

**Summary of Chemistry Results  
Zone C3 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 C3**

<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

<b>Location ID:</b>	C3-CROM4945
<b>Location Type:</b>	Residence
<b>Address:</b>	4945 Crommelin Street
<b>Field Sample ID:</b>	C3-TW-0015746-22167-N
<b>Sample Date:</b>	2022-11-10
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	190
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	2.10
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.90
	Copper	1300	MCL	34.7
	Lead	15	MCL	ND
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND
	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND
	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND

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<b>Sample Date:</b>	2022-11-10
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND
	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
	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

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<b>Location ID:</b>	C3-CROM4945
<b>Location Type:</b>	Residence
<b>Address:</b>	4945 Crommelin Street
<b>Field Sample ID:</b>	C3-TW-0015746-22167-N
<b>Sample Date:</b>	2022-11-10
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.660
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	0.540
	Total Trihalomethanes	80	MCL	1.20

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**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone C3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C3-BLDG0009	C3-BLDG0011	C3-BLDG003A	C3-BLDG0066	C3-BLDG0072	C3-BLDG0090	C3-BLDG009A	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 9,NUCLEAR REPAIR SHOP	Building 11,RADIOLOGICAL CONTROL BLDG	Building 3A,PIPEFITTING SHOP	Building 66,SHIPS SPARE STORAGE FACILITY	Building 72,SHEETMETAL SHOP (X17)	Building 90,NAVAL REACTOR REPRESENTATIVE	Building 9A,NUCLEAR REPAIR	
					C3-TW-0015036-22167-N	C3-TW-0015037-22167-N	C3-TW-0015043-22167-N	C3-TW-0014918-22167-N	C3-TW-0014921-22167-N	C3-TW-0014923-22167-N	C3-TW-0014925-22167-3-N	C3-TW-0014925-22167-N
					2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-09-22	2022-09-22
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	450	410	480	610	360	60.0	120	120	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	119	ND	55.1	ND	ND	ND	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	119	ND	55.1	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.740	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.60	2.10	2.00	2.00	1.80	1.90	1.70	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.0670	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.60	1.90	1.80	1.80	1.90	1.80	1.60	1.70	
	Copper	1300	MCL	104	36.6	64.5	53.8	23.6	73.7	188	215	
	Lead	15	MCL	0.210	0.270	0.390	1.50	0.160	ND	ND	ND	ND
	Mercury	2	MCL	0.160	0.140	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.760	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C3-BLDG0009	C3-BLDG0011	C3-BLDG003A	C3-BLDG0066	C3-BLDG0072	C3-BLDG0090	C3-BLDG009A	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:
				Non-Residence	Building 9,NUCLEAR REPAIR SHOP	Building 11,RADIOLOGICAL CONTROL BLDG	Building 3A,PIPEFITTING SHOP	Building 66,SHIPS SPARE STORAGE FACILITY	Building 72,SHEETMETAL SHOP (X17)	Building 90,NAVAL REACTOR REPRESENTATIVE	Building 9A,NUCLEAR REPAIR	
				C3-TW-0015036-22167-N	C3-TW-0015037-22167-N	C3-TW-0015043-22167-N	C3-TW-0014918-22167-N	C3-TW-0014921-22167-N	C3-TW-0014923-22167-N	C3-TW-0014925-22167-N	C3-TW-0014925-22167-3-N	C3-TW-0014925-22167-N
				2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-09-22	2022-09-22
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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
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

