

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		<b>Location ID:</b>		A2-CATA1168		A2-CATA1170		A2-CATA1203		A2-CATA4944		A2-DAUN4905		A2-DAUN4917	
		<b>Location Type:</b>		Residence		Residence		Residence		Residence		Residence		Residence	
		<b>Address:</b>		1168 Catalina Drive		1170 Catalina Drive		1203 Catalina Drive		4944 Catalina Lane		4905 Dauntless Drive		4917 Dauntless Drive	
		<b>Field Sample ID:</b>		A2-TW-0001807-22150-3-N	A2-TW-0001807-22150-N	A2-TW-0001808-22150-N	A2-TW-0001820-22150-N	A2-TW-0001824-22150-N	A2-TW-0001838-22150-N	A2-TW-0000397-22150-3-N	A2-TW-0000397-22150-N				
		<b>Sample Date:</b>		2022-08-24	2022-08-24	2022-07-20	2022-07-21	2022-07-20	2022-06-22	2022-06-28	2022-06-28				
		<b>Sample Type:</b>		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)				
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>												
Field Test (ppb)	Free Chlorine	4000	MCL	540	540	550	500	610	550	540	540				
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND				
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	52.7	ND	ND	ND	58.9	ND	ND				
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND				
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND				
	Petroleum Hydrocarbons, Total	266	ISP	ND	52.7	ND	ND	ND	58.9	ND	ND				
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Barium	2000	MCL	1.80	1.80	1.80	2.00	1.70	1.90	1.90	1.90				
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Chromium	100	MCL	1.30	1.30	1.10	1.20	1.30	1.40	1.10	1.10				
	Copper	1300	MCL	31.2	31.0	204	43.2	5.00	67.3	68.2	62.5				
	Lead	15	MCL	0.320	0.360	0.710	0.480	1.10	0.240	0.550	0.220				
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Selenium	50	MCL	0.370	0.400	0.480	ND	ND	1.80	0.370	0.430				
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND				
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND				
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND				
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND				
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND				

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-CATA1168	A2-CATA1170	A2-CATA1203	A2-CATA4944	A2-DAUN4905	A2-DAUN4917		
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		
				Address:	1168 Catalina Drive	1170 Catalina Drive	1203 Catalina Drive	4944 Catalina Lane	4905 Dauntless Drive	4917 Dauntless Drive		
				Field Sample ID:	A2-TW-0001807-22150-3-N	A2-TW-0001807-22150-N	A2-TW-0001808-22150-N	A2-TW-0001820-22150-N	A2-TW-0001824-22150-N	A2-TW-0001838-22150-N	A2-TW-0000397-22150-3-N	A2-TW-0000397-22150-N
				Sample Date:	2022-08-24	2022-08-24	2022-07-20	2022-07-21	2022-07-20	2022-06-22	2022-06-28	2022-06-28
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	29.3
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A2-CATA1168		A2-CATA1170	A2-CATA1203	A2-CATA4944	A2-DAUN4905	A2-DAUN4917	
				Location ID:	Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
				Address:		Address:		Address:		Address:	
				Field Sample ID:		Field Sample ID:		Field Sample ID:		Field Sample ID:	
				Sample Date:		Sample Date:		Sample Date:		Sample Date:	
				Sample Type:		Sample Type:		Sample Type:		Sample Type:	
				1168 Catalina Drive	1170 Catalina Drive	1203 Catalina Drive	4944 Catalina Lane	4905 Dauntless Drive	4917 Dauntless Drive		
				A2-TW-0001807-22150-3-N	A2-TW-0001807-22150-N	A2-TW-0001808-22150-N	A2-TW-0001820-22150-N	A2-TW-0001824-22150-N	A2-TW-0001838-22150-N	A2-TW-0000397-22150-3-N	A2-TW-0000397-22150-N
				2022-08-24	2022-08-24	2022-07-20	2022-07-21	2022-07-20	2022-06-22	2022-06-28	2022-06-28
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	29.3
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.520	ND	1.40	ND	ND	ND
	Bromoform	--	--	ND	ND	1.20	ND	3.30	ND	0.510	ND
	Chloroform	--	--	ND	ND	ND	ND	0.760	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.340	1.30	ND	3.40	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.340	3.02	ND	8.86	ND	0.510	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-DAUN4928	A2-KAME4723	A2-KAME4725	A2-KAME4727	A2-KAME4752	A2-KAME4756	A2-KAME4757	A2-KAME4775
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	4928 Dauntless Drive	4723 Kamehameha Loop	4725 Kamehameha Loop	4727 Kamehameha Loop	4752 Kamehameha Loop	4756 Kamehameha Loop	4757 Kamehameha Loop	4775 Kamehameha Loop
				Field Sample ID:	A2-TW-0001845-22150-N	A2-TW-0001851-22150-N	A2-TW-0001853-22150-N	A2-TW-0001854-22150-N	A2-TW-0001855-22150-N	A2-TW-0001858-22150-N	A2-TW-0001859-22150-N	A2-TW-0001865-22150-N
				Sample Date:	2022-06-23	2022-07-28	2022-08-23	2022-08-23	2022-08-26	2022-08-23	2022-08-24	2022-06-20
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	590	390	880	410	470	400	310	490	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	86.9	ND	64.1	67.1	58.8	ND	55.8	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	86.9	ND	64.1	67.1	58.8	ND	55.8	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.240	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	2.00	1.90	1.90	1.80	1.80	1.80	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.830	1.00	1.50	1.60	1.70	1.30	1.30	0.920	
	Copper	1300	MCL	33.7	60.2	26.9	30.5	61.5	30.4	74.4	26.8	
	Lead	15	MCL	ND	0.260	0.240	0.530	0.340	0.280	0.410	0.140	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.310	0.570	0.420	ND	ND	0.380	0.380	2.20	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	A2-DAUN4928	A2-KAME4723	A2-KAME4725	A2-KAME4727	A2-KAME4752	A2-KAME4756	A2-KAME4757	A2-KAME4775	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4928 Dauntless Drive	4723 Kamehameha Loop	4725 Kamehameha Loop	4727 Kamehameha Loop	4752 Kamehameha Loop	4756 Kamehameha Loop	4757 Kamehameha Loop	4775 Kamehameha Loop	
		Field Sample ID:	A2-TW-0001845-22150-N	A2-TW-0001851-22150-N	A2-TW-0001853-22150-N	A2-TW-0001854-22150-N	A2-TW-0001855-22150-N	A2-TW-0001858-22150-N	A2-TW-0001859-22150-N	A2-TW-0001865-22150-N	
		Sample Date:	2022-06-23	2022-07-28	2022-08-23	2022-08-23	2022-08-26	2022-08-23	2022-08-24	2022-06-20	
		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								
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	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	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
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		Sample Date:	2022-06-23	2022-07-28	2022-08-23	2022-08-23	2022-08-26	2022-08-23	2022-08-24	2022-06-20
		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							
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	0.820	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	0.820	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	0.400	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	10.4	0.520
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	2.50	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	13.3	0.520

