

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
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All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-ALOH1614	A1-ALOH1621	A1-ALOH1640	A1-ASHL5003	A1-ASHL5007		A1-ASHL5104	A1-ASHL5128	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	1614 Aloha Avenue	1621 Aloha Avenue	1640 Aloha Avenue	5003 Ashley Avenue	5007 Ashley Avenue		5104 Ashley Avenue	5128 Ashley Avenue	
		Field Sample ID:	A1-TW-0001574-22084-N	A1-TW-0001581-22084-N	A1-TW-0001594-22084-N	A1-TW-0001281-22084-N	A1-TW-0001285-22084-3-N	A1-TW-0001285-22084-N	A1-TW-0000463-22084-N	A1-TW-0001220-22084-N	
		Sample Date:	2022-04-11	2022-04-12	2022-04-11	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12	
		Sample Type:	N (Normal)	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								
Field Test (ppb)	Free Chlorine	4000	MCL	470	370	290	420	120	120	320	110
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	ND	ND	ND	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	0.610	ND	ND	ND	0.610	ND
	Barium	2000	MCL	1.90	2.00	1.90	2.60	2.70	2.60	2.20	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	1.60	1.70	1.70	1.60	1.70	1.70	1.80	1.60
	Copper	1300	MCL	41.2	30.8	40.7	23.4	43.2	43.4	26.7	22.9
	Lead	15	MCL	0.220	ND	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	0.0310	ND	ND	ND	0.0340	ND
	Selenium	50	MCL	ND	ND	ND	ND	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
	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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		Address:	1614 Aloha Avenue	1621 Aloha Avenue	1640 Aloha Avenue	5003 Ashley Avenue	5007 Ashley Avenue		5104 Ashley Avenue	5128 Ashley Avenue
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		Sample Date:	2022-04-11	2022-04-12	2022-04-11	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12
		Sample Type:	N (Normal)	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)	1,2,4-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	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
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	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:	A1-ALOH1614	A1-ALOH1621	A1-ALOH1640	A1-ASHL5003	A1-ASHL5007		A1-ASHL5104	A1-ASHL5128
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	1614 Aloha Avenue	1621 Aloha Avenue	1640 Aloha Avenue	5003 Ashley Avenue	5007 Ashley Avenue		5104 Ashley Avenue	5128 Ashley Avenue
				Field Sample ID:	A1-TW-0001574-22084-N	A1-TW-0001581-22084-N	A1-TW-0001594-22084-N	A1-TW-0001281-22084-N	A1-TW-0001285-22084-3-N	A1-TW-0001285-22084-N	A1-TW-0000463-22084-N	A1-TW-0001220-22084-N
				Sample Date:	2022-04-11	2022-04-12	2022-04-11	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	0.790	0.690	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	0.860	1.70	1.70	0.510	0.600	0.600
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.900	1.70	1.50	ND	0.530	0.530
	Total Trihalomethanes	80	MCL	ND	ND	ND	1.80	4.10	3.90	0.510	1.10	1.10

