

Summary of Chemistry Results
Zone C3
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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Parts per Million (ppm)
Parts per Thousand (ppth)
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Drinking Water Samples Collected in October 2024 - December 2024 from Hydrants in Zone C3

		C3-HYD1026				C3-HYD2298				
		Hydrant				Hydrant				
		FH ID: 230				FH ID: 177				
		C3-DL-0000538-24275	C3-DL-0000538-24275	C3-DL-0000538-24306	C3-DL-0000538-24336	C3-DL-0017798-24275	C3-DL-0017798-24306	C3-DL-0017798-24336		
		-N	-3-N	-N	-N	-N	-N	-N		
		2024-10-09	2024-10-09	2024-11-13	2024-12-20	2024-10-29	2024-11-13	2024-12-20		
		N (Normal)	FD (Field Duplicate)	N (Normal)						
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent	--	--	Absent	--	--
	E. coli	--	--	Absent	Absent	--	--	Absent	--	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	7.00	8.00	--	--	28.0	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	540	--	330	690	860	30.0	420
Field Test (pH)	pH	--	--	7.21	--	7.44	7.30	7.26	7.47	7.33
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	--	0.250	0.250	0.280	0.260	0.260
Field Test (degrees Celcius)	Temperature	--	--	25.8	--	25.4	25.0	28.4	26.0	26.0
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.480	--	0.100	0.00270	1.38	0.180	0.0270
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	58700	56400	56600	68000	57900	57900	68000
	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	ND	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

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		N (Normal)	FD (Field Duplicate)	N (Normal)						
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Synthetic Organic Compounds (ppb)	Dibenz(a,h)anthracene	--	--	ND	ND	ND	ND	ND	ND	
	Fluorene	--	--	ND	ND	ND	ND	ND	ND	
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND	ND	ND	ND	
	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	ND	0.300	0.490	0.490
	Bromoform	--	--	ND	ND	ND	ND	1.00	3.30	3.00

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				Location ID: C3-HYD1026				Location ID: C3-HYD2298		
				Location Type: Hydrant				Location Type: Hydrant		
				Address: FH ID: 230				Address: FH ID: 177		
				Field Sample ID: C3-DL-0000538-24275	C3-DL-0000538-24275	C3-DL-0000538-24306	C3-DL-0000538-24336	C3-DL-0017798-24275	C3-DL-0017798-24306	C3-DL-0017798-24336
				-N	-3-N	-N	-N	-N	-N	-N
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				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Trihalomethanes (ppb)	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.900	1.50	1.60
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	2.20	5.29	5.09