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-KAME4792	A2-KAME4906	A2-KAME4918	A2-KAME4980	A2-KAME4982	A2-KAME4983	A2-KAME4984	A2-KAME5063
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care
				Address:	4792 Kamehameha Loop	4906 Kamehameha Loop	4918 Kamehameha Loop	4980 Kamehameha Loop	4982 Kamehameha Loop	4983 Kamehameha Loop	4984 Kamehameha Loop	5063 Kamehameha Loop (CDH)
				Field Sample ID:	A2-TW-0001867-22150-N	A2-TW-0001893-22150-N	A2-TW-0001899-22150-N	A2-TW-0001905-22150-N	A2-TW-0001907-22150-N	A2-TW-0001908-22150-N	A2-TW-0001909-22150-N	A2-TW-0001928-22150-N
				Sample Date:	2022-08-01	2022-07-22	2022-06-20	2022-06-22	2022-08-23	2022-08-24	2022-08-23	2022-07-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	410	460	180	280	210	430	460	520	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	59.2	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	59.2	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.200	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	1.80	1.90	2.00	1.80	1.80	1.90	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.50	1.20	0.880	1.20	1.40	1.30	1.40	1.20	
	Copper	1300	MCL	40.8	56.5	75.1	73.4	33.7	36.3	29.3	32.8	
	Lead	15	MCL	0.440	0.170	0.180	0.250	0.270	0.360	ND	ND	
	Mercury	2	MCL	ND	0.0280	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.550	0.500	0.570	0.980	0.330	0.340	ND	ND	
	Thallium	2	MCL	ND	ND	ND	0.120	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-KAME4792	A2-KAME4906	A2-KAME4918	A2-KAME4980	A2-KAME4982	A2-KAME4983	A2-KAME4984	A2-KAME5063
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care
				Address:	4792 Kamehameha Loop	4906 Kamehameha Loop	4918 Kamehameha Loop	4980 Kamehameha Loop	4982 Kamehameha Loop	4983 Kamehameha Loop	4984 Kamehameha Loop	5063 Kamehameha Loop (CDH)
				Field Sample ID:	A2-TW-0001867-22150-N	A2-TW-0001893-22150-N	A2-TW-0001899-22150-N	A2-TW-0001905-22150-N	A2-TW-0001907-22150-N	A2-TW-0001908-22150-N	A2-TW-0001909-22150-N	A2-TW-0001928-22150-N
				Sample Date:	2022-08-01	2022-07-22	2022-06-20	2022-06-22	2022-08-23	2022-08-24	2022-08-23	2022-07-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND