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		Location ID:		A1-AUST0191		A1-AUST0199		A1-AUST0221		A1-CURT0125		A1-CURT0141		A1-FARM6005					
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence					
		Address:		191 Austin Court		199 Austin Court		221 Austin Court		125 Curtis Court		141 Curtis Court		6005 Farm Street					
		Field Sample ID:		A1-TW-0001599-22084-N		A1-TW-0001603-22084-3-N		A1-TW-0001603-22084-N		A1-TW-0001613-22084-N		A1-TW-0001271-22084-N		A1-TW-0001303-22084-3-N		A1-TW-0001303-22084-N		A1-TW-0001254-22084-N	
		Sample Date:		2022-04-12		2022-04-12		2022-04-12		2022-04-11		2022-04-11		2022-04-20		2022-04-20		2022-04-11	
		Sample Type:		N (Normal)		FD (Field Duplicate)		N (Normal)		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	200	270	270		460	360	460	460	460	460	270					
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND					
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND					
Metals (ppb)	Antimony	6	MCL	ND	ND	ND		ND	ND	ND	ND	0.140	ND	ND					
	Arsenic	10	MCL	ND	ND	ND		0.830	0.710	ND	ND	ND	0.660	ND					
	Barium	2000	MCL	2.00	2.00	2.00		2.20	2.00	1.90	2.20	1.90	1.90						
	Beryllium	4	MCL	ND	ND	ND		0.890	ND	ND	ND	ND	ND	ND					
	Cadmium	5	MCL	ND	ND	ND		0.0530	ND	ND	ND	ND	ND	ND					
	Chromium	100	MCL	1.70	1.60	1.60		2.20	1.70	0.930	1.40	1.70	1.70						
	Copper	1300	MCL	105	19.1	23.1		15.0	16.7	24.2	20.8	20.3	20.3						
	Lead	15	MCL	1.90	ND	ND		0.550	ND	ND	ND	0.130	0.130						
	Mercury	2	MCL	ND	ND	ND		ND	0.0580	ND	ND	ND	ND	ND					
	Selenium	50	MCL	ND	ND	ND		0.310	ND	0.310	0.670	0.320	0.320						
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND		0.0700	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						
	1,1-Dichloroethene	7	MCL	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	Location ID:	A1-AUST0199		A1-AUST0221	A1-CURT0125	A1-CURT0141		A1-FARM6005																																			
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence	Residence	Residence																																
				A1-AUST0191	Residence	191 Austin Court	A1-TW-0001599-22084-N	2022-04-12	N (Normal)	A1-AUST0199	Residence	199 Austin Court	A1-TW-0001603-22084-3-N	2022-04-12	FD (Field Duplicate)	A1-TW-0001603-22084-N	2022-04-12	N (Normal)	A1-AUST0221	Residence	221 Austin Court	A1-TW-0001613-22084-N	2022-04-11	N (Normal)	A1-CURT0125	Residence	125 Curtis Court	A1-TW-0001271-22084-N	2022-04-11	N (Normal)	A1-CURT0141	Residence	141 Curtis Court	A1-TW-0001303-22084-3-N	2022-04-20	FD (Field Duplicate)	A1-TW-0001303-22084-N	2022-04-20	N (Normal)	A1-FARM6005	Residence	6005 Farm Street	A1-TW-0001254-22084-N	2022-04-11	N (Normal)	
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected
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§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-AUST0199		A1-AUST0221	A1-CURT0125	A1-CURT0141		A1-FARM6005	
				Location Type:	Residence		Residence	Residence	Residence		Residence	
				Address:	199 Austin Court		221 Austin Court	125 Curtis Court	141 Curtis Court		6005 Farm Street	
				Field Sample ID:	A1-TW-0001599-22084-N	A1-TW-0001603-22084-3-N	A1-TW-0001603-22084-N	A1-TW-0001613-22084-N	A1-TW-0001271-22084-N	A1-TW-0001303-22084-3-N	A1-TW-0001303-22084-N	A1-TW-0001254-22084-N
				Sample Date:	2022-04-12	2022-04-12	2022-04-12	2022-04-11	2022-04-11	2022-04-20	2022-04-20	2022-04-11
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	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	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone A1

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		Location ID:	A1-KIRK2228	A1-LANI1501	A1-LEHU0312		A1-LEHU0406	A1-LEHU0412	A1-LOWE1017	A1-LOWE1024	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	2228 Kirkbride Avenue	1501 Lanikai Avenue	312 Lehua Avenue		406 Lehua Avenue	412 Lehua Avenue	1017 Lowell Avenue	1024 Lowell Avenue	
		Field Sample ID:	A1-TW-0001643-22084-N	A1-TW-0001512-22084-N	A1-TW-0001519-22084-3-N	A1-TW-0001519-22084-N	A1-TW-0001526-22084-N	A1-TW-0001664-22084-N	A1-TW-0001543-22084-N	A1-TW-0001550-22084-N	
		Sample Date:	2022-04-11	2022-04-12	2022-04-12	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12	
		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	220	440	400	400	340	330	170	450
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	ND	ND	ND	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.520	ND	ND
	Barium	2000	MCL	2.00	2.00	2.20	2.20	1.90	1.90	1.90	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	1.60	1.60	1.60	1.50	1.70	1.70	1.70
	Copper	1300	MCL	29.3	33.8	18.4	18.1	82.9	46.5	17.6	136
	Lead	15	MCL	0.160	0.130	ND	ND	0.170	0.160	ND	0.790
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	0.310	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
	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

