

**Summary of Chemistry Results**  
**Zone C1 Post Residential and Non-Residential Flushing Data**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples Collected During Emergency Response in January to March 2022 from Locations in Zone C1**

<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
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		Location ID:	C1-BLDG0417	C1-BLDG0444	C1-BLDG0479	C1-BLDG0490	C1-BLDG0550	C1-BLDG0584	C1-BLDG0654	C1-BLDG0661	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	Non-Residence	Non-Residence	
		Address:	Building 417,IMF RIGGER DIVER SHOP, 2656 Kuahua Ave	Building 444,WAREHOUSE, 2525 Kuahua Ave	Building 479,WAREHOUSE GENERAL DEPOT, 1025 Quincy St	Building 490,GENERAL WAREHOUSE CVRD,	Building 550,NAVFAC PAC GPMO, B550 Arizona St	Building 584,CAREER INFORMATION CENTER, 2367 North Rd	Building 654,BEQ/PAQUET HALL/GALLEY, 655 Cromwell Cir	Building 661,ADMINISTRATIO N BUILDING, 661 Morton St	
		Field Sample ID:	220131C1AT04	220131C1AT03	220128C1DT05	220131C1AT05	220128C1DT03	220128C1BT06	220128C1CT01	220128C1DT04	
		Sample Date:	2022-01-31	2022-01-31	2022-01-28	2022-01-31	2022-01-28	2022-01-28	2022-01-28	2022-01-28	
		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	C1-BLDG0417	C1-BLDG0444	C1-BLDG0479	C1-BLDG0490	C1-BLDG0550	C1-BLDG0584	C1-BLDG0654	C1-BLDG0661
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	1620	1680	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
Arsenic		10	MCL	ND	ND	ND	ND	0.500	ND	ND	ND
Barium		2000	MCL	2.10	2.50	1.90	2.30	4.00	2.60	2.10	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	1.50	0.430	1.20	1.80	ND	0.700	1.20	1.40
Copper		1300	MCL	50.0	4.30	109	39.0	3.10	20.8	36.7	19.0
Lead		15	MCL	0.200	0.550	0.180	0.140	0.600	0.240	ND	0.200
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	0.100	ND	ND	0.100	
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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG0417	C1-BLDG0444	C1-BLDG0479	C1-BLDG0490	C1-BLDG0550	C1-BLDG0584	C1-BLDG0654	C1-BLDG0661
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	Non-Residence	Non-Residence
				Address:	Building 417,IMF RIGGER DIVER SHOP, 2656 Kuahua Ave	Building 444,WAREHOUSE, 2525 Kuahua Ave	Building 479,WAREHOUSE GENERAL DEPOT, 1025 Quincy St	Building 490,GENERAL WAREHOUSE CVRD,	Building 550,NAVFAC PAC GPMO, B550 Arizona St	Building 584,CAREER INFORMATION CENTER, 2367 North Rd	Building 654,BEQ/PAQUET HALL/GALLEY, 655 Cromwell Cir	Building 661,ADMINISTRATIO N BUILDING, 661 Morton St
				Field Sample ID:	220131C1AT04	220131C1AT03	220128C1DT05	220131C1AT05	220128C1DT03	220128C1BT06	220128C1CT01	220128C1DT04
				Sample Date:	2022-01-31	2022-01-31	2022-01-28	2022-01-31	2022-01-28	2022-01-28	2022-01-28	2022-01-28
				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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0662		C1-BLDG0667	C1-BLDG0680	C1-BLDG0718	C1-BLDG1323	C1-BLDG1335	C1-BLDG1514																																					
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:															
