

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 April 2024 - June 2024 from Hydrants in Zone G1

		Location ID:		G1-HYD879				
		Location Type:		Hydrant				
		Address:		FH ID: 3				
		Field Sample ID:		G1-DL-0000616-24092-N	G1-DL-0000616-24122-N	G1-DL-0000616-24122-3-N	G1-DL-0000616-24153-N	G1-DL-0000616-24153-3-N
		Sample Date:		2024-04-25	2024-05-30	2024-05-30	2024-06-25	2024-06-25
		Sample Type:		N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
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	10.0	12.0
Field Test (ppb)	Free Chlorine	4000	MCL	120	230	--	90.0	--
Field Test (pH)	pH	--	--	7.45	7.40	--	7.36	--
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	0.230	--	0.250	--
Field Test (degrees Celcius)	Temperature	--	--	24.9	24.6	--	25.0	--
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.110	0.300	--	0.270	--
	General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	50000	53300	54000	52100
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	--	ND	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	--	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND

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		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.280	0.280	0.280	0.270
	Bromoform	--	--	3.00	2.60	2.20	2.70	2.80
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.850	1.20	1.10	1.10	1.10
	Total Trihalomethanes	80	MCL	3.85	4.08	3.58	4.08	4.17