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone A1

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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:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				A1-KIRK2228	A1-LANI1501	A1-LEHU0312		A1-LEHU0406	A1-LEHU0412	A1-LOWE1017	A1-LOWE1024
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				Address: 2228 Kirkbride Avenue	1501 Lanikai Avenue	312 Lehua Avenue		406 Lehua Avenue	412 Lehua Avenue	1017 Lowell Avenue	1024 Lowell Avenue
				Field Sample ID: A1-TW-0001643-22084-N	A1-TW-0001512-22084-N	A1-TW-0001519-22084-3-N	A1-TW-0001519-22084-N	A1-TW-0001526-22084-N	A1-TW-0001664-22084-N	A1-TW-0001543-22084-N	A1-TW-0001550-22084-N
				Sample Date: 2022-04-11	2022-04-12	2022-04-12	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12
				Sample Type: N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
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		Location ID:	A1-KIRK2228	A1-LANI1501	A1-LEHU0312		A1-LEHU0406	A1-LEHU0412	A1-LOWE1017	A1-LOWE1024
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence
		Address:	2228 Kirkbride Avenue	1501 Lanikai Avenue	312 Lehua Avenue		406 Lehua Avenue	412 Lehua Avenue	1017 Lowell Avenue	1024 Lowell Avenue
		Field Sample ID:	A1-TW-0001643-22084-N	A1-TW-0001512-22084-N	A1-TW-0001519-22084-3-N	A1-TW-0001519-22084-N	A1-TW-0001526-22084-N	A1-TW-0001664-22084-N	A1-TW-0001543-22084-N	A1-TW-0001550-22084-N
		Sample Date:	2022-04-11	2022-04-12	2022-04-12	2022-04-12	2022-04-11	2022-04-11	2022-04-11	2022-04-12
		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							
Haloacetic Acids (ppb)	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	--	--	ND	ND	0.690	0.740	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.840	0.690	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	1.50	1.40	ND	ND	ND

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		Location ID:	A1-LOWE1028	A1-LOWE1103	A1-LOWE1115	A1-PALM1812	A1-ROBI1221	A1-ROBI1302	A1-WAIA2392	A1-WAIA2398	
		Location Type:	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1028 Lowell Avenue	1103 Lowell Ave (CDH)	1115 Lowell Avenue	1812 Palm Avenue	1221 Robinson Avenue	1302 Robinson Avenue	2392 Waianiani Court	2398 Waianiani Court	
		Field Sample ID:	A1-TW-0001552-22084-N	A1-TW-0017808-22084-N	A1-TW-0001326-22084-N	A1-TW-0001348-22084-N	A1-TW-0001356-22084-N	A1-TW-0001363-22084-N	A1-TW-0001381-22084-N	A1-TW-0001384-22084-N	
		Sample Date:	2022-04-12	2022-04-20	2022-04-11	2022-04-11	2022-04-11	2022-04-12	2022-04-11	2022-04-12	
		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	320	530	340	300	330	320	160	220
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	ND	ND	ND	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	211	ISP	ND	ND	ND	ND	ND	ND	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	2.00	1.90	2.00	1.80	1.90	2.00	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	1.60	1.00	1.70	1.80	1.60	1.60	1.70	1.60
	Copper	1300	MCL	58.5	16.9	40.0	66.7	20.9	30.1	41.4	86.2
	Lead	15	MCL	0.260	ND	ND	0.400	ND	ND	0.480	0.310
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.390	ND	ND	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
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	A1-LOWE1028	A1-LOWE1103	A1-LOWE1115	A1-PALM1812	A1-ROBI1221	A1-ROBI1302	A1-WAIA2392	A1-WAIA2398	
		Location Type:	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1028 Lowell Avenue	1103 Lowell Ave (CDH)	1115 Lowell Avenue	1812 Palm Avenue	1221 Robinson Avenue	1302 Robinson Avenue	2392 Waianiani Court	2398 Waianiani Court	
		Field Sample ID:	A1-TW-0001552-22084-N	A1-TW-0017808-22084-N	A1-TW-0001326-22084-N	A1-TW-0001348-22084-N	A1-TW-0001356-22084-N	A1-TW-0001363-22084-N	A1-TW-0001381-22084-N	A1-TW-0001384-22084-N	
		Sample Date:	2022-04-12	2022-04-20	2022-04-11	2022-04-11	2022-04-11	2022-04-12	2022-04-11	2022-04-12	
		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	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 ID:	A1-LOWE1028	A1-LOWE1103	A1-LOWE1115	A1-PALM1812	A1-ROBI1221	A1-ROBI1302	A1-WAIA2392	A1-WAIA2398
		Location Type:	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1028 Lowell Avenue	1103 Lowell Ave (CDH)	1115 Lowell Avenue	1812 Palm Avenue	1221 Robinson Avenue	1302 Robinson Avenue	2392 Waianiani Court	2398 Waianiani Court
		Field Sample ID:	A1-TW-0001552-22084-N	A1-TW-0017808-22084-N	A1-TW-0001326-22084-N	A1-TW-0001348-22084-N	A1-TW-0001356-22084-N	A1-TW-0001363-22084-N	A1-TW-0001381-22084-N	A1-TW-0001384-22084-N
		Sample Date:	2022-04-12	2022-04-20	2022-04-11	2022-04-11	2022-04-11	2022-04-12	2022-04-11	2022-04-12
		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	--	--	ND	ND	ND	ND	ND	0.510	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	0.510	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-WAIA2410	A1-WAIE7007	A1-WAIK2245	A1-WAIK2266	A1-WAIK2270	
				Location Type:	Residence	Residence	Residence	Residence	Residence	
				Address:	2410 Waianiani Court	7007 Waiea Court	2245 Waikahe Court	2266 Waikahe Court	2270 Waikahe Court	
				Field Sample ID:	A1-TW-0001389-22084-N	A1-TW-0001429-22084-N	A1-TW-0001450-22084-N	A1-TW-0001460-22084-N	A1-TW-0001464-22084-3-N	A1-TW-0001464-22084-N
				Sample Date:	2022-04-11	2022-04-11	2022-04-12	2022-04-19	2022-04-11	2022-04-11
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	350	20.0	330	400	450	450	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.00	1.80	1.80	1.70	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.70	1.80	1.60	0.970	1.70	1.70	1.70
	Copper	1300	MCL	29.3	136	24.4	60.0	40.7	43.3	43.3
	Lead	15	MCL	ND	0.230	0.170	ND	ND	ND	0.130
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.610	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	0.650	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone A1

