

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Child Development Centers in Zone C1

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	C1-BLDG0679		C1-BLDG1655	
				Location ID:	Location Type:	Location ID:	Location Type:
				Child Development Center		Child Development Center	
				Building 679,NAVY EDUCATION CENTER		Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	
				C1-TW-0014654-22107-N-1	C1-TW-0014654-22107-N-2	C1-TW-0014751-22107-N-1	C1-TW-0014751-22107-N-2
				2022-05-10	2022-05-10	2022-05-05	2022-05-05
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
				120-260	120-260	430-510	430-510
Field Test (ppb)	Free Chlorine	4000	MCL	120-260	120-260	430-510	430-510
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	0.960	0.860	1.00	1.00
	Copper	1300	MCL	59.5	42.5	19.1	14.8
	Lead	15	MCL	0.440	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	0.560	ND	1.20	0.560
	Thallium	2	MCL	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0679		C1-BLDG1655	
				Location ID:	Location Type:	Location ID:	Location Type:
				Building 679,NAVY EDUCATION CENTER	Child Development Center	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	Child Development Center
				C1-TW-0014654-22107-N-1	C1-TW-0014654-22107-N-2	C1-TW-0014751-22107-N-1	C1-TW-0014751-22107-N-2
				2022-05-10	2022-05-10	2022-05-05	2022-05-05
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0679		C1-BLDG1655	
				Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location ID: C1-BLDG0679 Location Type: Child Development Center Address: Building 679,NAVY EDUCATION CENTER		Location ID: C1-BLDG1655 Location Type: Child Development Center Address: Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	
				C1-TW-0014654-22107-N-1	2022-05-10	C1-TW-0014654-22107-N-2	2022-05-10
				N (Normal)		N (Normal)	
				C1-TW-0014751-22107-N-1	2022-05-05	C1-TW-0014751-22107-N-2	2022-05-05
				N (Normal)		N (Normal)	
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	5.90	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.80	ND	ND	ND
	Total Trihalomethanes	80	MCL	7.70	ND	ND	ND

**Summary of Chemistry Results
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Drinking Water Samples Collected in May 2022 from Other Buildings in Zone C1

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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:	
				C1-BLDG0449	C1-BLDG0489	C1-BLDG0584	C1-BLDG1232	C1-BLDG1272	C1-BLDG1330	C1-BLDG1407		C1-TW-0014683-22107-N	C1-TW-0014689-22107-N	C1-TW-0014693-22107-N	C1-TW-0014708-22107-N
				Non-Residence	Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building				
				Building 449,AUTO VEHICLE SHOP	Building 489,GENERAL WAREHOUSE CVRD	Building 584,CAREER INFORMATION CENTER, 2367 North Rd	Building 1232,PTSG FACILITY	Building 1272,PUBLIC TOILET	Building 1330,EM BARRACKS,ZELINA HALL	Building 1407,MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd					
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)			
Field Test (ppb)	Free Chlorine	4000	MCL	20.0	20.0	30.0	60.0	460	540	490	490				
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	52.7	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	52.7	ND				
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.160	ND	ND	ND	ND				
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Barium	2000	MCL	1.90	2.00	2.60	3.40	1.70	1.90	1.90	2.00				
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Cadmium	5	MCL	ND	0.150	ND	0.0620	ND	ND	ND	ND				
	Chromium	100	MCL	0.580	ND	ND	0.750	0.620	0.920	0.750	0.710				
	Copper	1300	MCL	47.9	0.820	15.7	17.6	5.40	20.5	38.3	37.7				
	Lead	15	MCL	ND	0.360	ND	1.40	0.140	0.260	ND	0.130				
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Selenium	50	MCL	1.60	ND	ND	ND	0.710	ND	0.830	1.10				
Thallium	2	MCL	ND	ND	ND	0.110	ND	ND	ND	ND					
Synthetic Organic Compounds (ppb)	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					
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND					

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Drinking Water Samples Collected in May 2022 from Other Buildings in Zone C1