**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
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N (Grab, Resample) = Additional follow-up sample

		<b>Location ID:</b>	A2-KAME4792	A2-KAME4906	A2-KAME4918	A2-KAME4980	A2-KAME4982	A2-KAME4983	A2-KAME4984	A2-KAME5063
		<b>Location Type:</b>	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care
		<b>Address:</b>	4792 Kamehameha Loop	4906 Kamehameha Loop	4918 Kamehameha Loop	4980 Kamehameha Loop	4982 Kamehameha Loop	4983 Kamehameha Loop	4984 Kamehameha Loop	5063 Kamehameha Loop (CDH)
		<b>Field Sample ID:</b>	A2-TW-0001867-22150-N	A2-TW-0001893-22150-N	A2-TW-0001899-22150-N	A2-TW-0001905-22150-N	A2-TW-0001907-22150-N	A2-TW-0001908-22150-N	A2-TW-0001909-22150-N	A2-TW-0001928-22150-N
		<b>Sample Date:</b>	2022-08-01	2022-07-22	2022-06-20	2022-06-22	2022-08-23	2022-08-24	2022-08-23	2022-07-21
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>							
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.860	ND	0.700	ND	ND	2.60	0.260
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	0.400	ND
	Total Trihalomethanes	80	MCL	0.860	ND	0.700	ND	ND	3.00	0.260

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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N (Grab, Resample) = Additional follow-up sample

		Location ID:	A2-KAME5069	A2-KAME5187	A2-LEXI4611	A2-LEXI4678	A2-MARY4706	A2-NEVA4676	A2-NEVA4678	A2-NEVA4680	
		Location Type:	Residential Child Care	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5069 Kamehameha Loop (CDH)	5187 Kamehameha Loop	4611 Lexington Boulevard	4678 Lexington Boulevard	4706 Maryland Street	4676 Nevada Street	4678 Nevada Street	4680 Nevada Street	
		Field Sample ID:	A2-TW-0001932-22150-N	A2-TW-0001955-22150-N	A2-TW-0001979-22150-N	A2-TW-0001985-22150-N	A2-TW-0001994-22150-N	A2-TW-0002002-22150-N	A2-TW-0002003-22150-N	A2-TW-0002004-22150-N	
		Sample Date:	2022-08-23	2022-08-23	2022-06-20	2022-06-21	2022-06-21	2022-06-21	2022-08-24	2022-06-22	
		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								
Field Test (ppb)	Free Chlorine	4000	MCL	370	510	530	740	630	640	550	290
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	58.9	ND	133	85.9	65.1	52.1	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	53.0	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	112	ND	133	85.9	65.1	52.1	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.110	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	1.90	1.80	1.80	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.40	1.50	0.820	1.20	1.20	1.20	1.30	1.30
	Copper	1300	MCL	61.8	22.8	11.8	10.9	6.50	12.2	6.40	13.9
	Lead	15	MCL	0.320	0.350	0.300	0.420	0.280	0.510	0.330	0.630
	Mercury	2	MCL	ND	ND	ND	0.140	0.140	0.100	ND	ND
	Selenium	50	MCL	0.310	0.320	1.70	1.80	1.90	1.70	0.430	1.60
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	0.0260	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-KAME5069	A2-KAME5187	A2-LEXI4611	A2-LEXI4678	A2-MARY4706	A2-NEVA4676	A2-NEVA4678	A2-NEVA4680
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residential Child Care	Residence	Residence	Residence
					5069 Kamehameha Loop (CDH)	5187 Kamehameha Loop	4611 Lexington Boulevard	4678 Lexington Boulevard	4706 Maryland Street	4676 Nevada Street	4678 Nevada Street	4680 Nevada Street
					A2-TW-0001932-22150-N	A2-TW-0001955-22150-N	A2-TW-0001979-22150-N	A2-TW-0001985-22150-N	A2-TW-0001994-22150-N	A2-TW-0002002-22150-N	A2-TW-0002003-22150-N	A2-TW-0002004-22150-N
					2022-08-23	2022-08-23	2022-06-20	2022-06-21	2022-06-21	2022-06-21	2022-08-24	2022-06-22
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

