

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 - September 2023 from Residences in Zone H2

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
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N (Normal) = Full compliance sample
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		Location ID:		H2-CROS6505	H2-CROS6514	H2-CROS6544	H2-KOBA4455	H2-MAHO5465	H2-MAHO5471	H2-MORI6820	H2-NAUP6216
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		6505 Crossandra Street	6514 Crossandra Street	6544 Crossandra Street	4455 Kobashigawa Street	5465 Mahogany Lane	5471 Mahogany Lane	6820 Morishige Lane	6216 Naupaka Street
		Field Sample ID:		H2-TW-0013465-23155-A	H2-TW-0013467-23155-A	H2-TW-0013476-23155-A	H2-TW-0013482-23155-A	H2-TW-0013601-23155-A	H2-TW-0013602-23155-A	H2-TW-0013616-23155-A	H2-TW-0013501-23155-A
		Sample Date:		2023-09-14	2023-07-11	2023-08-16	2023-07-12	2023-09-14	2023-08-16	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	500	700	770	760	600
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	61.7	57.1	ND	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	61.7	57.1	ND	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	2.50	1.40	1.70	1.80	1.90
	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	2.50	1.40	ND	ND	ND
	Copper	1300	MCL	8.30	24.9	12.7	16.6	10.3	10.6	17.9	10.1
	Lead	15	MCL	0.250	0.200	0.410	0.760	0.960	0.890	1.10	0.240
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0250	ND
	Selenium	50	MCL	2.60	ND	0.430	ND	1.30	0.590	0.450	0.530
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	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
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	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 ID:	H2-CROS6505	H2-CROS6514	H2-CROS6544	H2-KOBA4455	H2-MAHO5465	H2-MAHO5471	H2-MORI6820	H2-NAUP6216
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6505 Crossandra Street	6514 Crossandra Street	6544 Crossandra Street	4455 Kobashigawa Street	5465 Mahogany Lane	5471 Mahogany Lane	6820 Morishige Lane	6216 Naupaka Street
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				Sample Date:	2023-09-14	2023-07-11	2023-08-16	2023-07-12	2023-09-14	2023-08-16	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									
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
Haloacetic Acids (ppb)	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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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		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							
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	0.540	ND	0.380	0.560
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.880	1.10	0.290	ND	0.370	0.500
	Total Trihalomethanes	80	MCL	ND	2.59	2.80	0.830	ND	0.750	1.06

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		Location ID:		H2-NAUP6216	H2-NAUP6222	H2-NAUP6239	H2-NIU 6604	H2-NIU 6656	H2-NUHO6779	H2-PLUM6623	H2-PLUM6653
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		6216 Naupaka Street	6222 Naupaka Street	6239 Naupaka Street	6604 Niu Street	6656 Niu Street	6779 Nuholani Street	6623 Plumeria Loop	6653 Plumeria Loop
		Field Sample ID:		H2-TW-0013501-23155-3-A	H2-TW-0013503-23155-A	H2-TW-0013512-23155-A	H2-TW-0013527-23155-A	H2-TW-0013538-23155-A-T	H2-TW-0013549-23155-A	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A
		Sample Date:		2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-07-13	2023-08-16	2023-08-16	2023-09-14
		Sample Type:		FD (Field Duplicate)	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	600	720	920	760	250	230	640	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	51.6	62.7	ND	99.3	ND	ND	93.7
	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	51.6	62.7	ND	99.3	ND	ND	93.7
Metals (ppb)	Antimony	6	MCL	ND	0.100	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.520
	Barium	2000	MCL	2.00	3.00	2.00	1.60	1.70	1.60	2.00	1.90
	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	2.20	2.20	ND	1.10	ND	ND	1.50
	Copper	1300	MCL	8.10	18.6	17.1	15.6	31.8	21.2	19.3	8.80
	Lead	15	MCL	0.200	0.400	0.250	0.350	1.00	0.300	1.20	0.840
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.480	ND	ND	0.490	2.40	0.560	0.610	2.80
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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	H2-NAUP6216	H2-NAUP6222	H2-NAUP6239	H2-NIU 6604	H2-NIU 6656	H2-NUHO6779	H2-PLUM6623	H2-PLUM6653
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	6216 Naupaka Street	6222 Naupaka Street	6239 Naupaka Street	6604 Niu Street	6656 Niu Street	6779 Nuholani Street	6623 Plumeria Loop	6653 Plumeria Loop
		Field Sample ID:	H2-TW-0013501-23155-3-A	H2-TW-0013503-23155-A	H2-TW-0013512-23155-A	H2-TW-0013527-23155-A	H2-TW-0013538-23155-A-T	H2-TW-0013549-23155-A	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A
		Sample Date:	2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-07-13	2023-08-16	2023-08-16	2023-09-14
		Sample Type:	FD (Field Duplicate)	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							
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	1.00	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6216 Naupaka Street	6222 Naupaka Street	6239 Naupaka Street	6604 Niu Street	6656 Niu Street	6779 Nuholani Street	6623 Plumeria Loop	6653 Plumeria Loop
				Field Sample ID:	H2-TW-0013501-23155-3-A	H2-TW-0013503-23155-A	H2-TW-0013512-23155-A	H2-TW-0013527-23155-A	H2-TW-0013538-23155-A-T	H2-TW-0013549-23155-A	H2-TW-0013627-23155-A	H2-TW-0013639-23155-A
				Sample Date:	2023-08-16	2023-07-12	2023-07-11	2023-08-16	2023-07-13	2023-08-16	2023-08-16	2023-09-14
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				DOH Project Screening Level	Basis of Project Screening Level							
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	1.00	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.300	0.740	0.380	ND	ND	ND	ND	0.310	ND
	Bromoform	--	--	0.890	4.00	1.60	ND	0.870	0.410	1.00	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.780	2.70	1.20	ND	0.550	0.340	0.900	ND	ND
	Total Trihalomethanes	80	MCL	1.97	7.44	3.18	ND	1.42	0.750	2.21	ND	ND

