

Summary of Chemistry Results
Zone C2
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Notes:
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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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Drinking Water Samples Collected in July 2024 from Hydrants in Zone C2

		Location ID:	C2-HYD1230		C2-HYD2089	C2-HYD421	C2-HYD424	C2-HYD650	C2-HYD656	C2-HYD660	
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	C2-FH209B		C2-FH204	C2-FH246	FH ID: 315	Hydrant 268	Hydrant 301	Hydrant 303	
		Field Sample ID:	C2-DL-0017792-24183 -N	C2-DL-0017792-24183 -3-N	C2-DL-0017795-24183 -N	C2-DL-0017796-24183 -N	C2-DL-0000534-24183 -N	C2-DL-0017794-24183 -N	C2-DL-0017793-24183 -N	C2-DL-0017797-24183 -N	
		Sample Date:	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-26	2024-07-26	2024-07-26	2024-07-26	
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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	Absent	Absent	Absent	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND	ND	ND	2.00	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	360	--	50.0	370	540	560	40.0	500
Field Test (pH)	pH	--	--	7.20	--	8.46	7.27	7.35	7.65	7.65	7.41
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	--	0.260	0.250	0.240	0.240	0.260	0.250
Field Test (degrees Celcius)	Temperature	--	--	26.1	--	27.2	25.4	23.6	26.1	25.8	25.6
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.460	--	0.00	0.500	0.220	0.420	0.330	0.420
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	58800	59100	71000	58400	58900	58800	61500	58500
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0220
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Volatile Organic Compounds (ppb)	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.360	ND	ND	ND	ND	ND
	Bromoform	--	--	1.60	1.20	6.80	0.450	ND	0.380	0.820	0.400
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.270	ND	1.00	0.270	0.290	0.330	0.450	0.330
	Total Trihalomethanes	80	MCL	1.87	1.20	8.16	0.720	0.290	0.710	1.27	0.730

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Drinking Water Samples Collected in July 2024 from Other Buildings in Zone C2

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Bacterial Test (in 100 mL)	Coliform	--	--	Absent
	E. coli	--	--	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND
Field Test (ppb)	Free Chlorine	4000	MCL	500
Field Test (pH)	pH	--	--	7.13
Field Test (ms/cm)	Specific Conductivity	--	--	0.260
Field Test (degrees Celcius)	Temperature	--	--	25.8
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.220
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	52100
	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	63.5
	Lead	15	MCL	ND
	Mercury	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND
	2-Methylnaphthalene	--	--	ND
	Benzo(a)pyrene	0.2	MCL	ND

Location ID:	C2-BLDG1750
Location Type:	Medical Building
Address:	Building 1750,SHIPYARD MEDICAL CLINIC- PEARL HARBOR, 490 Central Ave
Field Sample ID:	C2-TW-0014833- 24183-N
Sample Date:	2024-07-01
Sample Type:	N (Normal)

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		Location Type:	Medical Building
		Address:	Building 1750,SHIPYARD MEDICAL CLINIC- PEARL HARBOR, 490 Central Ave
		Field Sample ID:	C2-TW-0014833- 24183-N
		Sample Date:	2024-07-01
		Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level
Synthetic Organic Compounds (ppb)	Naphthalene	--	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--
	1,3,5-Trimethylbenzene	--	--
	Benzene	5	MCL
	Ethylbenzene	700	MCL
	m,p-Xylene	--	--
	o-Xylene	--	--
	Toluene	1000	MCL
	Xylenes, Total	10000	MCL
Trihalomethanes (ppb)	Bromodichloromethane	--	--
	Bromoform	--	--
	Chloroform	--	--
	Dibromochloromethane	--	--
	Total Trihalomethanes	80	MCL
			ND