	--	ND	ND	ND
	Pyrene	--	--	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
	Cumene	--	--	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	n-Butylbenzene	--	--	ND	ND	ND
	n-Propylbenzene	--	--	ND	ND	ND
o-Xylene	--	--	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Volatile Organic Compounds (ppb)	sec-Butylbenzene	--	--	ND	ND	ND	
	tert-Butylbenzene	--	--	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	
	Bromoform	--	--	0.590	0.560	0.650	
	Chloroform	--	--	ND	ND	ND	
	Dibromochloromethane	--	--	ND	0.270	0.320	
	Total Trihalomethanes	80	MCL	0.590	0.830	0.970	