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				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 9,NUCLEAR REPAIR SHOP	Building 11,RADIOLOGICAL CONTROL BLDG	Building 3A,PIPEFITTING SHOP	Building 66,SHIPS SPARE STORAGE FACILITY	Building 72,SHEETMETAL SHOP (X17)	Building 90,NAVAL REACTOR REPRESENTATIVE	Building 9A,NUCLEAR REPAIR	
				Field Sample ID:	C3-TW-0015036-22167-N	C3-TW-0015037-22167-N	C3-TW-0015043-22167-N	C3-TW-0014918-22167-N	C3-TW-0014921-22167-N	C3-TW-0014923-22167-N	C3-TW-0014925-22167-3-N	C3-TW-0014925-22167-N
				Sample Date:	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-11-09	2022-09-22	2022-09-22
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.430	0.430	0.870	ND	ND	0.930	0.910	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.400	0.450	0.360	ND	0.340	0.470	0.440	
	Total Trihalomethanes	80	MCL	ND	0.830	0.880	1.23	ND	0.340	1.40	1.35	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C3-BLDG0129	C3-BLDG0208	C3-BLDG044A	C3-BLDG067A	C3-BLDG1454		C3-BLDG155A	C3-BLDG2193		
				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 129,RADIOACTIVE WASTE STORAGE FAC	Building 208,PRODUCTION MEETING ROOM	Building 44A,SHIP REPAIR PROJECT TEAM FAC	Building 67A,INSIDE MACHINE SHOP (X31)	Building 1454,RADCON TRAINING BLDG		Building 155A,SHIPFITTERS (X11)	Building 2193,PRODUCTION SUPPORT BLDG WEST		
					C3-TW-0014927-22167-N	C3-TW-0014945-22167-N	C3-TW-0014956-22167-N	C3-TW-0014959-22167-N	C3-TW-0014980-22167-3-N	C3-TW-0014980-22167-N	C3-TW-0014988-22167-N	C3-TW-0015000-22167-N		
					2022-11-09	2022-11-09	2022-09-22	2022-09-22	2022-11-09	2022-11-09	2022-09-22	2022-09-22		
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)		
Field Test (ppb)	Free Chlorine	4000	MCL	260	230	50.0	320	100	100	80.0	90.0			
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND			
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	100	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	100	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	2.00	2.20	2.10	2.00	2.10	2.10	2.30	2.30			
	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	1.90	1.80	1.60	1.70	1.90	1.90	1.60	1.70			
	Copper	1300	MCL	180	49.3	45.8	111	173	191	193	50.1			
	Lead	15	MCL	0.570	ND	ND	ND	1.10	1.20	ND	0.230			
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND			
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND			
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND			
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND			

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C3-BLDG0129	C3-BLDG0208	C3-BLDG044A	C3-BLDG067A	C3-BLDG1454		C3-BLDG155A	C3-BLDG2193		
				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)	1,1,2-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	0.350		
	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	0.350			



**Summary of Chemistry Results  
Zone C3 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 C3**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
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All Results shown in Parts per Billion (ppb)
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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:	C3-BLDG0129	C3-BLDG0208	C3-BLDG044A	C3-BLDG067A	C3-BLDG1454		C3-BLDG155A	C3-BLDG2193		
				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	0.530	ND	ND	ND	ND	ND	ND	1.60		
	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	0.530	ND	ND	ND	ND	ND	ND	1.60		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.280	0.610	ND	0.310	ND	ND	ND	0.640			
	Bromoform	--	--	1.00	1.90	1.50	1.40	0.790	0.670	ND	4.10			
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND			
	Dibromochloromethane	--	--	0.780	1.50	0.630	0.860	0.510	0.550	ND	1.90			
	Total Trihalomethanes	80	MCL	2.06	4.01	2.13	2.57	1.30	1.22	ND	6.64			

**Summary of Chemistry Results  
Zone C3 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 C3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C3-HYD430	C3-HYD433
Field Test (ppb)	Free Chlorine	4000	MCL	270	30.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.1	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	55.1	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.30	11.5
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.90	0.660
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	0.370
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	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
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND

**Summary of Chemistry Results  
Zone C3 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 C3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C3-HYD430	C3-HYD433
				Location ID: C3-HYD430	C3-HYD433
				Location Type: Hydrant	Hydrant
				Address: FH ID: 128	FH ID: 1112
				Field Sample ID: C3-DL-0000535-22167-N	C3-DL-0000516-22167-N
				Sample Date: 2022-11-09	2022-11-09
				Sample Type: N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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	0.500
	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
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND

**Summary of Chemistry Results  
 Zone C3 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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ND = Not Detected
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C3-HYD430	C3-HYD433
				Location ID: C3-HYD430	Location ID: C3-HYD433
				Location Type: Hydrant	Location Type: Hydrant
				Address: FH ID: 128	Address: FH ID: 1112
				Field Sample ID: C3-DL-0000535-22167-N	Field Sample ID: C3-DL-0000516-22167-N
				Sample Date: 2022-11-09	Sample Date: 2022-11-09
				Sample Type: N (Normal)	Sample Type: N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.390	ND
	Bromoform	--	--	1.90	ND
	Chloroform	--	--	ND	0.310
	Dibromochloromethane	--	--	1.20	ND
	Total Trihalomethanes	80	MCL	3.49	0.310