

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone H2**

<b>Notes:</b>
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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		Location ID:	H2-CROS6505	H2-CROS6514	H2-CROS6544	H2-KOBA4451	H2-KOBA4455	H2-MAHO5465	H2-MAHO5471	H2-MORI6820	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	6505 Crossandra Street	6514 Crossandra Street	6544 Crossandra Street	4451 Kobashigawa Street	4455 Kobashigawa Street	5465 Mahogany Lane	5471 Mahogany Lane	6820 Morishige Lane	
		Field Sample ID:	H2-TW-0013465-23155-A	H2-TW-0013467-23155-A	H2-TW-0013476-23155-A	H2-TW-0013481-23155-A	H2-TW-0013482-23155-A	H2-TW-0013601-23155-A	H2-TW-0013602-23155-A	H2-TW-0013616-23155-A	
		Sample Date:	2023-09-14	2023-07-11	2023-08-16	2023-10-10	2023-07-12	2023-09-14	2023-08-16	2023-08-16	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	730	520	720	690	500	700	770	760
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	62.8	52.4	ND	88.0	61.7	57.1	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	62.8	52.4	ND	88.0	61.7	57.1	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.50	2.10	2.50	2.30	2.50	1.40	1.70	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.60	2.10	ND	0.500	2.50	1.40	ND	ND
	Copper	1300	MCL	8.30	24.9	12.7	6.60	16.6	10.3	10.6	17.9
	Lead	15	MCL	0.250	0.200	0.410	0.150	0.760	0.960	0.890	1.10
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0250
	Selenium	50	MCL	2.60	ND	0.430	1.40	ND	1.30	0.590	0.450
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-CROS6505	H2-CROS6514	H2-CROS6544	H2-KOBA4451	H2-KOBA4455	H2-MAHO5465	H2-MAHO5471	H2-MORI6820
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6505 Crossandra Street	6514 Crossandra Street	6544 Crossandra Street	4451 Kobashigawa Street	4455 Kobashigawa Street	5465 Mahogany Lane	5471 Mahogany Lane	6820 Morishige Lane
				Field Sample ID:	H2-TW-0013465-23155-A	H2-TW-0013467-23155-A	H2-TW-0013476-23155-A	H2-TW-0013481-23155-A	H2-TW-0013482-23155-A	H2-TW-0013601-23155-A	H2-TW-0013602-23155-A	H2-TW-0013616-23155-A
				Sample Date:	2023-09-14	2023-07-11	2023-08-16	2023-10-10	2023-07-12	2023-09-14	2023-08-16	2023-08-16
				Sample Type:	N (Normal)	N (Normal)	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	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		<b>Location Type:</b>	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		<b>Address:</b>	6505 Crossandra Street	6514 Crossandra Street	6544 Crossandra Street	4451 Kobashigawa Street	4455 Kobashigawa Street	5465 Mahogany Lane	5471 Mahogany Lane	6820 Morishige Lane
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		<b>Sample Date:</b>	2023-09-14	2023-07-11	2023-08-16	2023-10-10	2023-07-12	2023-09-14	2023-08-16	2023-08-16
		<b>Sample Type:</b>	N (Normal)	N (Normal)	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	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.310	0.400	ND	ND	ND	ND
	Bromoform	--	--	ND	1.40	1.30	0.450	0.540	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.880	1.10	0.260	0.290	ND	ND
	Total Trihalomethanes	80	MCL	ND	2.59	2.80	0.710	0.830	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H2-NAUP6216		H2-NAUP6222	H2-NAUP6239	H2-NAUP6258	H2-NIU 6604	H2-NIU 6656	H2-NUHO6779
				Location Type: Residence		Residence	Residence	Residential Child Care	Residence	Residence	Residence
				Address: 6216 Naupaka Street		6222 Naupaka Street	6239 Naupaka Street	6258 Naupaka Street (CDH)	6604 Niu Street	6656 Niu Street	6779 Nuholani Street
				Field Sample ID: H2-TW-0013501-23155-A	H2-TW-0013501-23155-3-A	H2-TW-0013503-23155-A	H2-TW-0013512-23155-A	H2-TW-0013518-23155-A	H2-TW-0013527-23155-A	H2-TW-0013538-23155-A-T	H2-TW-0013549-23155-A
				Sample Date: 2023-08-16	2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-08-16	2023-07-13	2023-08-16
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	600	600	720	920	770	760	250	230
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	51.6	62.7	ND	ND	99.3	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	51.6	62.7	ND	ND	99.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.100	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	3.00	2.00	1.90	1.60	1.70	1.60
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	2.20	2.20	ND	ND	1.10	ND
	Copper	1300	MCL	10.1	8.10	18.6	17.1	13.2	15.6	31.8	21.2
	Lead	15	MCL	0.240	0.200	0.400	0.250	0.300	0.350	1.00	0.300
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.530	0.480	ND	ND	0.560	0.490	2.40	0.560
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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				Location Type: Residence		Residence	Residence	Residential Child Care	Residence	Residence	Residence
				Address: 6216 Naupaka Street		6222 Naupaka Street	6239 Naupaka Street	6258 Naupaka Street (CDH)	6604 Niu Street	6656 Niu Street	6779 Nuholani Street
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				Sample Date: 2023-08-16	2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-08-16	2023-07-13	2023-08-16
				Sample Type: N (Normal)	FD (Field Duplicate)	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	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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		Sample Date:	2023-08-16	2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-08-16	2023-07-13	2023-08-16
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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	1.00	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	1.00	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.300	0.740	0.380	0.290	ND	ND
	Bromoform	--	--	0.560	0.890	4.00	1.60	0.880	ND	0.870
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.500	0.780	2.70	1.20	0.810	ND	0.550
	Total Trihalomethanes	80	MCL	1.06	1.97	7.44	3.18	1.98	ND	1.42