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				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 449,AUTO VEHICLE SHOP	Building 489,GENERAL WAREHOUSE CVRD	Building 584,CAREER INFORMATION CENTER, 2367 North Rd	Building 1232,PTSG FACILITY	Building 1272,PUBLIC TOILET	Building 1330,EM BARRACKS,ZELINA HALL	Building 1407,MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd	
					C1-TW-0014683-22107-N	C1-TW-0014689-22107-N	C1-TW-0014693-22107-N	C1-TW-0014708-22107-N	C1-TW-0014712-22107-N	C1-TW-0014719-22107-N	C1-TW-0014730-22107-3-N	C1-TW-0014730-22107-N
					2022-05-13	2022-05-05	2022-05-05	2022-05-11	2022-05-06	2022-05-10	2022-05-04	2022-05-04
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
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
	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	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

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				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Medical Building	Non-Residence
					Building 449,AUTO VEHICLE SHOP	Building 489,GENERAL WAREHOUSE CVRD	Building 584,CAREER INFORMATION CENTER, 2367 North Rd	Building 1232,PTSG FACILITY	Building 1272,PUBLIC TOILET	Building 1330,EM BARRACKS,ZELINA HALL	Building 1407,MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd	
					C1-TW-0014683-22107-N	C1-TW-0014689-22107-N	C1-TW-0014693-22107-N	C1-TW-0014708-22107-N	C1-TW-0014712-22107-N	C1-TW-0014719-22107-N	C1-TW-0014730-22107-3-N	C1-TW-0014730-22107-N
					2022-05-13	2022-05-05	2022-05-05	2022-05-11	2022-05-06	2022-05-10	2022-05-04	2022-05-04
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Volatile Organic Compounds (ppb)	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	1.30	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	ND	ND	ND	1.30	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	1.50	ND	4.80	11.6	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.00	ND	1.50	0.650	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	2.50	ND	6.30	12.2	ND	ND	ND	ND	ND

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				Location Type:	Non-Residence	Non-Residence	Medical Building	Medical Building	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 1497,EM BARRACKS, THOMASON HALL	Building 1506,NGIS - NAVY TDY	Building 1514,SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	Building 1535,MEDICAL CLINIC/SARP-PEARL HARBOR, B1535 North Road	Building 1588,TORP RETRIEVER BOATHSE NSSC	Building 1640,RESTROOM FACILITY	Building 1764,LAUNDRY/UTIL-BEQ 1367/1368
				Field Sample ID:	C1-TW-0014735-22107-N	C1-TW-0014737-22107-N	C1-TW-0014738-22107-N	C1-TW-0014739-22107-N	C1-TW-0014745-22107-N	C1-TW-0014749-22107-N	C1-TW-0014776-22107-N
				Sample Date:	2022-05-10	2022-05-05	2022-05-06	2022-05-10	2022-05-05	2022-05-11	2022-05-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	40.0	620	350	370	70.0	370	100	
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	166	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	166	ND
Metals (ppb)	Antimony	6	MCL	0.100	ND	ND	ND	ND	ND	0.170	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.00	2.00	3.20	1.80	2.30	2.40	2.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	0.110	ND
	Chromium	100	MCL	1.10	1.00	0.650	0.920	0.940	1.10	ND	
	Copper	1300	MCL	30.3	20.4	19.3	140	144	149	47.8	
	Lead	15	MCL	0.170	0.250	0.390	ND	ND	0.370	0.750	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	2.00	ND	0.300	0.300	1.40	
Thallium	2	MCL	ND	ND	ND	ND	ND	0.170	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1497	C1-BLDG1506	C1-BLDG1514	C1-BLDG1535	C1-BLDG1588	C1-BLDG1640	C1-BLDG1764			
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
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			
	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				