				C1-BLDG0662	Non-Residence	Building 662,NGIS - NAVY TDY (LOCKWOOD HALL), 1366 Dealey Cir	220128C1BT07	2022-01-28	N (Normal)	220130C1CT06	2022-01-30	N (72 Hour Stagnation)	C1-BLDG0667	Non-Residence	Building 667,MWR PIER SIDE FITNESS CENTER	220128C1CT03	2022-01-28	N (Normal)	C1-BLDG0680	Non-Residence	Building 680, JBPHH Federal FIRE STATION, B680 Nimitz St	220128C1CT02	2022-01-28	N (Normal)	C1-BLDG0718	Non-Residence	Building 718,LAUNDRY-BOQ 1729, 1260 Pierce St	220130C1CT02	2022-01-30	N (72 Hour Stagnation)	C1-BLDG1323	Non-Residence	Building 1323,GABRUNAS BEQ BLDG A	220131C1AT06	2022-01-31	N (Normal)	C1-BLDG1335	Non-Residence	Building 1335,EastM. BARRACKS, DALWITZ HALL	220128C1CT04	2022-01-28	N (Normal)	C1-BLDG1514	Medical Building	Building 1514,SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	220128C1BT05	2022-01-28	N (Normal)
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	1620	ND	1940	ND	1700	1640	ND	1560																																					
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	1.80	1.90	2.10	1.80	2.00	2.00	3.50																																					
	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	1.40	1.10	1.30	1.30	1.50	1.40	1.50																																					
	Copper	1300	MCL	35.9	34.9	58.8	18.9	53.1	26.0	36.9	24.7																																					
	Lead	15	MCL	0.520	ND	ND	0.170	0.340	0.160	ND	1.30																																					
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND																																					
	Selenium	50	MCL	ND	1.00	ND	ND	1.20	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																																					

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				Location Type: Non-Residence		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address: Building 662,NGIS - NAVY TDY (LOCKWOOD HALL), 1366 Dealey Cir		Building 667,MWR PIER SIDE FITNESS CENTER	Building 680, JBPHH Federal FIRE STATION, B680 Nimitz St	Building 718,LAUNDRY-BOQ 1729, 1260 Pierce St	Building 1323,GABRUNAS BEQ BLDG A	Building 1335,EastM. BARRACKS, DALWITZ HALL	Building 1514,SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd
				Field Sample ID: 220128C1BT07	220130C1CT06	220128C1CT03	220128C1CT02	220130C1CT02	220131C1AT06	220128C1CT04	220128C1BT05
				Sample Date: 2022-01-28	2022-01-30	2022-01-28	2022-01-28	2022-01-30	2022-01-31	2022-01-28	2022-01-28
				Sample Type: N (Normal)	N (72 Hour Stagnation)	N (Normal)	N (Normal)	N (72 Hour Stagnation)	N (Normal)	N (Normal)	N (Normal)
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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1655					C1-BLDG2186		C1-HYD1183
				Location Type:	Child Development Center					Non-Residence		Hydrant
				Address:	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd					Building 2186,NEX MINI-MART HOLOMOKU, 1477 North Rd		FH ID: 512
				Field Sample ID:	220128C1AT09	220127C1KT01	220127C1LT01	C1-TW-0014751-22057-N	C1-TW-0014751-22057-N-R1	220131C1AT01	220131C1AT02	20220105-C1-ZT03
				Sample Date:	2022-01-28	2022-01-27	2022-01-27	2022-02-26	2022-02-26	2022-01-31	2022-01-31	2022-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	1800	540	ND	--	--	ND	1790	--	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	52.0	63.0	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	--	--	ND	ND	ND	
	Petroleum Hydrocarbons, Total	211	ISP	ND	52.0	63.0	--	--	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	1.70	2.00	1.80	1.80	2.00	2.10	1.90	--	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	--	
	Cadmium	5	MCL	ND	0.0320	ND	ND	ND	ND	ND	--	
	Chromium	100	MCL	1.50	2.00	1.70	1.80	2.00	1.60	1.60	--	
	Copper	1300	MCL	53.5	260	17.0	41.0	119	110	110	--	
