

**Summary of Chemistry Results
Zone C2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Residences in Zone C2

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
				C2-HALE4545	C2-PAUL4576
				Residence	Residence
				Address: 4545 Hale Alii Avenue	4576 Paul Hamilton Avenue
				Field Sample ID: C2-TW-0015741-22167-N	C2-TW-0015742-22167-N
				Sample Date: 2022-10-05	2022-07-14
				Sample Type: N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	140	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	72.9	96.6
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	72.9	96.6
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	0.750
	Barium	2000	MCL	2.00	2.20
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	2.00	1.40
	Copper	1300	MCL	17.1	11.6
	Lead	15	MCL	0.180	ND
	Mercury	2	MCL	0.0370	ND
	Selenium	50	MCL	ND	1.30
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

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				Location ID	Location Type
				C2-HALE4545	C2-PAUL4576
				Residence	Residence
				Address: 4545 Hale Alii Avenue	4576 Paul Hamilton Avenue
				Field Sample ID: C2-TW-0015741-22167-N	C2-TW-0015742-22167-N
				Sample Date: 2022-10-05	2022-07-14
				Sample Type: N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND
	Vinyl chloride	2	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND

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				Location ID	Location Type
				C2-HALE4545	C2-PAUL4576
				Residence	Residence
				4545 Hale Alii Avenue	4576 Paul Hamilton Avenue
				C2-TW-0015741-22167-N	C2-TW-0015742-22167-N
				2022-10-05	2022-07-14
				N (Normal)	N (Normal)
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	--	--	ND	ND
	Bromoform	--	--	0.530	1.20
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	0.480	1.30
	Total Trihalomethanes	80	MCL	1.01	2.50

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Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone C2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C2-BLDG0068	C2-BLDG0150	C2-BLDG0273	C2-BLDG0279		C2-BLDG0283	C2-BLDG0546	C2-BLDG1282
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence		Non-Residence	Non-Residence	Non-Residence
				Address:	Building 68,CENTRAL MAINTENANCE (X06)	Building 150,ADMINISTRATIVE OFFICE, 850 Ticonderoga St	Building 273,CHINFO-NPASE CENTER	Building 279,NAVAL RESERVE CENTER		Building 283,CBMU 303 TOOL ROOM/PROJECT MATERIAL, 157 7th St	Building 546,NGIS - NAVY TDY (HALE ALII)	Building 1282,LATRINE/QUICK FIELD/-MAR BKS
				Field Sample ID:	C2-TW-0014798-22167-N	C2-TW-0014800-22167-N	C2-TW-0014868-22167-N	C2-TW-0014871-22167-3-N	C2-TW-0014871-22167-N	C2-TW-0014874-22167-N	C2-TW-0014892-22167-N	C2-TW-0014901-22167-N
				Sample Date:	2022-11-03	2022-10-04	2022-10-04	2022-09-29	2022-09-29	2022-11-01	2022-10-04	2022-07-14
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	70.0	440	50.0	70.0	70.0	120	510	170	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	59.2	ND	ND	ND	ND	64.3	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	59.2	ND	ND	ND	ND	64.3	ND	
Metals (ppb)	Antimony	6	MCL	0.160	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.690	
	Barium	2000	MCL	2.00	1.90	2.30	3.90	3.80	1.60	2.10	5.10	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	1.60	ND	ND	
	Chromium	100	MCL	2.00	1.80	1.10	1.80	1.80	0.910	1.80	1.30	
	Copper	1300	MCL	45.0	21.2	135	110	110	16.2	67.3	16.8	
	Lead	15	MCL	ND	ND	0.620	ND	ND	0.660	1.20	0.160	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	1.40	
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	0.740	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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C2-BLDG0068	C2-BLDG0150	C2-BLDG0273	C2-BLDG0279		C2-BLDG0283	C2-BLDG0546	C2-BLDG1282		
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
				Non-Residence	Building 68,CENTRAL MAINTENANCE (X06)	Building 150,ADMINISTRATIVE OFFICE, 850 Ticonderoga St	Building 273,CHINFO-NPASE CENTER	Building 279,NAVAL RESERVE CENTER		Building 283,CBMU 303 TOOL ROOM/PROJECT MATERIAL, 157 7th St	Building 546,NGIS - NAVY TDY (HALE ALII)	Building 1282,LATRINE/QUICK FIELD/-MAR BKS		
				C2-TW-0014798-22167-N	C2-TW-0014800-22167-N	C2-TW-0014868-22167-N	C2-TW-0014871-22167-3-N	C2-TW-0014871-22167-N	C2-TW-0014874-22167-N	C2-TW-0014892-22167-N	C2-TW-0014901-22167-N			
				2022-11-03	2022-10-04	2022-10-04	2022-09-29	2022-09-29	2022-11-01	2022-10-04	2022-07-14			
				N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)			
				ND	ND	ND	ND	ND	ND	ND	ND			
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
	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:	C2-BLDG0068	C2-BLDG0150	C2-BLDG0273	C2-BLDG0279		C2-BLDG0283	C2-BLDG0546	C2-BLDG1282		
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
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	1.50	1.60	ND	ND	1.10	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	1.50	1.60	ND	ND	1.10	ND		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.400	ND	0.260	0.480	0.470	ND	0.260	1.10	ND		
	Bromoform	--	--	1.20	0.360	2.30	6.50	5.90	ND	2.10	7.20	ND		
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Dibromochloromethane	--	--	1.00	ND	0.810	2.00	2.10	ND	0.830	3.60	ND		
	Total Trihalomethanes	80	MCL	2.60	0.360	3.37	8.98	8.47	ND	3.19	11.9	ND		