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-PLUM6653		H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	6653 Plumeria Loop		6665 Plumeria Loop	5122 Sandalwood Lane	5149 Sandalwood Lane	934 Skyview Loop	5330 Tamarind Lane	
				Field Sample ID:	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A	H2-TW-0013639-23155-3-A	H2-TW-0013646-23155-A-T	H2-TW-0013652-23155-A	H2-TW-0013657-23155-A	H2-TW-0013560-23155-A	H2-TW-0013665-23155-A
				Sample Date:	2023-08-16	2023-09-14	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	640	490	490	300	510	810	600	680	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	93.7	58.3	ND	107	57.0	60.2	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	93.7	58.3	ND	107	57.0	60.2	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	0.520	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.00	1.90	1.80	1.90	1.60	1.60	1.50	1.60	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	ND	1.50	1.50	2.40	ND	1.50	2.10	ND	
	Copper	1300	MCL	19.3	8.80	8.90	7.80	19.5	2.70	8.60	9.40	
	Lead	15	MCL	1.20	0.840	0.760	0.670	1.20	0.260	0.230	0.620	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	0.610	2.80	2.90	ND	0.480	2.70	ND	0.460	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone H2**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-PLUM6653		H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6653 Plumeria Loop		6665 Plumeria Loop	5122 Sandalwood Lane	5149 Sandalwood Lane	934 Skyview Loop	5330 Tamarind Lane	
				Field Sample ID:	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A	H2-TW-0013639-23155-3-A	H2-TW-0013646-23155-A-T	H2-TW-0013652-23155-A	H2-TW-0013657-23155-A	H2-TW-0013560-23155-A	H2-TW-0013665-23155-A
				Sample Date:	2023-08-16	2023-09-14	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone H2**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-PLUM6653		H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6653 Plumeria Loop		6665 Plumeria Loop	5122 Sandalwood Lane	5149 Sandalwood Lane	934 Skyview Loop	5330 Tamarind Lane	
				Field Sample ID:	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A	H2-TW-0013639-23155-3-A	H2-TW-0013646-23155-A-T	H2-TW-0013652-23155-A	H2-TW-0013657-23155-A	H2-TW-0013560-23155-A	H2-TW-0013665-23155-A
				Sample Date:	2023-08-16	2023-09-14	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.310	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	1.00	ND	ND	0.590	0.260	ND	0.680	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.900	ND	ND	0.270	ND	ND	0.450	ND	
	Total Trihalomethanes	80	MCL	2.21	ND	ND	0.860	0.260	ND	1.13	ND	