	Lead	15	MCL	ND	49.0 §	0.150	0.160	0.240	0.460	0.330	--	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	--	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	--	
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	--		
Synthetic Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	--	--	--	--	--	--	--	ND	
	1,2-Dichlorobenzene	600	MCL	--	--	--	--	--	--	--	ND	
	1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	ND	
	1,4-Dichlorobenzene	75	MCL	--	--	--	--	--	--	--	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	--	--	ND	ND	--	
	2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1655					C1-BLDG2186		C1-HYD1183
				Location Type:	Child Development Center					Non-Residence		Hydrant
				Address:	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd					Building 2186,NEX MINI-MART HOLOMOKU, 1477 North Rd		FH ID: 512
				Field Sample ID:	220128C1AT09	220127C1KT01	220127C1LT01	C1-TW-0014751-22057-N	C1-TW-0014751-22057-N-R1	220131C1AT01	220131C1AT02	20220105-C1-ZT03
				Sample Date:	2022-01-28	2022-01-27	2022-01-27	2022-02-26	2022-02-26	2022-01-31	2022-01-31	2022-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Synthetic Organic Compounds (ppb)	2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	ND
	2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	--	--	ND	ND	--	--
	2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND
	3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	ND
	3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND
	4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	ND
	4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	ND
	4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	ND
	4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND
	Acenaphthene	--	--	--	--	--	--	--	--	--	--	ND
	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	ND
	Anthracene	--	--	--	--	--	--	--	--	--	--	ND
	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	--	--	ND	ND	--	ND
	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	ND
	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	ND
	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	ND
	Benzyl butyl phthalate	--	--	--	--	--	--	--	--	--	--	ND
	Bis(2-chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	ND
	Bis(2-chloroethyl) ether (2-Chloroethyl ether)	--	--	--	--	--	--	--	--	--	--	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	--	--	ND	ND	--	ND

**Summary of Chemistry Results**  
**Zone C1 Post Residential and Non-Residential Flushing Data**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1655					C1-BLDG2186		C1-HYD1183
				Location Type:	Child Development Center					Non-Residence		Hydrant
				Address:	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd					Building 2186,NEX MINI-MART HOLOMOKU, 1477 North Rd		FH ID: 512
				Field Sample ID:	220128C1AT09	220127C1KT01	220127C1LT01	C1-TW-0014751-22057-N	C1-TW-0014751-22057-N-R1	220131C1AT01	220131C1AT02	20220105-C1-ZT03
				Sample Date:	2022-01-28	2022-01-27	2022-01-27	2022-02-26	2022-02-26	2022-01-31	2022-01-31	2022-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Synthetic Organic Compounds (ppb)	Carbazole	--	--	--	--	--	--	--	--	--	--	ND
	Chrysene	--	--	--	--	--	--	--	--	--	--	ND
	Cresols, m- & p-	--	--	--	--	--	--	--	--	--	--	0.140
	Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	ND
	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	ND
	Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	ND
	Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	ND
	di-n-Butyl phthalate	--	--	--	--	--	--	--	--	--	--	ND
	di-n-Octyl phthalate	--	--	--	--	--	--	--	--	--	--	ND
	Fluoranthene	--	--	--	--	--	--	--	--	--	--	ND
	Fluorene	--	--	--	--	--	--	--	--	--	--	ND
	Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	ND
	Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	ND
	Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	ND
	Hexachloroethane	--	--	--	--	--	--	--	--	--	--	ND
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	ND
	Isophorone	--	--	--	--	--	--	--	--	--	--	ND
	Naphthalene	17	EAL	ND	ND	ND	--	--	ND	ND	--	ND
	Nitrobenzene	--	--	--	--	--	--	--	--	--	--	ND
	N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	ND
	N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	ND
	Phenanthrene	--	--	--	--	--	--	--	--	--	--	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1655					C1-BLDG2186		C1-HYD1183
				Location Type:	Child Development Center					Non-Residence		Hydrant
				Address:	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd					Building 2186,NEX MINI-MART HOLOMOKU, 1477 North Rd		FH ID: 512
				Field Sample ID:	220128C1AT09	220127C1KT01	220127C1LT01	C1-TW-0014751-22057-N	C1-TW-0014751-22057-N-R1	220131C1AT01	220131C1AT02	20220105-C1-ZT03
				Sample Date:	2022-01-28	2022-01-27	2022-01-27	2022-02-26	2022-02-26	2022-01-31	2022-01-31	2022-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Synthetic Organic Compounds (ppb)	Pyrene	--	--	--	--	--	--	--	--	--	--	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	--	--	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	--	--	ND	ND	ND	ND
	1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--	ND
	1,1-Dichloroethene	7	MCL	ND	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	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	--
	2-Butanone (MEK)	--	--	--	--	--	--	--	--	--	--	ND
	2-Hexanone	--	--	--	--	--	--	--	--	--	--	ND
	4-Methyl-2-pentanone (MIBK)	--	--	--	--	--	--	--	--	--	--	ND
	Acetone	--	--	--	--	--	--	--	--	--	--	ND
	Benzene	5	MCL	ND	ND	ND	--	--	ND	ND	ND	ND
Bromomethane	--	--	--	--	--	--	--	--	--	--	ND	
Carbon disulfide	--	--	--	--	--	--	--	--	--	--	ND	
Carbon Tetrachloride	5	MCL	ND	ND	ND	--	--	ND	ND	ND	ND	
Chlorobenzene	100	MCL	ND	ND	ND	--	--	ND	ND	ND	ND	
Chloroethane	--	--	--	--	--	--	--	--	--	--	ND	



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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1655					C1-BLDG2186		C1-HYD1183
				Location Type:	Child Development Center					Non-Residence		Hydrant
				Address:	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd					Building 2186,NEX MINI-MART HOLOMOKU, 1477 North Rd		FH ID: 512
				Field Sample ID:	220128C1AT09	220127C1KT01	220127C1LT01	C1-TW-0014751-22057-N	C1-TW-0014751-22057-N-R1	220131C1AT01	220131C1AT02	20220105-C1-ZT03
				Sample Date:	2022-01-28	2022-01-27	2022-01-27	2022-02-26	2022-02-26	2022-01-31	2022-01-31	2022-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Volatile Organic Compounds (ppb)	Chloromethane	--	--	--	--	--	--	--	--	--	--	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	--	--	ND	ND	ND	ND
	cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	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
	trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	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