## Drinking Water Samples collected in June-October 2022 from Residences in Zone A2

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	A2-KAME5069	A2-KAME5187	A2-LEXI4611	A2-LEXI4678	A2-MARY4706	A2-NEVA4676	A2-NEVA4678	A2-NEVA4680
		Location Type:	Residential Child Care	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5069 Kamehameha Loop (CDH)	5187 Kamehameha Loop	4611 Lexington Boulevard	4678 Lexington Boulevard	4706 Maryland Street	4676 Nevada Street	4678 Nevada Street	4680 Nevada Street
		Field Sample ID:	A2-TW-0001932-22150-N	A2-TW-0001955-22150-N	A2-TW-0001979-22150-N	A2-TW-0001985-22150-N	A2-TW-0001994-22150-N	A2-TW-0002002-22150-N	A2-TW-0002003-22150-N	A2-TW-0002004-22150-N
		Sample Date:	2022-08-23	2022-08-23	2022-06-20	2022-06-21	2022-06-21	2022-06-21	2022-08-24	2022-06-22
		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							
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.700	ND	0.790	ND	0.620	ND	0.640
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.350	ND	0.640	ND	0.700	ND	0.760
	Total Trihalomethanes	80	MCL	1.05	ND	1.43	ND	1.32	ND	1.40

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-NEVA4686	A2-NEVA4699	A2-NEVA4700		A2-NEVA4706	A2-OKLA4669	A2-OKLA4675	A2-OKLA4686
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence
				Address:	4686 Nevada Street	4699 Nevada Street	4700 Nevada Street		4706 Nevada Street	4669 Oklahoma Avenue	4675 Oklahoma Avenue	4686 Oklahoma Avenue
				Field Sample ID:	A2-TW-0002006-22150-N	A2-TW-0002010-22150-N	A2-TW-0002011-22150-3-N	A2-TW-0002011-22150-N	A2-TW-0002013-22150-N	A2-TW-0002019-22150-N	A2-TW-0002021-22150-N	A2-TW-0002024-22150-N
				Sample Date:	2022-08-23	2022-06-20	2022-06-20	2022-06-20	2022-08-23	2022-06-23	2022-06-21	2022-06-21
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
					740	500	470	470	720	600	660	670
Field Test (ppb)	Free Chlorine	4000	MCL									
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	111	ND	ND	97.1	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	111	ND	ND	97.1	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	0.170	ND	ND	ND	ND	ND	0.230	0.290	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.790	ND	ND	
	Barium	2000	MCL	1.80	1.90	1.90	1.80	2.00	1.80	1.90	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.40	0.920	0.900	0.830	1.40	0.850	1.10	1.20	
	Copper	1300	MCL	7.40	9.90	8.20	7.40	63.2	21.9	8.80	12.3	
	Lead	15	MCL	0.450	0.330	0.430	0.360	0.270	0.860	0.350	0.480	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	0.420	2.00	1.60	1.80	ND	0.410	1.30	1.00	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

**Drinking Water Samples collected in June-October 2022 from Residences in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				A2-NEVA4686	A2-NEVA4699	A2-NEVA4700		A2-NEVA4706	A2-OKLA4669	A2-OKLA4675	A2-OKLA4686
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				A2-NEVA4686	A2-NEVA4699	A2-NEVA4700		A2-NEVA4706	A2-OKLA4669	A2-OKLA4675	A2-OKLA4686
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				4686 Nevada Street	4699 Nevada Street	4700 Nevada Street		4706 Nevada Street	4669 Oklahoma Avenue	4675 Oklahoma Avenue	4686 Oklahoma Avenue
				A2-TW-0002006-22150-N	A2-TW-0002010-22150-N	A2-TW-0002011-22150-3-N	A2-TW-0002011-22150-N	A2-TW-0002013-22150-N	A2-TW-0002019-22150-N	A2-TW-0002021-22150-N	A2-TW-0002024-22150-N
				2022-08-23	2022-06-20	2022-06-20	2022-06-20	2022-08-23	2022-06-23	2022-06-21	2022-06-21
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	0.350	0.540	ND	0.590
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.430	0.680	ND	0.710
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.780	1.22	ND	1.30

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A2-PRIN4520		A2-PRIN4553	A2-SARA1033	A2-TENN1032	A2-TENN1036		A2-TENN1042
				Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				4520 Princeton Place		4553 Princeton Place	1033 Saratoga Boulevard	1032 Tennessee Street	1036 Tennessee Street		1042 Tennessee Street
				A2-TW-0002036-22150-3-N	A2-TW-0002036-22150-N	A2-TW-0002041-22150-N	A2-TW-0002048-22150-N	A2-TW-0002056-22150-N	A2-TW-0002057-22150-3-N	A2-TW-0002057-22150-N	A2-TW-0002058-22150-N
				2022-08-25	2022-08-25	2022-07-20	2022-07-21	2022-07-21	2022-08-25	2022-08-25	2022-07-20
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	500	500	260	500	320	480	480	300
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	69.1	54.6	ND	ND	ND	52.9	61.9	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	69.1	54.6	ND	ND	ND	52.9	61.9	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.80	1.90	2.30	1.90	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.70	1.70	1.20	1.20	1.30	1.60	1.60	1.20
	Copper	1300	MCL	25.4	25.8	16.3	6.90	4.50	5.60	5.00	17.3
	Lead	15	MCL	0.260	0.270	ND	0.270	0.300	0.250	0.210	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.310	ND	ND	ND	ND	0.330
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	0.660	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND