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Other Buildings in Zone C1

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
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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:	C1-BLDG1497	C1-BLDG1506	C1-BLDG1514	C1-BLDG1535	C1-BLDG1588	C1-BLDG1640	C1-BLDG1764	
		Location Type:	Non-Residence	Non-Residence	Medical Building	Medical Building	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 1497,EM BARRACKS, THOMASON HALL	Building 1506,NGIS - NAVY TDY	Building 1514,SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	Building 1535,MEDICAL CLINIC/SARP-PEARL HARBOR, B1535 North Road	Building 1588,TORP RETRIEVER BOATHSE NSSC	Building 1640,RESTROOM FACILITY	Building 1764,LAUNDRY/UTIL-BEQ 1367/1368	
		Field Sample ID:	C1-TW-0014735-22107-N	C1-TW-0014737-22107-N	C1-TW-0014738-22107-N	C1-TW-0014739-22107-N	C1-TW-0014745-22107-N	C1-TW-0014749-22107-N	C1-TW-0014776-22107-N	
		Sample Date:	2022-05-10	2022-05-05	2022-05-06	2022-05-10	2022-05-05	2022-05-11	2022-05-06	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG1497	C1-BLDG1506	C1-BLDG1514	C1-BLDG1535	C1-BLDG1588	C1-BLDG1640	C1-BLDG1764
Volatile Organic Compounds (ppb)	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
	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	0.520	ND	ND
	Bromoform	--	--	3.80	ND	0.940	ND	2.50	0.590	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.820	ND	ND	ND	1.30	ND	ND
	Total Trihalomethanes	80	MCL	4.60	ND	0.940	ND	4.30	0.590	ND

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone C1

Notes:
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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:	C1-HYD1183		C1-HYD1765	C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817	
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: 512		FH ID: FH 503	FHID: 563	FHID: 479	FHID: 413	FHID: 530A	
		Field Sample ID:	C1-DL-0000531-22107 -3-N	C1-DL-0000531-22107 -N	C1-DL-0000526-22107 -N	C1-DL-0017789-22107 -N	C1-DL-0017791-22107 -N	C1-DL-0017788-22107 -N	C1-DL-0017790-22107 -N	
		Sample Date:	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	
		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							
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	50.0	430	460	220	370	190
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	65.2	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	65.2	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	9.20	9.20	1.90	2.30	2.10	3.50	3.40
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.890	0.940	0.940	0.960	0.920	0.990	1.00
	Copper	1300	MCL	4.80	4.00	7.30	5.50	7.20	1.50	1.50
	Lead	15	MCL	3.20	2.90	5.30	0.950	1.20	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.450	0.850	1.20	0.450	ND	0.860	0.600
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 C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone C1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C1-HYD1183		C1-HYD1765	C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817
				Location Type: Hydrant	Address: FH ID: 512	Hydrant FH ID: FH 503	Hydrant FHID: 563	Hydrant FHID: 479	Hydrant FHID: 413	Hydrant FHID: 530A
				Field Sample ID: C1-DL-0000531-22107-3-N	C1-DL-0000531-22107-N	C1-DL-0000526-22107-N	C1-DL-0017789-22107-N	C1-DL-0017791-22107-N	C1-DL-0017788-22107-N	C1-DL-0017790-22107-N
				Sample Date: 2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05
				Sample Type: FD (Field Duplicate)	N (Normal)	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
	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	1.10	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone C1

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		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: 512		FH ID: FH 503	FHID: 563	FHID: 479	FHID: 413	FHID: 530A
		Field Sample ID:	C1-DL-0000531-22107-3-N	C1-DL-0000531-22107-N	C1-DL-0000526-22107-N	C1-DL-0017789-22107-N	C1-DL-0017791-22107-N	C1-DL-0017788-22107-N	C1-DL-0017790-22107-N
		Sample Date:	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05	2022-05-05
		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
	Total Haloacetic acids	60	MCL	ND	1.10	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	1.10	1.10	ND	ND	0.930	0.580
	Bromoform	--	--	7.60	7.00	ND	1.00	2.50	3.50
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	2.10	1.80	ND	0.950	2.10	1.60
	Total Trihalomethanes	80	MCL	10.8	9.80	ND	2.00	5.50	5.70