Trihalomethanes (ppb)	Bromodichloromethane	--	--	--	--	--	--	--	--	--	--	ND
	Bromoform	--	--	--	--	--	--	--	--	--	--	4.10
	Chloroform	--	--	--	--	--	--	--	--	--	--	ND
	Dibromochloromethane	--	--	--	--	--	--	--	--	--	--	ND
	Total Trihalomethanes	80	MCL	--	--	--	--	--	--	--	--	4.10

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		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:	220203C1ZT03	20220106-C1-ZT06	220117-C1-XT06	220117-C1-XT02	220117-C1-XT03	220117-C1-XT01
		Sample Date:	2022-02-03	2022-01-06	2022-01-17	2022-01-17	2022-01-17	2022-01-17
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	--	311	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	--	ND	ND	ND	94.0
	Petroleum Hydrocarbons (as Gasoline)	--	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	--	ND	ND	180	ND
	Petroleum Hydrocarbons, Total	211	ISP	--	ND	ND	180	94.0
Metals (ppb)	Antimony	6	MCL	--	ND	ND	ND	ND
	Arsenic	10	MCL	--	ND	0.175	0.249	0.287
	Barium	2000	MCL	--	3.96	1.93	2.15	3.16
	Beryllium	4	MCL	--	ND	ND	ND	ND
	Cadmium	5	MCL	--	ND	ND	ND	ND
	Chromium	100	MCL	--	1.51	1.30	1.09	1.39
	Copper	1300	MCL	--	2.58	2.62	16.3	0.877
	Lead	15	MCL	--	0.906	0.362	1.19	ND
	Mercury	2	MCL	--	ND	ND	ND	ND
	Selenium	50	MCL	--	ND	0.891	1.06	1.25
Thallium	2	MCL	--	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	--	--	--	--
	1,2-Dichlorobenzene	600	MCL	ND	--	--	--	--
	1,3-Dichlorobenzene	--	--	ND	--	--	--	--
	1,4-Dichlorobenzene	75	MCL	ND	--	--	--	--
	1-Methylnaphthalene	10	EAL	--	ND	ND	ND	ND
	2,4,5-Trichlorophenol	--	--	ND	--	--	--	--
	2,4,6-Trichlorophenol	--	--	ND	--	--	--	--
	2,4-Dichlorophenol	--	--	ND	--	--	--	--
2,4-Dimethylphenol	--	--	ND	--	--	--	--	

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		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:	220203C1ZT03	20220106-C1-ZT06	220117-C1-XT06	220117-C1-XT02	220117-C1-XT03	220117-C1-XT01	
		Sample Date:	2022-02-03	2022-01-06	2022-01-17	2022-01-17	2022-01-17	2022-01-17	
		Sample Type:	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-HYD1183	C1-HYD1765	C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817
Synthetic Organic Compounds (ppb)	2,4-Dinitrophenol	--	--	ND	--	--	--	--	--
	2,4-Dinitrotoluene	--	--	ND	--	--	--	--	--
	2,6-Dinitrotoluene	--	--	ND	--	--	--	--	--
	2-Chloronaphthalene	--	--	ND	--	--	--	--	--
	2-Chlorophenol	--	--	ND	--	--	--	--	--
	2-Ethylhexyl adipate	--	--	--	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	--	ND	ND	0.00915	ND	ND
	2-Methylphenol (o-Cresol)	--	--	ND	--	--	--	--	--
	2-Nitroaniline	--	--	ND	--	--	--	--	--
	3,3'-Dichlorobenzidine	--	--	ND	--	--	--	--	--
	3-Nitroaniline	--	--	ND	--	--	--	--	--
	4,6-Dinitro-2-methylphenol	--	--	ND	--	--	--	--	--
	4-Bromophenyl phenyl ether	--	--	ND	--	--	--	--	--
	4-Chloro-3-methylphenol	--	--	ND	--	--	--	--	--
	4-Chloroaniline	--	--	ND	--	--	--	--	--
	4-Chlorophenyl phenyl ether	--	--	ND	--	--	--	--	--
	4-Nitroaniline	--	--	ND	--	--	--	--	--
	4-Nitrophenol	--	--	ND	--	--	--	--	--
	Acenaphthene	--	--	ND	--	--	--	--	--
	Acenaphthylene	--	--	ND	--	--	--	--	--
	Alachlor	--	--	--	ND	ND	ND	ND	ND
Anthracene	--	--	ND	--	--	--	--	--	
Atrazine	--	--	--	ND	ND	ND	ND	ND	
Benzo(a)anthracene	--	--	ND	--	--	--	--	--	
Benzo(a)pyrene	0.2	MCL	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-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:	220203C1ZT03	20220106-C1-ZT06	220117-C1-XT06	220117-C1-XT02	220117-C1-XT03	220117-C1-XT01