Notes:
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:	A1-WAIA2410	A1-WAIE7007	A1-WAIK2245	A1-WAIK2266	A1-WAIK2270	
				Location Type:	Residence	Residence	Residence	Residence	Residence	
				Address:	2410 Waianiani Court	7007 Waiea Court	2245 Waikahe Court	2266 Waikahe Court	2270 Waikahe Court	
				Field Sample ID:	A1-TW-0001389-22084-N	A1-TW-0001429-22084-N	A1-TW-0001450-22084-N	A1-TW-0001460-22084-N	A1-TW-0001464-22084-3-N	A1-TW-0001464-22084-N
				Sample Date:	2022-04-11	2022-04-11	2022-04-12	2022-04-19	2022-04-11	2022-04-11
				Sample Type:	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
	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	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
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone A1

Notes:
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:	A1-WAIA2410	A1-WAIE7007	A1-WAIK2245	A1-WAIK2266	A1-WAIK2270	
				Location Type:	Residence	Residence	Residence	Residence	Residence	
				Address:	2410 Waianiani Court	7007 Waiea Court	2245 Waikahe Court	2266 Waikahe Court	2270 Waikahe Court	
				Field Sample ID:	A1-TW-0001389-22084-N	A1-TW-0001429-22084-N	A1-TW-0001450-22084-N	A1-TW-0001460-22084-N	A1-TW-0001464-22084-3-N	A1-TW-0001464-22084-N
				Sample Date:	2022-04-11	2022-04-11	2022-04-12	2022-04-19	2022-04-11	2022-04-11
				Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	1.50	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.580	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	2.00	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Other Buildings in Zone A1

Notes:
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 Information	
				Location ID	Location Type
				A1-BLDG01012	A1-BLDG0989
				Non-Residence	Non-Residence
				Address: Building 1012,NSWG-3 SUPPLY OFFICE & STORAGE	Building 989,AMPHIBIOUS OPERATIONS BLDG
				Field Sample ID: A1-TW-0014253-22084-N	A1-TW-0014235-22084-N
				Sample Date: 2022-04-13	2022-04-14
				Sample Type: N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	220	260
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	80.6
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	80.6
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.40	2.20
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	0.800	0.900
	Copper	1300	MCL	24.8	149
	Lead	15	MCL	0.380	0.220
	Mercury	2	MCL	0.0320	ND
	Selenium	50	MCL	1.10	0.440
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND
	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
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Other Buildings in Zone A1