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H2-TULI5635	H2-TULI5637	H2-VITE6402
				Location ID: H2-TULI5635	H2-TULI5637	H2-VITE6402
				Location Type: Residence	Residence	Residence
				Address: 5635 Tulip Lane	5637 Tulip Lane	6402 Vitex Lane
				Field Sample ID: H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T	H2-TW-0013564-23155-A
				Sample Date: 2023-07-11	2023-07-07	2023-08-16
				Sample Type: N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	550	570	770
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.5	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	55.5	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.40	1.80	3.20
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	2.10	2.50	ND
	Copper	1300	MCL	18.5	11.3	10.6
	Lead	15	MCL	1.00	0.690	0.270
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.500
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	ND	ND	ND
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
	1,1-Dichloroethene	7	MCL	ND	ND	ND

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone H2**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				H2-TULI5635	H2-TULI5637	H2-VITE6402
				Residence	Residence	Residence
				Address:	Address:	Address:
				5635 Tulip Lane	5637 Tulip Lane	6402 Vitex Lane
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T	H2-TW-0013564-23155-A
				Sample Date:	Sample Date:	Sample Date:
				2023-07-11	2023-07-07	2023-08-16
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-TULI5635	H2-TULI5637	H2-VITE6402
				Location Type:	Residence	Residence	Residence
				Address:	5635 Tulip Lane	5637 Tulip Lane	6402 Vitex Lane
				Field Sample ID:	H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T	H2-TW-0013564-23155-A
				Sample Date:	2023-07-11	2023-07-07	2023-08-16
				Sample Type:	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	0.450	ND	0.310	0.310
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.400	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.850	ND	0.310	0.310

**Summary of Chemistry Results**  
**Zone H2 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 H2**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location Information			
				Location ID	Location Type	Address	Field Sample ID
				H2-HYD0377A	H2-HYD1331A	H2-HYD1646A	
				Hydrant	Hydrant	Hydrant	
				Hydrant 377	Hydrant 1331	Hydrant 1646	
				H2-DL-0017757-23155-A	H2-DL-0017758-23155-A	H2-DL-0000688-23155-A	H2-DL-0000688-23155-3-A
				2023-08-16	2023-10-10	2023-10-10	2023-10-10
				N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Field Test (ppb)	Free Chlorine	4000	MCL	310	440	760	760
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	75.6	72.1	66.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	75.6	72.1	66.8
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	3.00	2.20	3.00	2.20
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.530	0.530	0.530
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	0.410	1.30	1.10	1.00
	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	ND	ND	ND	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
	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

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H2-HYD0377A      H2-HYD1331A      H2-HYD1646A			
				Location Type: Hydrant	Location Type: Hydrant	Location Type: Hydrant	
				Address: Hydrant 377	Address: Hydrant 1331	Address: Hydrant 1646	
				Field Sample ID: H2-DL-0017757-23155-A	Field Sample ID: H2-DL-0017758-23155-A	Field Sample ID: H2-DL-0000688-23155-A	Field Sample ID: H2-DL-0000688-23155-3-A
				Sample Date: 2023-08-16	Sample Date: 2023-10-10	Sample Date: 2023-10-10	Sample Date: 2023-10-10
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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
	Vinyl chloride	2	MCL	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND
Dibromoacetic acid		--	--	3.30	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	3.30	ND	ND	ND

**Summary of Chemistry Results**  
**Zone H2 Long Term Monitoring**  
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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:											
				H2-HYD0377A	H2-HYD1331A	H2-HYD1646A	Hydrant	Hydrant	Hydrant	Hydrant 377	Hydrant 1331	Hydrant 1646	H2-DL-0017757-23155 -A	H2-DL-0017758-23155 -A	H2-DL-0000688-23155 -A	H2-DL-0000688-23155 -3-A	2023-08-16	2023-10-10	2023-10-10	2023-10-10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.00	ND	ND	ND	ND												
	Bromoform	--	--	9.70	0.370	0.340	0.340	0.330												
	Chloroform	--	--	0.450	ND	ND	ND	ND												
	Dibromochloromethane	--	--	6.60	0.390	ND	ND	ND												
	Total Trihalomethanes	80	MCL	18.8	0.760	0.340	0.340	0.330												