

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

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

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
				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)
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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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)
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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C2-HALE4545	C2-PAUL4576
				Location Type:	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)
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	

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

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				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)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
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	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	59.2	ND	ND	ND	ND	64.3	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	59.2	ND	ND	ND	ND	64.3	ND	ND
Metals (ppb)	Antimony	6	MCL	0.160	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.690	ND
	Barium	2000	MCL	2.00	1.90	2.30	3.90	3.80	1.60	2.10	5.10	ND
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	1.60	ND	ND	ND
	Chromium	100	MCL	2.00	1.80	1.10	1.80	1.80	0.910	1.80	1.30	ND
	Copper	1300	MCL	45.0	21.2	135	110	110	16.2	67.3	16.8	ND
	Lead	15	MCL	ND	ND	0.620	ND	ND	0.660	1.20	0.160	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	1.40	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	0.740	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	

Drinking Water Samples collected in June-October 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:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
					Non-Residence	Non-Residence	Non-Residence	Non-Residence		Non-Residence	Non-Residence	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	ND		
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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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)
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	ND	1.10
	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	ND	1.10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.400	ND	0.260	0.480	0.470	ND	0.260	1.10	
	Bromoform	--	--	1.20	0.360	2.30	6.50	5.90	ND	2.10	7.20	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	1.00	ND	0.810	2.00	2.10	ND	0.830	3.60	
	Total Trihalomethanes	80	MCL	2.60	0.360	3.37	8.98	8.47	ND	3.19	11.9	

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		Location ID:	C2-BLDG1424	C2-BLDG1427	C2-BLDG1474	C2-BLDG1600	C2-BLDG1673	C2-BLDG371B	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	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 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-0014843-22167-N	
		Sample Date:	2022-11-01	2022-07-14	2022-10-04	2022-07-14	2022-10-04	2022-11-01	
		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						
Field Test (ppb)	Free Chlorine	4000	MCL	700	20.0	60.0	20.0	110	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	59.9	51.1	95.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	55.6
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	59.9	51.1	151
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.110
	Arsenic	10	MCL	ND	0.590	ND	0.660	ND	ND
	Barium	2000	MCL	6.20	6.30	6.50	2.00	6.40	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.40	1.20	1.80	1.30	1.80	2.20
	Copper	1300	MCL	24.8	5.20	10.5	150	60.4	11.4
	Lead	15	MCL	0.180	0.180	0.150	ND	0.440	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.310	ND	ND	0.990	ND	0.410
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	0.440
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND

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				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	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 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-0014843-22167-N
				Sample Date:	2022-11-01	2022-07-14	2022-10-04	2022-07-14	2022-10-04	2022-11-01
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	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	

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

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

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EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	C2-BLDG1424	C2-BLDG1427	C2-BLDG1474	C2-BLDG1600	C2-BLDG1673	C2-BLDG371B
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		Address:	Building 1424,TREATMENT BLDG-IWTC	Building 1427,CNE LOCKER	Building 1474,LUNCH/LOCKE R ROOM	Building 1600,CHAPEL	Building 1673,TRANSPORTATI ON OPERATIONS	Building 371B,UEM SHOP / ENVIRONMENTAL REMEDATION 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-0014843- 22167-N
		Sample Date:	2022-11-01	2022-07-14	2022-10-04	2022-07-14	2022-10-04	2022-11-01
		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					
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	1.50	ND	0.600	ND	1.30
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.50	ND	0.600	ND	1.30
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.620	ND	ND	ND	0.570
	Bromoform	--	--	8.70	9.10	7.40	0.830	11.2
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	2.10	1.40	1.20	ND	2.40
	Total Trihalomethanes	80	MCL	11.4	10.5	8.60	0.830	14.2

Drinking Water Samples collected in June-October 2022 from Medical Buildings in Zone C2

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

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

Location ID:	C2-BLDG1750
Location Type:	Medical Building
Address:	Building 1750,SHIPYARD MEDICAL CLINIC- PEARL HARBOR, 490 Central Ave
Field Sample ID:	C2-TW-0014833- 22167-N
Sample Date:	2022-08-22
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	50.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.30
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.50
	Copper	1300	MCL	102
	Lead	15	MCL	ND
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
Thallium	2	MCL	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND

Drinking Water Samples collected in June-October 2022 from Medical Buildings in Zone C2

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

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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-BLDG1750
Location Type:	Medical Building
Address:	Building 1750,SHIPYARD MEDICAL CLINIC- PEARL HARBOR, 490 Central Ave
Field Sample ID:	C2-TW-0014833- 22167-N
Sample Date:	2022-08-22
Sample Type:	N (Normal)

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

Summary of Chemistry Results
 Zone C2 Long Term Monitoring
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Location ID:	C2-BLDG1750
Location Type:	Medical Building
Address:	Building 1750,SHIPYARD MEDICAL CLINIC- PEARL HARBOR, 490 Central Ave
Field Sample ID:	C2-TW-0014833- 22167-N
Sample Date:	2022-08-22
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND
	Xylenes, Total	10000	MCL	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND
	Chloroacetic acid	--	--	ND
	Dibromoacetic acid	--	--	ND
	Dichloroacetic acid	--	--	ND
	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	ND
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	ND

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

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

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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								
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

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

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

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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

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

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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									