Notes:
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:	A1-BLDG01012	A1-BLDG0989
Location Type:	Non-Residence	Non-Residence
Address:	Building 1012,NSWG-3 SUPPLY OFFICE & STORAGE	Building 989,AMPHIBIOUS OPERATIONS BLDG
Field Sample ID:	A1-TW-0014253-22084-N	A1-TW-0014235-22084-N
Sample Date:	2022-04-13	2022-04-14
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A1-BLDG01012	A1-BLDG0989
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.00	ND
	Bromoform	--	--	4.50	0.770
	Chloroform	--	--	0.590	ND
	Dibromochloromethane	--	--	4.70	0.760
	Total Trihalomethanes	80	MCL	11.8	1.50

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone A1

Notes:
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:		A1-HYD0402		A1-HYD2253		A1-HYD2254		A1-HYD2431		A1-HYD55B		A1-HYD72	
		Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
		Address:		SA-DFH 57		SA-AFH 35		FH ID: SA-AFH 7		SA-AFH 60		Hydrant 55B		Hydrant 72	
		Field Sample ID:		A1-DL-0016026-22084-3-N		A1-DL-0016026-22084-N		A1-DL-0016024-22084-N		A1-DL-0000510-22084-N		A1-DL-0016023-22084-N		A1-DL-0016025-22084-N	
		Sample Date:		2022-04-11		2022-04-11		2022-04-11		2022-04-11		2022-04-11		2022-04-11	
		Sample Type:		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	550	550	160	530	50.0	400	550					
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND					
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND					
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND	ND	ND					
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND					
	Arsenic	10	MCL	0.560	ND	ND	ND	ND	ND	ND					
	Barium	2000	MCL	4.80	4.80	2.40	2.50	1.20	2.00	1.90					
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND					
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND					
	Chromium	100	MCL	1.70	1.80	1.60	1.70	0.570	1.70	1.70					
	Copper	1300	MCL	7.20	5.10	5.30	6.80	2.30	4.40	3.20					
	Lead	15	MCL	0.190	0.210	0.540	0.280	ND	0.380	0.370					
	Mercury	2	MCL	0.0350	0.0600	0.0390	ND	ND	ND	ND					
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND					
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND					
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND					
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND					
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND					
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND					
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND					
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND					
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND					
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND					

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone A1

Notes:
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:		A1-HYD0402		A1-HYD2253		A1-HYD2254		A1-HYD2431		A1-HYD55B		A1-HYD72			
		Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant			
		Address:		SA-DFH 57		SA-AFH 35		FH ID: SA-AFH 7		SA-AFH 60		Hydrant 55B		Hydrant 72			
		Field Sample ID:		A1-DL-0016026-22084-3-N	A1-DL-0016026-22084-N	A1-DL-0016024-22084-N	A1-DL-0000510-22084-N	A1-DL-0016023-22084-N	A1-DL-0016025-22084-N	A1-DL-0016027-22084-N							
		Sample Date:		2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11							
		Sample Type:		FD (Field Duplicate)	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)	1,2,4-Trichlorobenzene	70	MCL	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	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene	70	MCL	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	
	1,4-Dichlorobenzene	75	MCL	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
	Carbon Tetrachloride	5	MCL	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
	cis-1,2-Dichloroethene	70	MCL	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
	m,p-Xylene	--	--	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
	o-Xylene	--	--	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
	Tetrachloroethene (PCE)	5	MCL	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
	trans-1,2-Dichloroethene	100	MCL	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
	Vinyl chloride	2	MCL	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	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	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	
	Dibromoacetic acid	--	--	ND	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone A1

Notes:
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:		A1-HYD0402		A1-HYD2253		A1-HYD2254		A1-HYD2431		A1-HYD55B		A1-HYD72	
		Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
		Address:		SA-DFH 57		SA-AFH 35		FH ID: SA-AFH 7		SA-AFH 60		Hydrant 55B		Hydrant 72	
		Field Sample ID:		A1-DL-0016026-22084-3-N	A1-DL-0016026-22084-N	A1-DL-0016024-22084-N	A1-DL-0000510-22084-N	A1-DL-0016023-22084-N	A1-DL-0016025-22084-N	A1-DL-0016027-22084-N					
		Sample Date:		2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11	2022-04-11					
		Sample Type:		FD (Field Duplicate)	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)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.930	0.960	1.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	2.30	2.30	6.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	2.20	2.30	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	5.40	5.60	12.1	ND	ND	ND	ND	ND	ND	ND	ND	ND