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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-PRIN4520		Location ID: A2-PRIN4553		Location ID: A2-SARA1033		Location ID: A2-TENN1032		Location ID: A2-TENN1036		Location ID: A2-TENN1042					
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	
				Residence 4520 Princeton Place		Residence 4553 Princeton Place		Residence 1033 Saratoga Boulevard		Residence 1032 Tennessee Street		Residence 1036 Tennessee Street		Residence 1042 Tennessee Street					
				A2-TW-0002036-22150-3-N	2022-08-25	A2-TW-0002036-22150-N	2022-08-25	A2-TW-0002041-22150-N	2022-07-20	A2-TW-0002048-22150-N	2022-07-21	A2-TW-0002056-22150-N	2022-07-21	A2-TW-0002057-22150-3-N	2022-08-25	A2-TW-0002057-22150-N	2022-08-25	A2-TW-0002058-22150-N	2022-07-20
				FD (Field Duplicate)		N (Normal)		N (Normal)		N (Normal)		N (Normal)		FD (Field Duplicate)		N (Normal)		N (Normal)	
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

## Drinking Water Samples collected in June-October 2022 from Residences in Zone A2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A2-PRIN4520		A2-PRIN4553	A2-SARA1033	A2-TENN1032	A2-TENN1036		A2-TENN1042	
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:
				4520 Princeton Place	4553 Princeton Place	1033 Saratoga Boulevard	1032 Tennessee Street	1036 Tennessee Street	1042 Tennessee Street			
				A2-TW-0002036-22150-3-N	A2-TW-0002036-22150-N	A2-TW-0002041-22150-N	A2-TW-0002048-22150-N	A2-TW-0002056-22150-N	A2-TW-0002057-22150-3-N	A2-TW-0002057-22150-N	A2-TW-0002058-22150-N	
				2022-08-25	2022-08-25	2022-07-20	2022-07-21	2022-07-21	2022-08-25	2022-08-25	2022-07-20	
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	1.10	ND	ND	ND	ND	
	Bromoform	--	--	0.980	0.810	ND	2.60	ND	ND	0.250	ND	
	Chloroform	--	--	ND	ND	ND	0.610	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.500	0.420	ND	2.70	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	1.48	1.23	ND	7.01	ND	ND	0.250	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-TOMA4941		Location ID: A2-WEST1043
				Location Type: Residence		Location Type: Residence
				Address: 4941 Tomahawk Street		Address: 1043 West Virginia Street
				Field Sample ID: A2-TW-0002083-22150-3-N	Field Sample ID: A2-TW-0002083-22150-N	Field Sample ID: A2-TW-0000383-22150-N
				Sample Date: 2022-08-24	Sample Date: 2022-08-24	Sample Date: 2022-07-21
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	560	560	600
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	1.70	1.70	2.20
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.30	1.20	1.30
	Copper	1300	MCL	9.30	9.40	7.60
	Lead	15	MCL	0.240	0.250	0.460
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	0.420	0.330	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-TOMA4941			Location ID: A2-WEST1043		
				Residence			Residence		
				Address: 4941 Tomahawk Street			1043 West Virginia Street		
				Field Sample ID: A2-TW-0002083-22150-3-N	A2-TW-0002083-22150-N	A2-TW-0000383-22150-N			
				Sample Date: 2022-08-24	2022-08-24	2022-07-21			
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)			
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND			
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND			
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND			
	1,2-Dichloroethane	5	MCL	ND	ND	ND			
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND			
	1,2-Dichloropropane	5	MCL	ND	ND	ND			
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND			
	Benzene	5	MCL	ND	ND	ND			
	Carbon Tetrachloride	5	MCL	ND	ND	ND			
	Chlorobenzene	100	MCL	ND	ND	ND			
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND			
	Ethylbenzene	700	MCL	ND	ND	ND			
	m,p-Xylene	--	--	ND	ND	ND			
	Methylene chloride	5	MCL	ND	ND	ND			
	o-Xylene	--	--	ND	ND	ND			
	Styrene	100	MCL	ND	ND	ND			
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND			
	Toluene	1000	MCL	ND	ND	ND			
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND			
	Trichloroethene (TCE)	5	MCL	ND	ND	ND			
Vinyl chloride	2	MCL	ND	ND	ND				
Xylenes, Total	10000	MCL	ND	ND	ND				
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND			
	Chloroacetic acid	--	--	ND	ND	ND			