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				Location ID:	H2-PLUM6653	H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	H2-TULI5635	H2-TULI5637
				Location Type:	Residence	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	5635 Tulip Lane	5637 Tulip Lane
				Field Sample ID:	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	H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T
				Sample Date:	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16	2023-07-11	2023-07-07
				Sample Type:	FD (Field Duplicate)	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	490	300	510	810	600	680	550	570	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.3	ND	107	57.0	60.2	ND	55.5	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.3	ND	107	57.0	60.2	ND	55.5	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	1.60	1.60	1.50	1.60	2.40	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.50	2.40	ND	1.50	2.10	ND	2.10	2.50	
	Copper	1300	MCL	8.90	7.80	19.5	2.70	8.60	9.40	18.5	11.3	
	Lead	15	MCL	0.760	0.670	1.20	0.260	0.230	0.620	1.00	0.690	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.90	ND	0.480	2.70	ND	0.460	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	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 - September 2023 from Residences in Zone H2

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				Location ID:	H2-PLUM6653	H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	H2-TULI5635	H2-TULI5637
				Location Type:	Residence	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	5635 Tulip Lane	5637 Tulip Lane
				Field Sample ID:	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	H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T
				Sample Date:	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16	2023-07-11	2023-07-07
				Sample Type:	FD (Field Duplicate)	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									
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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		Location ID:	H2-PLUM6653	H2-PLUM6665	H2-SAND5122	H2-SAND5149	H2-SKYV0934	H2-TAMA5330	H2-TULI5635	H2-TULI5637
		Location Type:	Residence	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	5635 Tulip Lane	5637 Tulip Lane
		Field Sample ID:	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	H2-TW-0013672-23155-A	H2-TW-0013673-23155-A-T
		Sample Date:	2023-09-14	2023-07-07	2023-08-16	2023-09-14	2023-07-11	2023-08-16	2023-07-11	2023-07-07
		Sample Type:	FD (Field Duplicate)	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							
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	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.590	0.260	ND	0.680	ND	0.450
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.270	ND	ND	0.450	ND	0.400
	Total Trihalomethanes	80	MCL	ND	0.860	0.260	ND	1.13	ND	0.850

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 - September 2023 from Residences in Zone H2

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N (Grab, Resample) = Additional follow-up sample				
			Location ID:	H2-VITE6402
			Location Type:	Residence
			Address:	6402 Vitex Lane
			Field Sample ID:	H2-TW-0013564-23155-A
			Sample Date:	2023-08-16
			Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Field Test (ppb)	Free Chlorine	4000	MCL	770
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	3.20
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	ND
	Copper	1300	MCL	10.6
	Lead	15	MCL	0.270
	Mercury	2	MCL	ND
	Selenium	50	MCL	0.500
	Thallium	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND

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

			Location ID:	H2-VITE6402
			Location Type:	Residence
			Address:	6402 Vitex Lane
			Field Sample ID:	H2-TW-0013564-23155-A
			Sample Date:	2023-08-16
			Sample Type:	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 (Total)	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	--	--	ND
	Dichloroacetic acid	--	--	ND

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			Location ID:	H2-VITE6402
			Location Type:	Residence
			Address:	6402 Vitex Lane
			Field Sample ID:	H2-TW-0013564-23155-A
			Sample Date:	2023-08-16
			Sample Type:	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	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.310
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	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 - September 2023 from Fire Hydrants in Zone H2

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FD (Field Duplicate) = Extra sample taken for quality control				
N (Grab, Resample) = Additional follow-up sample				
			Location ID:	H2-HYD0377A
			Location Type:	Hydrant
			Address:	Hydrant 377
			Field Sample ID:	H2-DL-0017757-23155-A
			Sample Date:	2023-08-16
			Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Field Test (ppb)	Free Chlorine	4000	MCL	310
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	3.00
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	ND
	Mercury	2	MCL	ND
	Selenium	50	MCL	0.410
	Thallium	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND

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			Location ID:	H2-HYD0377A
			Location Type:	Hydrant
			Address:	Hydrant 377
			Field Sample ID:	H2-DL-0017757-23155-A
			Sample Date:	2023-08-16
			Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene (Total)	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	--	--	3.30
	Dichloroacetic acid	--	--	ND
	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	3.30

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				Address:	Hydrant 377
				Field Sample ID:	H2-DL-0017757-23155-A
				Sample Date:	2023-08-16
				Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.00	
	Bromoform	--	--	9.70	
	Chloroform	--	--	0.450	
	Dibromochloromethane	--	--	6.60	
	Total Trihalomethanes	80	MCL	18.8	