

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-November 2023 from Other Buildings in Zone C3

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 ID:	Location ID:	Location ID:
				C3-BLDG0011	C3-BLDG0155	C3-BLDG0208
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 11,RADIOLOGICAL CONTROL BLDG	Building 155,STRUCTURAL & FABRICATION	Building 208,PRODUCTION MEETING ROOM
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				C3-TW-0015037- 23162-N-T	C3-TW-0014937- 23162-N-T	C3-TW-0014945- 23162-N-T
				Sample Date:	Sample Date:	Sample Date:
				2023-10-18	2023-09-06	2023-09-06
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	200	20.0	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	88.2	55.1	57.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	88.2	55.1	57.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	1.10	0.960
	Barium	2000	MCL	2.00	1.90	2.20
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	ND	0.720	0.720
	Copper	1300	MCL	18.9	227	24.7
	Lead	15	MCL	ND	0.470	0.150
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	1.10	2.60	2.00
Thallium	2	MCL	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND

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				C3-BLDG0011	C3-BLDG0155	C3-BLDG0208
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building	Building	Building
				11,RADIOLOGICAL CONTROL BLDG	155,STRUCTURAL & FABRICATION	208,PRODUCTION MEETING ROOM
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				C3-TW-0015037-23162-N-T	C3-TW-0014937-23162-N-T	C3-TW-0014945-23162-N-T
				Sample Date:	Sample Date:	Sample Date:
				2023-10-18	2023-09-06	2023-09-06
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND

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		Location ID:	C3-BLDG0011	C3-BLDG0155	C3-BLDG0208	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 11,RADIOLOGICAL CONTROL BLDG	Building 155,STRUCTURAL & FABRICATION	Building 208,PRODUCTION MEETING ROOM	
		Field Sample ID:	C3-TW-0015037- 23162-N-T	C3-TW-0014937- 23162-N-T	C3-TW-0014945- 23162-N-T	
		Sample Date:	2023-10-18	2023-09-06	2023-09-06	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	0.490	1.30	0.970
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.390	0.520	0.700
	Total Trihalomethanes	80	MCL	0.880	1.82	1.67

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C3-HYD1026		C3-HYD2298
				Location Type: Hydrant	Hydrant	Hydrant
				Address: FH ID: 230		FH ID: 177
				Field Sample ID: C3-DL-0000538-23162-N	C3-DL-0000538-23162-3-N	C3-DL-0017798-23162-N
				Sample Date: 2023-09-06	2023-09-06	2023-10-18
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	120	120	260
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	89.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	89.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	0.900	0.980	ND
	Barium	2000	MCL	2.00	2.00	3.10
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	0.640	0.750	ND
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	2.40	2.50	1.50
	Thallium	2	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C3-HYD1026			Location ID: C3-HYD2298					
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type			
				Hydrant			Hydrant					
				FH ID: 230			FH ID: 177					
				C3-DL-0000538-23162-N	2023-09-06	N (Normal)	C3-DL-0000538-23162-3-N	2023-09-06	FD (Field Duplicate)	C3-DL-0017798-23162-N	2023-10-18	N (Normal)
Volatile Organic Compounds (ppb)	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	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	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: C3-HYD1026		C3-HYD2298
				Location Type: Hydrant		Hydrant
				Address: FH ID: 230		FH ID: 177
				Field Sample ID:	C3-DL-0000538-23162 -N	C3-DL-0000538-23162 -3-N
				Sample Date:	2023-09-06	2023-09-06
				Sample Type:	N (Normal)	FD (Field Duplicate)
				Field Sample ID:	C3-DL-0017798-23162 -N	C3-DL-0017798-23162 -N
				Sample Date:	2023-10-18	2023-10-18
				Sample Type:	N (Normal)	N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.260
	Bromoform	--	--	0.910	0.860	1.20
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.560	0.510	0.790
	Total Trihalomethanes	80	MCL	1.47	1.37	2.25