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-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-TOMA4941			Location ID: A2-WEST1043		
				Location Type: Residence			Location Type: Residence		
				Address: 4941 Tomahawk Street			Address: 1043 West Virginia Street		
				Field Sample ID:	A2-TW-0002083-22150-3-N	A2-TW-0002083-22150-N	A2-TW-0000383-22150-N		
				Sample Date:	2022-08-24	2022-08-24	2022-07-21		
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)		
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND			
	Dichloroacetic acid	--	--	ND	ND	ND			
	Trichloroacetic acid	--	--	ND	ND	ND			
	Total Haloacetic acids	60	MCL	ND	ND	ND			
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND			
	Bromoform	--	--	ND	ND	ND			
	Chloroform	--	--	ND	ND	ND			
	Dibromochloromethane	--	--	ND	ND	ND			
	Total Trihalomethanes	80	MCL	ND	ND	ND			

## Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2

### Summary of Chemistry Results Zone A2 Long Term Monitoring Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

<b>Notes:</b>
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	A2-BLDG0078	A2-BLDG0079	A2-BLDG0130		A2-BLDG0133	A2-BLDG0184	A2-BLDG0S84	A2-BLDG1219	
		Location Type:	Non-Residence	Non-Residence	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 78,NAVY LODGE	Building 79,PEARL HARBOR AVIATION MUSEUM (PHAM)	Building 130,NOAA FACILITY		Building 133,NUWC BLDG FORD ISLAND	Building 184,WATERFRONT OPERATION (NOAA)	Building S84,HISTORIC AIRCRAFT CNTRL TWR	Building 1219,OHANA COMMUNITY CENTER	
		Field Sample ID:	A2-TW-0014275-22150-N	A2-TW-0014276-22150-N	A2-TW-0014281-22150-3-N	A2-TW-0014281-22150-N	A2-TW-0014282-22150-N	A2-TW-0014285-22150-N	A2-TW-0014333-22150-N	A2-TW-0014336-22150-N	
		Sample Date:	2022-07-21	2022-10-04	2022-07-21	2022-07-21	2022-10-04	2022-07-21	2022-10-04	2022-07-21	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	440	10.0	450	450	90.0	210	60.0	200
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	270	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	56.0	ND	51.1	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	56.0	ND	51.1	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	1.80	1.90	1.90	1.80	1.90	2.20	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	0.0550	ND	ND	0.0530	ND	ND	ND
	Chromium	100	MCL	1.20	0.820	1.20	1.30	1.80	1.10	1.80	1.20
	Copper	1300	MCL	40.5	4.30	191	189	173	237	200	104
	Lead	15	MCL	0.130	ND	0.470	0.470	0.330	0.830	0.390	0.280
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.300	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
ND = Not Detected
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EPA MCL = EPA Maximum Contaminant Level
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§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-BLDG0078	A2-BLDG0079	A2-BLDG0130		A2-BLDG0133	A2-BLDG0184	A2-BLDG0S84	A2-BLDG1219
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 78,NAVY LODGE	Building 79,PEARL HARBOR AVIATION MUSEUM (PHAM)	Building 130,NOAA FACILITY		Building 133,NUWC BLDG FORD ISLAND	Building 184,WATERFRONT OPERATION (NOAA)	Building S84,HISTORIC AIRCRAFT CNTRL TWR	Building 1219,OHANA COMMUNITY CENTER
					A2-TW-0014275-22150-N	A2-TW-0014276-22150-N	A2-TW-0014281-22150-3-N	A2-TW-0014281-22150-N	A2-TW-0014282-22150-N	A2-TW-0014285-22150-N	A2-TW-0014333-22150-N	A2-TW-0014336-22150-N
					2022-07-21	2022-10-04	2022-07-21	2022-07-21	2022-10-04	2022-07-21	2022-10-04	2022-07-21
					N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
					ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

## Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2

**Summary of Chemistry Results**  
**Zone A2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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ND = Not Detected
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-BLDG0078	A2-BLDG0079	A2-BLDG0130		A2-BLDG0133	A2-BLDG0184	A2-BLDG0S84	A2-BLDG1219
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 78,NAVY LODGE	Building 79,PEARL HARBOR AVIATION MUSEUM (PHAM)	Building 130,NOAA FACILITY		Building 133,NUWC BLDG FORD ISLAND	Building 184,WATERFRONT OPERATION (NOAA)	Building S84,HISTORIC AIRCRAFT CNTRL TWR	Building 1219,OHANA COMMUNITY CENTER
					A2-TW-0014275-22150-N	A2-TW-0014276-22150-N	A2-TW-0014281-22150-3-N	A2-TW-0014281-22150-N	A2-TW-0014282-22150-N	A2-TW-0014285-22150-N	A2-TW-0014333-22150-N	A2-TW-0014336-22150-N
					2022-07-21	2022-10-04	2022-07-21	2022-07-21	2022-10-04	2022-07-21	2022-10-04	2022-07-21
					N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	1.20	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.20	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	0.320	ND
	Bromoform	--	--	4.50	0.990	4.60	4.00	1.70	0.930	2.10	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.60	0.440	0.830	0.680	0.700	ND	0.980	ND	ND
	Total Trihalomethanes	80	MCL	6.10	1.43	5.43	4.68	2.40	0.930	3.40	ND	ND



