

Summary of Chemistry Results  
Shaft  
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
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Parts per Million (ppm)
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Drinking Water Samples Collected in October 2024 - December 2024 from Waiawa Shaft

		Location ID:	SHFTWAIA-CP-PR			SHFTWAIA-CP-PT		
		Location Type:	Well			Well		
		Address:	Waiawa Shaft Pre-Chlorination			Waiawa Shaft Post-Chlorination		
		Field Sample ID:	SHAFT-HW-0017916-24275-N	SHAFT-HW-0017916-24306-N	SHAFT-HW-0017916-24336-N	SHAFT-HW-0016021-24275-N	SHAFT-HW-0016021-24306-N	SHAFT-HW-0016021-24336-N
		Sample Date:	2024-10-21	2024-11-07	2024-12-06	2024-10-21	2024-11-07	2024-12-06
		Sample Type:	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 (MPN/mL)	Heterotrophic Plate Count	--	--	4.00	--	--	36.0	--
Field Test (ppb)	Free Chlorine	4000	MCL	--	--	--	660	450
Field Test (pH)	pH	--	--	7.08	7.34	7.21	7.31	7.32
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.290	0.250	0.260	0.250
Field Test (degrees Celcuis)	Temperature	--	--	23.0	26.0	25.8	27.4	25.9
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.00	4.28	0.00	0.0440
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56300	56800	56500	56500	56900
	Bromate	--	--	ND	ND	ND	ND	ND
	Bromide	--	--	120	130	130	77.0	ND
	Chlorate	--	--	ND	ND	ND	44.0	55.0
	Chloride	--	--	40900	40600	40800	41400	41300
	Chlorite	--	--	ND	ND	ND	ND	ND
	Fluoride	--	--	ND	ND	ND	300	580
	Phosphorus, Total Orthophosphate (as P)	--	--	160	220	170	170	220
	Sulfate	--	--	6200	6400	6200	6200	6400
	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
Metals (ppb)	Calcium	--	--	9300	9400	9400	9300	9400
	Iron	--	--	ND	24.0	29.0	ND	ND

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Metals (ppb)	Magnesium	--	--	8800	8800	8900	8800	8800	8900	
	Manganese	--	--	ND	ND	ND	ND	ND	ND	
	Potassium	--	--	1500	1500	1600	1500	1500	1600	
	Silica	--	--	59700	59000	58600	59700	58800	58600	
	Sodium	--	--	23400	23600	24000	24500	24700	24900	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	
	Acenaphthylene	--	--	ND	ND	ND	ND	ND	ND	
	Anthracene	--	--	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	
	Benzo(b)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	
	Benzo(g,h,i)perylene	--	--	ND	ND	ND	ND	ND	ND	
	Benzo(k)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	
	Chrysene	--	--	ND	ND	ND	ND	ND	ND	
	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	--	

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Volatile Organic Compounds (ppb)	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	ND	--	--	ND	--	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Cumene	--	--	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	n-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	n-Propylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	--	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	--	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	--	ND	ND	ND	ND	ND