

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

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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
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MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 - September 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-0017916-24183-N	SHAFT-HW-0017916-24214-N	SHAFT-HW-0017916-24245-N	SHAFT-HW-0016021-24183-N	SHAFT-HW-0016021-24214-N	SHAFT-HW-0016021-24214-N-R1	SHAFT-HW-0016021-24245-N
				Sample Date:	2024-07-11	2024-08-05	2024-09-12	2024-07-11	2024-08-05	2024-08-21	2024-09-12
				Sample Type:	N (Normal)	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 (in 100 mL)	Coliform	--	--	--	--	Absent	--	--	--	Absent	
	E. coli	--	--	--	--	Absent	--	--	--	Absent	
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	59.0	19.0	ND	ND	--	47.0	
Field Test (ppb)	Free Chlorine	4000	MCL	0.00	0.00	10.0	560	750	880	700	
Field Test (pH)	pH	--	--	7.02	7.30	7.28	7.15	7.31	7.34	7.30	
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.260	0.240	0.220	0.280	0.260	
Field Test (degrees Celcuis)	Temperature	--	--	22.5	26.4	27.7	23.3	26.9	24.2	27.6	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.410	0.800	0.00	0.810	0.00	0.510	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	54400	55000	57700	54500	56600	--	57000	
	Bromate	--	--	ND	ND	ND	ND	--	ND	ND	
	Bromide	--	--	130	ND	120	100	--	100	94.0	
	Chlorate	--	--	ND	ND	ND	70.0	--	83.0	80.0	
	Chloride	--	--	37000	38200	40700	37700	--	38500	41200	
	Chlorite	--	--	ND	ND	ND	ND	--	ND	ND	
	Fluoride	--	--	ND	ND	ND	490	--	480	380	
	Phosphorus, Total Orthophosphate (as P)	--	--	160	ND	170	160	--	150	150	
	Sulfate	--	--	5900	6200	6300	5900	--	6000	6200	
	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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Metals (ppb)	Calcium	--	--	9100	9100	9000	9100	8700	--	9000	
	Iron	--	--	ND	ND	ND	ND	ND	--	ND	
	Magnesium	--	--	8700	8600	8500	8700	8500	--	8500	
	Manganese	--	--	ND	ND	ND	ND	ND	--	ND	
	Potassium	--	--	1500	1500	1500	1500	1400	--	1400	
	Silica	--	--	60100	58800	57300	60300	58400	--	56900	
	Sodium	--	--	23100	22400	22700	24200	23900	--	23800	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	--	ND	
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	--	ND	
	Acenaphthylene	--	--	--	--	ND	--	--	--	ND	
	Anthracene	--	--	--	--	ND	--	--	--	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	--	ND	
	Benzo(b)fluoranthene	--	--	--	--	ND	--	--	--	ND	
	Benzo(g,h,i)perylene	--	--	--	--	ND	--	--	--	ND	
	Benzo(k)fluoranthene	--	--	--	--	ND	--	--	--	ND	
	Chrysene	--	--	--	--	ND	--	--	--	ND	
	Dibenz(a,h)anthracene	--	--	--	--	ND	--	--	--	ND	
	Fluorene	--	--	--	--	ND	--	--	--	ND	
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	ND	--	--	--	ND	
	Naphthalene	--	--	ND	ND	ND	ND	ND	--	ND	
	Phenanthrene	--	--	--	--	ND	--	--	--	ND	
	Pyrene	--	--	--	--	ND	--	--	--	ND	

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Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	--	ND	
	1,2-Dibromoethane (EDB)	--	--	ND	--	--	--	--	--	--	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	--	ND	
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	--	--	--	--	--	--	
	Benzene	5	MCL	ND	ND	ND	ND	ND	--	ND	
	Cumene	--	--	--	--	ND	--	--	--	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	--	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	--	ND	
	n-Butylbenzene	--	--	--	--	ND	--	--	--	ND	
	n-Propylbenzene	--	--	--	--	ND	--	--	--	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	--	ND	
	sec-Butylbenzene	--	--	--	--	ND	--	--	--	ND	
	tert-Butylbenzene	--	--	--	--	ND	--	--	--	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	--	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	--	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	--	--	ND	ND	ND	--	ND	
	Bromoform	--	--	--	--	ND	ND	ND	--	ND	
	Chloroform	--	--	--	--	ND	ND	ND	--	ND	
	Dibromochloromethane	--	--	--	--	ND	ND	ND	--	ND	
	Total Trihalomethanes	80	MCL	--	--	ND	ND	ND	--	ND	