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C2-BLDG1424	C2-BLDG1427	C2-BLDG1474	C2-BLDG1600	C2-BLDG1673	C2-BLDG1750	C2-BLDG1752	C2-BLDG371B
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 1424,TREATMENT BLDG-IWTC	Building 1427,CNE LOCKER	Building 1474,LUNCH/LOCKER ROOM	Building 1600,CHAPEL	Building 1673,TRANSPORTATION OPERATIONS	Building 1750,SHIPYARD MEDICAL CLINIC-PEARL HARBOR, 490 Central Ave	Building 1752,BEQ TRANSIENT	Building 371B,UEM SHOP / ENVIRONMENTAL REMEDIATION STOR
					C2-TW-0014907-22167-N	C2-TW-0014910-22167-N	C2-TW-0014809-22167-N	C2-TW-0014818-22167-N	C2-TW-0014827-22167-N	C2-TW-0014833-22167-N	C2-TW-0014834-22167-N	C2-TW-0014843-22167-N
					2022-11-01	2022-07-14	2022-10-04	2022-07-14	2022-10-04	2022-08-22	2022-11-02	2022-11-01
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	700	20.0	60.0	20.0	110	50.0	470	340	
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	59.9	51.1	ND	ND	95.5	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	55.6	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	59.9	51.1	ND	ND	151	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.110	
	Arsenic	10	MCL	ND	0.590	ND	0.660	ND	ND	ND	ND	
	Barium	2000	MCL	6.20	6.30	6.50	2.00	6.40	2.30	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	2.40	1.20	1.80	1.30	1.80	1.50	2.20	2.20	
	Copper	1300	MCL	24.8	5.20	10.5	150	60.4	102	55.1	11.4	
	Lead	15	MCL	0.180	0.180	0.150	ND	0.440	ND	0.990	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	0.310	ND	ND	0.990	ND	ND	ND	0.410	
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	0.440	
Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND		

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				C2-BLDG1424	C2-BLDG1427	C2-BLDG1474	C2-BLDG1600	C2-BLDG1673	C2-BLDG1750	C2-BLDG1752	C2-BLDG371B
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	
				Address:	Address:	Address:	Address:	Address:	Address:	Address:	
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	
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 (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

