

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

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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 January 2025 - March 2025 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-0017916-25001-N	SHAFT-HW-0017916-25032-N	SHAFT-HW-0017916-25060-N	SHAFT-HW-0016021-25001-N	SHAFT-HW-0016021-25032-N	SHAFT-HW-0016021-25060-N
				Sample Date:	2025-01-07	2025-02-14	2025-03-10	2025-01-07	2025-02-14	2025-03-10
				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							
Field Test (ppb)	Free Chlorine	4000	MCL	0.00	150	--	440	350	310	
Field Test (pH)	pH	--	--	7.34	7.31	7.18	7.40	7.32	7.27	
Field Test (ms/cm)	Specific Conductivity	--	--	0.280	0.260	0.260	0.250	0.230	0.260	
Field Test (degrees Celcuis)	Temperature	--	--	29.0	28.3	25.5	25.9	27.5	25.5	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.650	0.00	0.590	0.540	2.03	0.760	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	57400	53600	52000	59400	53800	50800	
	Bromate	--	--	ND	ND	ND	ND	ND	ND	
	Bromide	--	--	140	140	150	110	54.0	88.0	
	Chlorate	--	--	ND	ND	ND	76.0	90.0	96.0	
	Chloride	--	--	41400	40100	41000	40700	40800	41700	
	Chlorite	--	--	ND	ND	ND	ND	ND	ND	
	Fluoride	--	--	ND	ND	ND	150	180	300	
	Phosphorus, Total Orthophosphate (as P)	--	--	190	170	190	180	160	190	
	Sulfate	--	--	6200	6100	6400	6100	6100	6400	
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Calcium	--	--	9700	9700	9100	9300	9300	9100	
	Iron	--	--	270	ND	ND	ND	ND	ND	
	Magnesium	--	--	9000	8800	8300	8600	8500	8300	

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Metals (ppb)	Manganese	--	--	ND	ND	ND	ND	ND	ND	ND
	Potassium	--	--	1500	1500	1300	1500	1400	1300	
	Silica	--	--	60500	61800	58800	58400	61600	59700	
	Sodium	--	--	23900	23800	21600	23700	23900	22400	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	Acenaphthylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Anthracene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	--	--	ND	ND	ND	ND	ND	ND	ND
	Chrysene	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	--	--	ND	ND	ND	ND	ND	ND	ND
	Fluorene	--	--	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	--	--	ND	ND	ND	ND	ND	ND	ND
	Pyrene	--	--	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	ND	--	--	ND	--	--	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND

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Volatile Organic Compounds (ppb)	2-(2-Methoxy ethoxy)ethanol	--	--	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	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND