

Summary of Chemistry Results
Zone G1 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 G1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action 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-BLDG0005	G1-BLDG0080	G1-BLDG0081	G1-BLDG0500	G1-BLDG0601
				Location Type: Non-Residence	Location Type: Non-Residence	Location Type: Non-Residence	Location Type: Non-Residence	Location Type: Non-Residence
				Address: Building 5,INDOPACOM	Address: Building 80, REG/INST EMER OPS CTR	Address: Building 81, ADMINISTRATIVE OFFICE	Address: Building 500,INDOPACOM	Address: Building 601, SEC BUILDING
				Field Sample ID: G1-TW-0015395-23147-N	Field Sample ID: G1-TW-0017523-23147-N	Field Sample ID: G1-TW-0017524-23147-N	Field Sample ID: G1-TW-0015397-23147-N	Field Sample ID: G1-TW-0017537-23147-N
				Sample Date: 2023-08-23	Sample Date: 2023-10-27	Sample Date: 2023-10-27	Sample Date: 2023-10-27	Sample Date: 2023-10-27
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	180	110	320	250	90.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	89.4	ND	91.2	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	78.0	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	89.4	ND	169	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.70	2.90	8.50	3.00	8.20
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.940	0.660	0.780	ND	0.630
	Copper	1300	MCL	21.2	42.4	34.9	20.2	23.6
	Lead	15	MCL	ND	0.330	0.560	0.480	0.310
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.920	3.60	1.90	ND	4.00
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	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
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND

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				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:
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	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-BLDG0005	G1-BLDG0080	G1-BLDG0081	G1-BLDG0500	G1-BLDG0601	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Building 5,INDOPACOM	Building 80, REG/INST EMER OPS CTR	Building 81, ADMINISTRATIVE OFFICE	Building 500,INDOPACOM	Building 601, SEC BUILDING	G1-TW-0015395-23147-N	G1-TW-0017523-23147-N	G1-TW-0017524-23147-N	G1-TW-0015397-23147-N	G1-TW-0017537-23147-N	2023-08-23	2023-10-27	2023-10-27	2023-10-27	2023-10-27	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	0.950	0.970	2.30	ND	1.20																					
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND																					
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND																					
	Total Haloacetic acids	60	MCL	0.950	0.970	2.30	ND	1.20																					
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.730	0.290	0.760	0.360	0.320																					
	Bromoform	--	--	4.70	3.80	10.5	3.50	5.30																					
	Chloroform	--	--	ND	ND	ND	ND	ND																					
	Dibromochloromethane	--	--	2.80	1.50	3.20	1.30	1.30																					
	Total Trihalomethanes	80	MCL	8.23	5.59	14.5	5.16	6.92																					

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

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

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		Location ID: G1-HYD879				
		Location Type: Hydrant				
		Address: FH ID: 3				
		Field Sample ID:	G1-DL-0000616-23147-N	G1-DL-0000616-23147-3-N	G1-DL-0000616-23147-N-R1	
		Sample Date:	2023-07-27	2023-07-27	2023-11-09	
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Field Test (ppb)	Free Chlorine	4000	MCL	170	170	330
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	77.3	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	77.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.40	2.40	3.00
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	0.620	0.690	0.990
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	2.00	2.20	2.60
	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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		Location ID: G1-HYD879				
		Location Type: Hydrant				
		Address: FH ID: 3				
		Field Sample ID: G1-DL-0000616-23147-N	G1-DL-0000616-23147-3-N	G1-DL-0000616-23147-N-R1		
		Sample Date: 2023-07-27	2023-07-27	2023-11-09		
		Sample Type: N (Normal)	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	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
Chloroacetic acid		--	--	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	0.770
Dichloroacetic acid		--	--	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	0.770

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		Location ID:		G1-HYD879		
		Location Type:		Hydrant		
		Address:		FH ID: 3		
		Field Sample ID:		G1-DL-0000616-23147-N	G1-DL-0000616-23147-3-N	G1-DL-0000616-23147-N-R1
		Sample Date:		2023-07-27	2023-07-27	2023-11-09
		Sample Type:		N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.370
	Bromoform	--	--	1.80	1.70	2.10
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.930	0.920	1.30
	Total Trihalomethanes	80	MCL	2.73	2.62	3.77