

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

Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone C3

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)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C3-HYD1026			Location ID: C3-HYD2298		
				Location Type:	Address:	Field Sample ID:	Location Type:	Address:	Field Sample ID:
				Hydrant	FH ID: 230	C3-DL-0000538-22347-N	Hydrant	FH ID: 177	C3-DL-0017798-22347-3-N
				2023-04-20	N (Normal)		2023-03-23	FD (Field Duplicate)	
							2023-03-23	N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	210	100	100			
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND			
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.1	ND	ND			
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND			
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND			
	Petroleum Hydrocarbons, Total	266	ISP	61.1	ND	ND			
Metals (ppb)	Antimony	6	MCL	ND	ND	ND			
	Arsenic	10	MCL	0.570	ND	ND			
	Barium	2000	MCL	2.00	3.60	3.60			
	Beryllium	4	MCL	ND	ND	ND			
	Cadmium	5	MCL	ND	ND	ND			
	Chromium	100	MCL	ND	1.70	1.70			
	Mercury	2	MCL	ND	ND	ND			
	Selenium	50	MCL	ND	ND	ND			
	Thallium	2	MCL	ND	ND	ND			
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND			
	2-Methylnaphthalene	10	EAL	ND	ND	ND			
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND			
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND			
	Naphthalene	17	EAL	ND	ND	ND			
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND			
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND			
	1,1-Dichloroethene	7	MCL	ND	ND	ND			
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND			
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND			

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				Location Type: Hydrant	Address: FH ID: 230	Location Type: Hydrant	Address: FH ID: 177
				Field Sample ID: C3-DL-0000538-22347-N	Field Sample ID: C3-DL-0017798-22347-3-N	Field Sample ID: C3-DL-0017798-22347-N	
				Sample Date: 2023-04-20	Sample Date: 2023-03-23	Sample Date: 2023-03-23	
				Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	
	Vinyl chloride	2	MCL	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	

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				C3-HYD1026	Hydrant	Hydrant
				Address:	FH ID: 177	
				Field Sample ID:	C3-DL-0017798-22347	C3-DL-0017798-22347
				Sample Date:	2023-03-23	2023-03-23
				Sample Type:	FD (Field Duplicate)	N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.340	0.370
	Bromoform	--	--	0.940	2.60	2.70
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.450	1.20	1.30
	Total Trihalomethanes	80	MCL	1.39	4.14	4.37