

Summary of Chemistry Results

Zone G1

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 - September 2024 from Hydrants in Zone G1

		Location ID:		G1-HYD879			
		Location Type:		Hydrant			
		Address:		FH ID: 3			
		Field Sample ID:		G1-DL-0000616-24183-N	G1-DL-0000616-24183-3-N	G1-DL-0000616-24214-N	G1-DL-0000616-24245-N
		Sample Date:		2024-07-31	2024-07-31	2024-08-07	2024-09-03
		Sample Type:		N (Normal)	FD (Field Duplicate)	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
	E. coli	--	--	Absent	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	8.00	41.0
Field Test (ppb)	Free Chlorine	4000	MCL	200	--	140	30.0
Field Test (pH)	pH	--	--	7.16	--	7.37	7.53
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	--	0.240	0.300
Field Test (degrees Celcius)	Temperature	--	--	25.5	--	24.9	28.0
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.400	--	0.00860	1.83
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56100	56500	59700	55900
	Total Organic Carbon	--	--	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND
	Acenaphthylene	--	--	--	--	ND	ND
	Anthracene	--	--	--	--	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	--	--	ND	ND
	Benzo(g,h,i)perylene	--	--	--	--	ND	ND
	Benzo(k)fluoranthene	--	--	--	--	ND	ND
	Chrysene	--	--	--	--	ND	ND

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		Location Type: Hydrant					
		Address: FH ID: 3					
		Field Sample ID: G1-DL-0000616-24183-N	Field Sample ID: G1-DL-0000616-24183-3-N	Field Sample ID: G1-DL-0000616-24214-N	Field Sample ID: G1-DL-0000616-24245-N		
		Sample Date: 2024-07-31	Sample Date: 2024-07-31	Sample Date: 2024-08-07	Sample Date: 2024-09-03		
		Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Synthetic Organic Compounds (ppb)	Dibenz(a,h)anthracene	--	--	--	--	ND	ND
	Fluorene	--	--	--	--	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND
	Phenanthrene	--	--	--	--	ND	ND
	Pyrene	--	--	--	--	ND	ND
	Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND
1,2-Dibromoethane (EDB)		--	--	--	--	--	ND
1,3,5-Trimethylbenzene		--	--	ND	ND	ND	ND
2-(2-Methoxy ethoxy)ethanol		--	--	--	--	--	ND
Benzene		5	MCL	ND	ND	ND	ND
Cumene		--	--	--	--	ND	ND
Ethylbenzene		700	MCL	ND	ND	ND	ND
m,p-Xylene		--	--	ND	ND	ND	ND
n-Butylbenzene		--	--	--	--	ND	ND
n-Propylbenzene		--	--	--	--	ND	ND
o-Xylene		--	--	ND	ND	ND	ND
sec-Butylbenzene		--	--	--	--	ND	ND
tert-Butylbenzene		--	--	--	--	ND	ND
Toluene		1000	MCL	ND	ND	ND	ND
Xylenes, Total		10000	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	2.60	2.40	2.40	4.00

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Trihalomethanes (ppb)	Chloroform	--	--	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.960	0.810	0.680	0.880	
	Total Trihalomethanes	80	MCL	3.56	3.21	3.08	4.88	