

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 - June 2023 from Other Buildings in Zone G1

<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
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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	G1-BLDG0501
				Location Type:	Non-Residence	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	Building 501, COMMUNITY REC CTR
				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	G1-TW-0017535-22332-N
				Sample Date:	2023-04-04	2023-03-28	2023-04-04	2023-04-28	2023-04-28	2023-05-02
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	370	180	300	320	20.0	60.0	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	57.0	64.3	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	57.0	64.3	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.200	
	Arsenic	10	MCL	ND	0.770	ND	ND	ND	ND	
	Barium	2000	MCL	3.80	2.30	2.70	2.80	2.40	4.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.80	2.20	1.70	0.680	0.540	1.90	
	Copper	1300	MCL	98.0	43.2	23.3	33.6	129	76.6	
	Lead	15	MCL	0.240	0.140	0.390	ND	ND	0.430	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	1.60	0.870	ND	
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	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	

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				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	Building 501, COMMUNITY REC CTR
				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	G1-TW-0017535-22332-N
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				Sample Type:	N (Normal)	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	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	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		<b>Sample Date:</b>	2023-04-04	2023-03-28	2023-04-04	2023-04-28	2023-04-28	2023-05-02
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>					
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	2.50	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	2.50	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.650	ND	ND	ND	0.300
	Bromoform	--	--	9.40	1.30	2.60	0.880	2.00
	Chloroform	--	--	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

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**Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone G1**

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<b>Location ID:</b>	G1-HYD879	
<b>Location Type:</b>	Hydrant	
<b>Address:</b>	FH ID: 3	
<b>Field Sample ID:</b>	G1-DL-0000616-22332-3-N	G1-DL-0000616-22332-N
<b>Sample Date:</b>	2023-02-17	2023-02-17
<b>Sample Type:</b>	FD (Field Duplicate)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	270	270
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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<b>Sample Date:</b>	2023-02-17	2023-02-17
<b>Sample Type:</b>	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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<b>Sample Date:</b>	2023-02-17	2023-02-17
<b>Sample Type:</b>	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