

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

**Drinking Water Samples Collected in March 2022 from Residences 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
N (Grab, Resample) = Additional follow-up sample

		Location ID: G1-ANDE0761		G1-BAUG2173		
		Location Type: Residence		Residence		
		Address: 761 Anderson Road		2173 Baugh Road		
		Field Sample ID: G1-TW-0009360-22062-3-N	G1-TW-0009360-22062-N	G1-TW-0009365-22062-N		
		Sample Date: 2022-03-18	2022-03-18	2022-03-18		
		Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Field Test (ppb)	Free Chlorine	4000	MCL	90.0	90.0	120
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	510
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	3.60	3.50	5.50
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	0.940	1.20	0.950
	Copper	1300	MCL	13.0	13.7	13.8
	Lead	15	MCL	0.410	0.420	0.800
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND
	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: G1-ANDE0761			Location ID: G1-BAUG2173		
				Residence			Residence		
				Address: 761 Anderson Road			2173 Baugh Road		
				Field Sample ID: G1-TW-0009360-22062-3-N			G1-TW-0009360-22062-N		
				Sample Date: 2022-03-18			2022-03-18		
				Sample Type: FD (Field Duplicate)			N (Normal)		
Volatile Organic Compounds (ppb)	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	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	
	Dibromoacetic acid	--	--	1.30	1.40	2.10			
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: G1-ANDE0761		Location ID: G1-BAUG2173
				Location Type: Residence		Location Type: Residence
				Address: 761 Anderson Road		Address: 2173 Baugh Road
				Field Sample ID: G1-TW-0009360-22062-3-N	Field Sample ID: G1-TW-0009360-22062-N	Field Sample ID: G1-TW-0009365-22062-N
				Sample Date: 2022-03-18	Sample Date: 2022-03-18	Sample Date: 2022-03-18
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.30	1.40	2.10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.600
	Bromoform	--	--	4.80	4.60	6.90
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	1.60	1.60	2.20
	Total Trihalomethanes	80	MCL	6.40	6.20	9.70

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

**Drinking Water Samples Collected in March 2022 from Other Buildings in Zone G1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				G1-BLDG0020C	G1-BLDG003B	G1-BLDG0501
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 20C, ADMINISTRATIVE OFFICE	Building 3B, ADMINISTRATIVE OFFICE	Building 501, COMMUNITY REC CTR
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				G1-TW-0017543- 22062-N	G1-TW-0017550- 22062-N	G1-TW-0017535- 22062-N
				Sample Date:	Sample Date:	Sample Date:
				2022-03-17	2022-03-17	2022-03-17
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	240	250	1000
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	650	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.90	2.70	5.00
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.50	1.60	1.70
	Copper	1300	MCL	82.8	39.2	58.9
	Lead	15	MCL	0.990	0.540	0.190
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND
	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	0.680	0.610	0.630
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND

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**Drinking Water Samples Collected in March 2022 from Other Buildings in Zone G1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				G1-BLDG0020C	G1-BLDG003B	G1-BLDG0501
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 20C, ADMINISTRATIVE OFFICE	Building 3B, ADMINISTRATIVE OFFICE	Building 501, COMMUNITY REC CTR
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				G1-TW-0017543-22062-N	G1-TW-0017550-22062-N	G1-TW-0017535-22062-N
				Sample Date:	Sample Date:	Sample Date:
				2022-03-17	2022-03-17	2022-03-17
				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	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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				G1-BLDG0020C	G1-BLDG003B	G1-BLDG0501
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 20C, ADMINISTRATIVE OFFICE	Building 3B, ADMINISTRATIVE OFFICE	Building 501, COMMUNITY REC CTR
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				G1-TW-0017543-22062-N	G1-TW-0017550-22062-N	G1-TW-0017535-22062-N
				Sample Date:	Sample Date:	Sample Date:
				2022-03-17	2022-03-17	2022-03-17
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	1.20
	Dichloroacetic acid	--	--	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	1.20
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	1.40	0.900	3.40
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.870	0.670	1.50
	Total Trihalomethanes	80	MCL	2.30	1.60	4.90

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

**Drinking Water Samples Collected in March 2022 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-0000616-22062-N
<b>Sample Date:</b>	2022-03-17
<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	90.0
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	211	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	3.50
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.40
	Copper	1300	MCL	3.50
	Lead	15	MCL	0.330
	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	0.460
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>Location ID:</b>	G1-HYD879
<b>Location Type:</b>	Hydrant
<b>Address:</b>	FH ID: 3
<b>Field Sample ID:</b>	G1-DL-0000616-22062-N
<b>Sample Date:</b>	2022-03-17
<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	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	--	--	1.10
	Dichloroacetic acid	--	--	ND

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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-0000616-22062-N
<b>Sample Date:</b>	2022-03-17
<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	1.10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	4.30
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	1.80
	Total Trihalomethanes	80	MCL	6.10