**Summary of Chemistry Results
Zone C2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone C2

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
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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:	C2-BLDG1424	C2-BLDG1427	C2-BLDG1474	C2-BLDG1600	C2-BLDG1673	C2-BLDG1750	C2-BLDG1752	C2-BLDG371B
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	Non-Residence	Non-Residence
				Address:	Building 1424,TREATMENT BLDG-IWTC	Building 1427,CNE LOCKER	Building 1474,LUNCH/LOCKER ROOM	Building 1600,CHAPEL	Building 1673,TRANSPORTATION OPERATIONS	Building 1750,SHIPYARD MEDICAL CLINIC-PEARL HARBOR, 490 Central Ave	Building 1752,BEQ TRANSIENT	Building 371B,UEM SHOP / ENVIRONMENTAL REMEDIATION STOR
				Field Sample ID:	C2-TW-0014907-22167-N	C2-TW-0014910-22167-N	C2-TW-0014809-22167-N	C2-TW-0014818-22167-N	C2-TW-0014827-22167-N	C2-TW-0014833-22167-N	C2-TW-0014834-22167-N	C2-TW-0014843-22167-N
				Sample Date:	2022-11-01	2022-07-14	2022-10-04	2022-07-14	2022-10-04	2022-08-22	2022-11-02	2022-11-01
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	--	--	1.50	ND	0.600	ND	1.30	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.50	ND	0.600	ND	1.30	ND	ND	ND	ND
	Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.620	ND	ND	ND	0.570	ND	ND	ND
Bromoform		--	--	8.70	9.10	7.40	0.830	11.2	ND	0.400	0.580	
Chloroform		--	--	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane		--	--	2.10	1.40	1.20	ND	2.40	ND	0.330	0.520	
Total Trihalomethanes		80	MCL	11.4	10.5	8.60	0.830	14.2	ND	0.730	1.10	

**Summary of Chemistry Results
Zone C2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone C2

Notes:
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant 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:	C2-HYD1230		C2-HYD2089	C2-HYD421	C2-HYD424	C2-HYD650	C2-HYD656	C2-HYD660	
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	C2-FH209B		C2-FH204	C2-FH246	FH ID: 315	Hydrant 268	Hydrant 301	Hydrant 303	
		Field Sample ID:	C2-DL-0017792-22167-3-N	C2-DL-0017792-22167-N	C2-DL-0017795-22167-N	C2-DL-0017796-22167-N	C2-DL-0000534-22167-N	C2-DL-0017794-22167-N	C2-DL-0017793-22167-N	C2-DL-0017797-22167-N	
		Sample Date:	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	
		Sample Type:	FD (Field Duplicate)	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	100	100	900	440	350	580	150	260
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	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.150	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.70	3.60	3.10	1.90	1.90	2.30	1.50	2.10
	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	1.80	1.90	1.60	1.80	1.70	1.80	1.30	1.70
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone C2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone C2

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N (Normal) = Full compliance sample
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		Location ID:	C2-HYD1230		C2-HYD2089	C2-HYD421	C2-HYD424	C2-HYD650	C2-HYD656	C2-HYD660
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	C2-FH209B		C2-FH204	C2-FH246	FH ID: 315	Hydrant 268	Hydrant 301	Hydrant 303
		Field Sample ID:	C2-DL-0017792-22167 -3-N	C2-DL-0017792-22167 -N	C2-DL-0017795-22167 -N	C2-DL-0017796-22167 -N	C2-DL-0000534-22167 -N	C2-DL-0017794-22167 -N	C2-DL-0017793-22167 -N	C2-DL-0017797-22167 -N
		Sample Date:	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28
		Sample Type:	FD (Field Duplicate)	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)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	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
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	0.880	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	0.880	ND	ND	ND	ND

**Summary of Chemistry Results
Zone C2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone C2

Notes:
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C2-HYD1230		C2-HYD2089	C2-HYD421	C2-HYD424	C2-HYD650	C2-HYD656	C2-HYD660									
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:
				C2-DL-0017792-22167-3-N	C2-DL-0017792-22167-N	C2-DL-0017795-22167-N	C2-DL-0017796-22167-N	C2-DL-0000534-22167-N	C2-DL-0017794-22167-N	C2-DL-0017793-22167-N	C2-DL-0017797-22167-N									
				2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28	2022-09-28									
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)									
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.300	0.370	ND	ND	ND	0.330	ND	ND									
	Bromoform	--	--	2.70	3.10	7.60	ND	ND	0.990	0.690	ND									
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND									
	Dibromochloromethane	--	--	1.40	1.50	0.900	ND	0.250	0.880	ND	ND									
	Total Trihalomethanes	80	MCL	4.40	4.97	8.50	ND	0.250	2.20	0.690	ND									