**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-BLDG170B      A2-BLDG223A      A2-BLDG4989B		
				Location Type: Non-Residence	Location Type: Non-Residence	Location Type: Non-Residence
				Address: Building 170B NUWC BLDG FORD ISLAND	Address: Building 223A,ATG SHOP	Address: Building 4989B,COMMUNITY CENTER
				Field Sample ID: A2-TW-0017697-22150-N	Field Sample ID: A2-TW-0014343-22150-N	Field Sample ID: A2-TW-0014348-22150-N
				Sample Date: 2022-10-04	Sample Date: 2022-10-04	Sample Date: 2022-07-21
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	40.0	80.0	170
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	75.9	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	75.9	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	0.280	ND
	Chromium	100	MCL	1.30	0.970	1.10
	Copper	1300	MCL	27.3	19.3	266
	Lead	15	MCL	0.540	0.690	0.590
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.410
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:								
				A2-BLDG170B	A2-BLDG223A	A2-BLDG4989B	Non-Residence	Non-Residence	Non-Residence	Building 170B NUWC BLDG FORD ISLAND	Building 223A,ATG SHOP	Building 4989B,COMMUNITY CENTER	A2-TW-0017697-22150-N	A2-TW-0014343-22150-N	A2-TW-0014348-22150-N	2022-10-04	2022-10-04
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND								
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND								
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND								
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND								
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND								
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND								
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND								
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND								
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND								
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND								
	cis-1,2-Dichloroethene	70	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								
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND								
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND								
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND								
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND								
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND								
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND								
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND								
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND									
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND									
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND								
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND								

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-BLDG170B	A2-BLDG223A	A2-BLDG4989B
				Location Type:	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 170B NUWC BLDG FORD ISLAND	Building 223A,ATG SHOP	Building 4989B,COMMUNITY CENTER
				Field Sample ID:	A2-TW-0017697-22150-N	A2-TW-0014343-22150-N	A2-TW-0014348-22150-N
				Sample Date:	2022-10-04	2022-10-04	2022-07-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	
	Bromoform	--	--	0.960	0.780	0.900	
	Chloroform	--	--	ND	ND	ND	
	Dibromochloromethane	--	--	ND	0.480	ND	
	Total Trihalomethanes	80	MCL	0.960	1.26	0.900	

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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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)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	A2-BLDG0570	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Building 570,CHILD DEVELOPMENT CENTER	
<b>Field Sample ID:</b>	A2-TW-0014310-22150-N-1	A2-TW-0014310-22150-N-2
<b>Sample Date:</b>	2022-08-24	2022-08-24
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	440-460	440-460
Field Test (ppb)	Free Chlorine	4000	MCL	440-460	440-460
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	51.1	57.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	51.1	57.2
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	1.80	1.80
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.30	1.30
	Copper	1300	MCL	25.3	19.9
	Lead	15	MCL	ND	ND
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	0.400	0.360
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	A2-BLDG0570	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Building 570,CHILD DEVELOPMENT CENTER	
<b>Field Sample ID:</b>	A2-TW-0014310-22150-N-1	A2-TW-0014310-22150-N-2
<b>Sample Date:</b>	2022-08-24	2022-08-24
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND
Trichloroethene (TCE)	5	MCL	ND	ND	
Vinyl chloride	2	MCL	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

<b>Location ID:</b>	A2-BLDG0570	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Building 570,CHILD DEVELOPMENT CENTER	
<b>Field Sample ID:</b>	A2-TW-0014310-22150-N-1	A2-TW-0014310-22150-N-2
<b>Sample Date:</b>	2022-08-24	2022-08-24
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	ND
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

		<b>Location ID:</b>		A2-HYD214		A2-HYD39	A2-HYD5-25	A2-HYD543		A2-HYD6-2	A2-HYD7-13
		<b>Location Type:</b>		Hydrant		Hydrant	Hydrant	Hydrant		Hydrant	Hydrant
		<b>Address:</b>		FH 214		FH 39	FH 5-25	FH ID: 3-1		FH 6-2	FH 7-13
		<b>Field Sample ID:</b>		A2-DL-0017662-22150	A2-DL-0017662-22150	A2-DL-0017663-22150	A2-DL-0017659-22150	A2-DL-0000507-22150	A2-DL-0000507-22150	A2-DL-0017660-22150	A2-DL-0017655-22150
				-3-N	-N	-N	-N	-3-N	-N	-N	-N
		<b>Sample Date:</b>		2022-07-21	2022-07-21	2022-07-21	2022-10-03	2022-10-04	2022-10-04	2022-10-03	2022-08-24
		<b>Sample Type:</b>		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>								
Field Test (ppb)	Free Chlorine	4000	MCL	150	150	560	410	280	280	420	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	54.6	88.8	ND	64.2	54.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	54.6	88.8	ND	64.2	54.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	4.40	4.40	1.80	1.80	2.00	2.00	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.00	1.10	1.10	1.80	1.80	1.80	1.70	1.20
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