				Sample Date:	2022-02-03	2022-01-06	2022-01-17	2022-01-17	2022-01-17	2022-01-17
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Synthetic Organic Compounds (ppb)	Benzo(b)fluoranthene	--	--	ND	--	--	--	--	--	--
	Benzo(g,h,i)perylene	--	--	ND	--	--	--	--	--	--
	Benzo(k)fluoranthene	--	--	ND	--	--	--	--	--	--
	Benzyl butyl phthalate	--	--	ND	--	--	--	--	--	--
	Bis(2-chloroethoxy)methane	--	--	ND	--	--	--	--	--	--
	Bis(2-chloroethyl) ether (2-Chloroethyl ether)	--	--	ND	--	--	--	--	--	--
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbazole	--	--	ND	--	--	--	--	--	--
	Chlordane	--	--	--	ND	ND	ND	ND	ND	ND
	Chrysene	--	--	ND	--	--	--	--	--	--
	Cresols, m- & p-	--	--	ND	--	--	--	--	--	--
	Dibenz(a,h)anthracene	--	--	ND	--	--	--	--	--	--
	Dibenzofuran	--	--	ND	--	--	--	--	--	--
	Diethyl phthalate	--	--	ND	--	--	--	--	--	--
	Dimethyl phthalate	--	--	ND	--	--	--	--	--	--
	di-n-Butyl phthalate	--	--	ND	--	--	--	--	--	--
	di-n-Octyl phthalate	--	--	ND	--	--	--	--	--	--
	Endrin	--	--	--	ND	ND	ND	ND	ND	ND
	Fluoranthene	--	--	ND	--	--	--	--	--	--
	Fluorene	--	--	ND	--	--	--	--	--	--
	gamma-BHC (Lindane)	--	--	--	ND	ND	ND	ND	ND	ND
Heptachlor	--	--	--	ND	ND	ND	ND	ND	ND	
Heptachlor epoxide	--	--	--	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	--	--	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	--	--	ND	--	--	--	--	--	--	

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		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:	220203C1ZT03	20220106-C1-ZT06	220117-C1-XT06	220117-C1-XT02	220117-C1-XT03	220117-C1-XT01
		Sample Date:	2022-02-03	2022-01-06	2022-01-17	2022-01-17	2022-01-17	2022-01-17
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Synthetic Organic Compounds (ppb)	Hexachlorocyclopentadiene	--	--	ND	ND	ND	ND	ND
	Hexachloroethane	--	--	ND	--	--	--	--
	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	--	--
	Isophorone	--	--	ND	--	--	--	--
	Methoxychlor	--	--	--	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	Nitrobenzene	--	--	ND	--	--	--	--
	N-Nitrosodi-n-propylamine	--	--	ND	--	--	--	--
	N-Nitrosodiphenylamine	--	--	ND	--	--	--	--
	PCB, Total	--	--	--	ND	ND	ND	ND
	PCB-1016 (Aroclor 1016)	--	--	--	ND	ND	ND	ND
	PCB-1221 (Aroclor 1221)	--	--	--	ND	ND	ND	ND
	PCB-1232 (Aroclor 1232)	--	--	--	ND	ND	ND	ND
	PCB-1242 (Aroclor 1242)	--	--	--	ND	ND	ND	ND
	PCB-1248 (Aroclor 1248)	--	--	--	ND	ND	ND	ND
	PCB-1254 (Aroclor 1254)	--	--	--	ND	ND	ND	ND
	PCB-1260 (Aroclor 1260)	--	--	--	ND	ND	ND	ND
	Pentachlorophenol	1	MCL	ND	ND	ND	ND	ND
	Phenanthrene	--	--	ND	--	--	--	--
	Phenol	--	--	ND	--	--	--	--
	Pyrene	--	--	ND	--	--	--	--
Simazine	--	--	--	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
	1,1-Dichloroethane	7	MCL	--	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone C1 Post Residential and Non-Residential Flushing Data**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples Collected During Emergency Response in January to March 2022 from Locations in Zone C1**

<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:	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:	220203C1ZT03	20220106-C1-ZT06	220117-C1-XT06	220117-C1-XT02	220117-C1-XT03	220117-C1-XT01
				Sample Date:	2022-02-03	2022-01-06	2022-01-17	2022-01-17	2022-01-17	2022-01-17
				Sample Type:	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
	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	