

Summary of Chemistry Results
Zone H1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June 2023 from Residences in Zone H1

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
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N (Grab, Resample) = Additional follow-up sample

				Location ID:	H1-KAHO6106		H1-KOBA4445
				Location Type:	Residence		Residence
				Address:	6106 Kahoohanohano Street		4445 Kobashigawa Street
				Field Sample ID:	H1-TW-0012953-23147-3-A-T	H1-TW-0012953-23147-A-T	H1-TW-0013012-23147-A-T
				Sample Date:	2023-06-28	2023-06-28	2023-06-28
				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	390	390	640	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.5	60.4	59.9	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	61.5	60.4	59.9	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	
	Barium	2000	MCL	1.50	1.50	1.70	
	Beryllium	4	MCL	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	
	Chromium	100	MCL	2.40	2.30	2.40	
	Copper	1300	MCL	16.0	15.4	18.5	
	Lead	15	MCL	0.320	0.310	1.80	
	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	

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				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
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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				Sample Date:	2023-06-28	2023-06-28	2023-06-28
				Sample Type:	FD (Field Duplicate)	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	0.530	ND	
	Bromoform	--	--	0.780	4.30	0.650	
	Chloroform	--	--	ND	ND	ND	
	Dibromochloromethane	--	--	0.470	2.10	0.530	
	Total Trihalomethanes	80	MCL	1.25	6.93	1.18	

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Drinking Water Samples collected in June 2023 from Child Development Centers in Zone H1

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				Location ID:	H1-BLDG1783		H1-BLDG1795	
				Location Type:	Child Development Center		Child Development Center	
				Address:	Building 1783,CDC - Under 6 years		Building 1795,Youth Activities Center	
				Field Sample ID:	H1-TW-0017684-23147-A-1-T	H1-TW-0017684-23147-A-2	H1-TW-0017687-23147-A-1	H1-TW-0017687-23147-A-2-T
				Sample Date:	2023-06-28	2023-06-28	2023-06-28	2023-06-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Field Test (ppb)	Free Chlorine	4000	MCL	50.0-550	50.0-550	20.0-360	20.0-360	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.0	60.5	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	58.0	60.5	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	1.60	1.60	2.70	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	2.40	2.40	2.40	2.40	
	Copper	1300	MCL	39.3	60.3	212	499	
	Lead	15	MCL	0.460	0.930	0.860	1.40	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	
	Thallium	2	MCL	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	0.420	ND	0.470	ND	
	Naphthalene	17	EAL	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	

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				Location ID:	H1-BLDG1783		H1-BLDG1795	
				Location Type:	Child Development Center		Child Development Center	
				Address:	Building 1783,CDC - Under 6 years		Building 1795,Youth Activities Center	
				Field Sample ID:	H1-TW-0017684-23147-A-1-T	H1-TW-0017684-23147-A-2	H1-TW-0017687-23147-A-1	H1-TW-0017687-23147-A-2-T
				Sample Date:	2023-06-28	2023-06-28	2023-06-28	2023-06-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	
	Bromoacetic acid	--	--	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	

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		Sample Date:		2023-06-28	2023-06-28	2023-06-28	2023-06-28
		Sample Type:		N (Normal)	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	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	ND	0.900	0.760	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.560	0.600	ND
	Total Trihalomethanes	80	MCL	ND	1.46	1.36	ND