		Location ID: A2-HYD214		A2-HYD39		A2-HYD5-25		A2-HYD543		A2-HYD6-2	A2-HYD7-13			
		Location Type: Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	Hydrant			
		Address: FH 214		FH 39		FH 5-25		FH ID: 3-1		FH 6-2	FH 7-13			
		Field Sample ID: A2-DL-0017662-22150-3-N		A2-DL-0017662-22150-N		A2-DL-0017663-22150-N		A2-DL-0017659-22150-N		A2-DL-0000507-22150-3-N	A2-DL-0000507-22150-N	A2-DL-0017660-22150-N	A2-DL-0017655-22150-N	
		Sample Date: 2022-07-21		2022-07-21		2022-07-21		2022-10-03		2022-10-04		2022-10-04	2022-10-03	2022-08-24
		Sample Type: FD (Field Duplicate)		N (Normal)		N (Normal)		N (Normal)		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level											
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromoacetic acid		--	--	1.10	1.20	ND	ND	ND	ND	ND	ND	0.840	ND	
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Haloacetic acids		60	MCL	1.10	1.20	ND	ND	ND	ND	ND	ND	0.840	ND	



**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A2-HYD214		A2-HYD39	A2-HYD5-25	A2-HYD543		A2-HYD6-2	A2-HYD7-13
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:
				A2-DL-0017662-22150-3-N	A2-DL-0017662-22150-N	A2-DL-0017663-22150-N	A2-DL-0017659-22150-N	A2-DL-0000507-22150-3-N	A2-DL-0000507-22150-N	A2-DL-0017660-22150-N	A2-DL-0017655-22150-N
				2022-07-21	2022-07-21	2022-07-21	2022-10-03	2022-10-04	2022-10-04	2022-10-03	2022-08-24
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
				1.10	1.00	ND	ND	ND	ND	ND	0.270
	Bromodichloromethane	--	--	4.30	4.20	ND	0.420	0.480	0.460	ND	0.900
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	3.00	3.10	ND	0.300	0.410	0.270	ND	0.680
	Dibromochloromethane	--	--	8.40	8.30	ND	0.720	0.890	0.730	ND	1.85
	Total Trihalomethanes	80	MCL								

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A2-HYD7-4	A2-HYD812	A2-HYD84		A2-HYDZ-16	
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	
		Address:	FH 7-4	FH 812	FH 84		FH Z-16	
		Field Sample ID:	A2-DL-0017658-22150 -N	A2-DL-0017661-22150 -N	A2-DL-0017657-22150 -3-N	A2-DL-0017657-22150 -N	A2-DL-0017656-22150 -N	
		Sample Date:	2022-10-03	2022-10-03	2022-08-26	2022-08-26	2022-10-03	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Field Test (ppb)	Free Chlorine	4000	MCL	470	590	470	470	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	200	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	50.7	ND	ND	ND	67.9
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	50.7	ND	ND	ND	67.9
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.80	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.80	1.90	1.70	1.90
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
ND = Not Detected
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EAL = DOH Environmental Action Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-HYD7-4	A2-HYD812	A2-HYD84		A2-HYDZ-16
				Location Type:	Hydrant	Hydrant	Hydrant		Hydrant
				Address:	FH 7-4	FH 812	FH 84		FH Z-16
				Field Sample ID:	A2-DL-0017658-22150-N	A2-DL-0017661-22150-N	A2-DL-0017657-22150-3-N	A2-DL-0017657-22150-N	A2-DL-0017656-22150-N
				Sample Date:	2022-10-03	2022-10-03	2022-08-26	2022-08-26	2022-10-03
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	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
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	ND	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A2**

**Summary of Chemistry Results  
Zone A2 Long Term Monitoring  
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)
§ - 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-HYD7-4	A2-HYD812	A2-HYD84		A2-HYDZ-16
				Location Type:	Hydrant	Hydrant	Hydrant		Hydrant
				Address:	FH 7-4	FH 812	FH 84		FH Z-16
				Field Sample ID:	A2-DL-0017658-22150 -N	A2-DL-0017661-22150 -N	A2-DL-0017657-22150 -3-N	A2-DL-0017657-22150 -N	A2-DL-0017656-22150 -N
				Sample Date:	2022-10-03	2022-10-03	2022-08-26	2022-08-26	2022-10-03
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.500	ND	0.290	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.420	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.920	ND	0.290	ND	ND