

Summary of Chemistry Results
 Zone G1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - April 2023 from Other Buildings in Zone G1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:
				G1-BLDG0001	G1-BLDG0004	G1-BLDG001A	G1-BLDG002AA	G1-BLDG003B
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:	Address:	Address:
				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 Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Field Test (ppb)	Free Chlorine	4000	MCL	370	180	300	320	20.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	57.0	64.3	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	57.0	64.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.770	ND	ND	ND
	Barium	2000	MCL	3.80	2.30	2.70	2.80	2.40
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	2.20	1.70	0.680	0.540
	Copper	1300	MCL	98.0	43.2	23.3	33.6	129
	Lead	15	MCL	0.240	0.140	0.390	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	1.60	0.870
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	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	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	G1-BLDG0001	G1-BLDG0004	G1-BLDG001A	G1-BLDG002AA	G1-BLDG003B
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 1, TELEPHONE EXCHANGE BLDG	Building 4, REG/INST EMER OPS CTR	Building 1A, ADMINISTRATIVE OFFICE	Building 2AA, ADMINISTRATIVE OFFICE	Building 3B, ADMINISTRATIVE OFFICE
				Field Sample ID:	G1-TW-0017519-22332-N	G1-TW-0017520-22332-N	G1-TW-0017540-22332-N	G1-TW-0017545-22332-N	G1-TW-0017550-22332-N
				Sample Date:	2023-04-04	2023-03-28	2023-04-04	2023-04-28	2023-04-28
				Sample Type:	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
	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	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:																				
				G1-BLDG0001	G1-BLDG0004	G1-BLDG001A	G1-BLDG002AA	G1-BLDG003B	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Building 1, TELEPHONE EXCHANGE BLDG	Building 4, REG/INST EMER OPS CTR	Building 1A, ADMINISTRATIVE OFFICE	Building 2AA, ADMINISTRATIVE OFFICE	Building 3B, ADMINISTRATIVE OFFICE	G1-TW-0017519-22332-N	G1-TW-0017520-22332-N	G1-TW-0017540-22332-N	G1-TW-0017545-22332-N	G1-TW-0017550-22332-N	2023-04-04	2023-03-28	2023-04-04	2023-04-28	2023-04-28	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	2.50	ND	ND	ND	ND	ND																				
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND																				
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND																				
	Total Haloacetic acids	60	MCL	2.50	ND	ND	ND	ND	ND																				
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.650	ND	ND	ND	ND	ND																				
	Bromoform	--	--	9.40	1.30	2.60	0.880	2.00																					
	Chloroform	--	--	ND	ND	ND	ND	ND	ND																				
	Dibromochloromethane	--	--	2.70	0.580	0.950	0.450	0.420																					
	Total Trihalomethanes	80	MCL	12.8	1.88	3.55	1.33	2.42																					

**Summary of Chemistry Results
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Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone G1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Field Sample ID	Sample Date	Sample Type
				Location ID:	G1-HYD879	
				Location Type:	Hydrant	
				Address:	FH ID: 3	
				Field Sample ID:	G1-DL-0000616-22332-3-N	G1-DL-0000616-22332-N
				Sample Date:	2023-02-17	2023-02-17
				Sample Type:	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	270	270	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	
	Arsenic	10	MCL	ND	ND	
	Barium	2000	MCL	2.50	2.40	
	Beryllium	4	MCL	ND	ND	
	Cadmium	5	MCL	ND	ND	
	Chromium	100	MCL	1.60	1.70	
	Mercury	2	MCL	ND	ND	
	Selenium	50	MCL	ND	ND	
	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	

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Field Sample ID:	G1-DL-0000616-22332-3-N	G1-DL-0000616-22332-N
Sample Date:	2023-02-17	2023-02-17
Sample Type:	FD (Field Duplicate)	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
	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
Chloroacetic acid		--	--	ND	ND
Dibromoacetic acid		--	--	ND	ND
Dichloroacetic acid		--	--	ND	ND
Trichloroacetic acid		--	--	ND	ND
Total Haloacetic acids		60	MCL	ND	ND

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Sample Date:	2023-02-17	2023-02-17
Sample Type:	FD (Field Duplicate)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	1.20	1.10
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	0.630	0.570
	Total Trihalomethanes	80	MCL	1.83	1.67