

**Summary of Chemistry Results**

**Zone SH**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
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
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**Drinking Water Samples Collected in April 2024 - June 2024 from Waiawa Shaft**

		SHFTWAIA-CP-PR Well Waiawa Shaft Pre-Chlorination				SHFTWAIA-CP-PT Well Waiawa Shaft Post-Chlorination					
		Field Sample ID:	Sample Date:	Sample Type:	DOH Project Screening Level	Basis of Project Screening Level	Field Sample ID:	Sample Date:	Sample Type:	DOH Project Screening Level	Basis of Project Screening Level
		SHAFT-HW-0017916-24092-N	2024-04-19	N (Normal)	4000	MCL	SHAFT-HW-0016021-24092-N	2024-04-19	N (Normal)	4000	MCL
		SHAFT-HW-0017916-24122-N	2024-05-10	N (Normal)	6.00		SHAFT-HW-0016021-24122-N	2024-05-06	N (Normal)	6.00	
		SHAFT-HW-0017916-24153-N	2024-06-03	N (Normal)	120		SHAFT-HW-0016021-24153-N	2024-06-03	N (Normal)	120	
		SHAFT-HW-0017916-24153-N-R1	2024-06-05	N (Normal)	20.0		SHAFT-HW-0016021-24153-N-R1	2024-06-05	N (Normal)	20.0	
Bacterial Test (in 100 mL)	Coliform	--	--	--	Absent		--	--	--	--	--
	E. coli	--	--	--	Absent		--	--	--	--	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	6.00		--	--	--	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	120	20.0	30.0	0.00	760	920	550	960
Field Test (pH)	pH	--	--	7.27	7.37	7.31	7.23	7.37	7.42	7.35	7.34
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.260	0.210	0.240	0.270	0.230	0.330	0.230
Field Test (degrees Celcius)	Temperature	--	--	28.8	25.6	28.2	30.9	27.3	26.3	34.0	24.8
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.960	0.160	0.570	0.840	0.740	0.190	0.850	0.630
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	50000	51100	48500	--	52500	51500	51200	--
	Bromate	--	--	ND	ND	ND	ND	ND	ND	--	ND
	Bromide	--	--	130	130	130	--	86.0	57.0	--	--
	Chlorate	--	--	ND	ND	ND	ND	85.0	85.0	--	66.0
	Chloride	--	--	37500	31900	33700	--	37700	37100	--	--
	Chlorite	--	--	ND	ND	ND	ND	ND	ND	--	ND
	Fluoride	--	--	ND	ND	ND	--	130	470	--	--
	Phosphorus, Total Orthophosphate (as P)	--	--	150	160	170	160	150	150	--	--
	Sulfate	--	--	5900	6000	6000	--	5900	5900	--	--
	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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		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-0017916-24092-N	SHAFT-HW-0017916-24122-N	SHAFT-HW-0017916-24153-N	SHAFT-HW-0017916-24153-N-R1	SHAFT-HW-0016021-24092-N	SHAFT-HW-0016021-24122-N	SHAFT-HW-0016021-24153-N	SHAFT-HW-0016021-24153-N-R1
		Sample Date:		2024-04-19	2024-05-10	2024-06-03	2024-06-05	2024-04-19	2024-05-06	2024-06-03	2024-06-05
		Sample Type:		N (Normal)	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								
Metals (ppb)	Calcium	--	--	8800	8800	8900	9100	8800	9000	8900	9000
	Copper	1300	MCL	--	--	--	--	--	--	12.0	--
	Iron	--	--	11.0	ND	ND	ND	ND	ND	ND	ND
	Lead	15	MCL	--	--	--	--	--	--	0.160	--
	Magnesium	--	--	8300	8400	8500	8600	8300	8500	8500	8600
	Manganese	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	--	--	--	--	--	--	ND	--
	Potassium	--	--	1400	1400	1500	1600	1400	1500	1500	1500
	Silica	--	--	60300	59000	60100	59500	60300	61400	60300	59700
	Sodium	--	--	22500	23000	23300	23200	23200	24400	24100	24400
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	--	ND	ND	ND	--
	2-Methylnaphthalene	--	--	ND	ND	ND	--	ND	ND	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	0.0120	ND	--	ND	ND	ND	--
	Naphthalene	--	--	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	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	--	ND	ND	ND	--
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	--	ND	--	ND	--	ND
	Benzene	5	MCL	ND	ND	ND	--	ND	ND	ND	--
	Ethylbenzene	700	MCL	ND	ND	ND	--	ND	ND	ND	--
	m,p-Xylene	--	--	ND	ND	ND	--	ND	ND	ND	--
o-Xylene	--	--	ND	ND	ND	--	ND	ND	ND	--	

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				Well				Well				
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Volatile Organic Compounds (ppb)	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	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	--	