

**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-December 2022 from Residences in Zone H2

Notes:
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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§ - Exceeds Screening Level
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		Location ID:	H2-BALS5233	H2-BALS5239	H2-CROS6552	H2-KOBA4461	H2-KOBA4465	H2-KOBA4485	H2-MAHO5428	H2-MAHO5490	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5233 Balsa Lane	5239 Balsa Lane	6552 Crossandra Street	4461 Kobashigawa Street	4465 Kobashigawa Street	4485 Kobashigawa Street	5428 Mahogany Lane	5490 Mahogany Lane	
		Field Sample ID:	H2-TW-0013579-22160-A	H2-TW-0013581-22160-A	H2-TW-0013478-22160-A	H2-TW-0013484-22160-A	H2-TW-0013485-22160-A	H2-TW-0013492-22160-A	H2-TW-0013593-22160-A	H2-TW-0013609-22160-3-A	
		Sample Date:	2022-06-29	2022-06-29	2022-08-02	2022-08-08	2022-08-02	2022-06-29	2022-08-08	2022-08-01	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	590	790	310	660	700	680	650	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.9	59.4	ND	ND	ND	53.5	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	55.9	59.4	ND	ND	ND	53.5	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	3.30	3.70	2.90	3.50	3.60	3.80	2.40	2.50
	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	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	15.0	9.10	9.20	10.4	9.00	18.0	10.9	20.6
	Lead	15	MCL	1.40	1.00	0.260	0.940	0.730	1.40	1.10	1.50
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.800	0.500	0.390	ND	0.460	0.320	ND	0.490
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-BALS5233	H2-BALS5239	H2-CROS6552	H2-KOBA4461	H2-KOBA4465	H2-KOBA4485	H2-MAHO5428	H2-MAHO5490
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	5233 Balsa Lane	5239 Balsa Lane	6552 Crossandra Street	4461 Kobashigawa Street	4465 Kobashigawa Street	4485 Kobashigawa Street	5428 Mahogany Lane	5490 Mahogany Lane
				Field Sample ID:	H2-TW-0013579-22160-A	H2-TW-0013581-22160-A	H2-TW-0013478-22160-A	H2-TW-0013484-22160-A	H2-TW-0013485-22160-A	H2-TW-0013492-22160-A	H2-TW-0013593-22160-A	H2-TW-0013609-22160-3-A
				Sample Date:	2022-06-29	2022-06-29	2022-08-02	2022-08-08	2022-08-02	2022-06-29	2022-08-08	2022-08-01
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
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-BALS5233	H2-BALS5239	H2-CROS6552	H2-KOBA4461	H2-KOBA4465	H2-KOBA4485	H2-MAHO5428	H2-MAHO5490
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5233 Balsa Lane	5239 Balsa Lane	6552 Crossandra Street	4461 Kobashigawa Street	4465 Kobashigawa Street	4485 Kobashigawa Street	5428 Mahogany Lane	5490 Mahogany Lane
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		Sample Date:	2022-06-29	2022-06-29	2022-08-02	2022-08-08	2022-08-02	2022-06-29	2022-08-08	2022-08-01
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	1.70	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	1.70	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	1.00	0.360	ND	ND	0.260
	Bromoform	--	--	ND	0.520	29.1	4.60	0.580	0.650	0.910
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	5.80	1.70	ND	0.570	0.910
	Total Trihalomethanes	80	MCL	ND	0.520	35.9	6.66	0.580	1.22	2.08

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-MAHO5490	H2-NAUP6207	H2-NAUP6213	H2-NAUP6225	H2-NAUP6231	H2-NAUP6242	H2-NAUP6258	
				Location Type:	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residential Child Care	Residential Child Care
				Address:	5490 Mahogany Lane	6207 Naupaka Street (CDH)	6213 Naupaka Street	6225 Naupaka Street	6231 Naupaka Street	6242 Naupaka Street	6258 Naupaka Street (CDH)	
				Field Sample ID:	H2-TW-0013609-22160-A	H2-TW-0013496-22160-A	H2-TW-0013500-22160-A	H2-TW-0013505-22160-A	H2-TW-0013508-22160-A	H2-TW-0013513-22160-A	H2-TW-0013518-22160-3-A	H2-TW-0013518-22160-A
				Sample Date:	2022-08-01	2022-10-25	2022-08-02	2022-06-30	2022-08-01	2022-08-02	2022-10-25	2022-10-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	340	480	680	680	750	290	1390	1390	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	55.5	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	55.5	ND	ND	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	2.40	2.50	3.00	3.50	3.00	3.00	2.50	2.60	
	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	ND	1.00	ND	ND	ND	ND	1.00	1.20	
	Copper	1300	MCL	21.9	7.70	11.6	8.00	14.8	8.10	16.7	19.5	
	Lead	15	MCL	1.50	0.300	0.580	0.430	0.510	0.340	0.770	0.980	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.690	0.300	0.660	ND	0.620	0.550	0.320	0.370	
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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-MAHO5490	H2-NAUP6207	H2-NAUP6213	H2-NAUP6225	H2-NAUP6231	H2-NAUP6242	H2-NAUP6258	
				Location Type:	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residential Child Care	Residential Child Care
				Address:	5490 Mahogany Lane	6207 Naupaka Street (CDH)	6213 Naupaka Street	6225 Naupaka Street	6231 Naupaka Street	6242 Naupaka Street	6258 Naupaka Street (CDH)	
				Field Sample ID:	H2-TW-0013609-22160-A	H2-TW-0013496-22160-A	H2-TW-0013500-22160-A	H2-TW-0013505-22160-A	H2-TW-0013508-22160-A	H2-TW-0013513-22160-A	H2-TW-0013518-22160-3-A	H2-TW-0013518-22160-A
				Sample Date:	2022-08-01	2022-10-25	2022-08-02	2022-06-30	2022-08-01	2022-08-02	2022-10-25	2022-10-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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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				Sample Date:	2022-08-01	2022-10-25	2022-08-02	2022-06-30	2022-08-01	2022-08-02	2022-10-25	2022-10-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	1.40	ND	ND	ND	ND	0.430	0.360
	Bromoform	--	--	ND	0.690	9.10	2.90	2.90	2.70	1.80	1.20	1.20
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.560	5.50	1.20	1.60	1.50	1.20	1.20	1.00
	Total Trihalomethanes	80	MCL	ND	1.25	16.0	4.10	4.50	4.20	3.43	2.56	2.56

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		Location ID:	H2-NIM 6322	H2-NUHO6771	H2-NUHO6775	H2-PLUM6639	H2-PLUM6662	H2-PLUM6665	H2-SAND5104	H2-SAND5140	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	6322 Nim Lane	6771 Nuholani Street	6775 Nuholani Street	6639 Plumeria Loop	6662 Plumeria Loop	6665 Plumeria Loop	5104 Sandalwood Lane	5140 Sandalwood Lane	
		Field Sample ID:	H2-TW-0013525-22160-A	H2-TW-0013547-22160-A	H2-TW-0013548-22160-A	H2-TW-0013633-22160-A	H2-TW-0013644-22160-A	H2-TW-0013646-22160-A	H2-TW-0013649-22160-A	H2-TW-0013653-22160-A	
		Sample Date:	2022-06-29	2022-06-29	2022-06-29	2022-08-01	2022-11-08	2022-11-08	2022-08-03	2022-08-02	
		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	670	800	410	620	610	560	500	440
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.6	50.0	ND	ND	ND	103	70.4	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.6	50.0	ND	ND	ND	103	70.4	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	2.20	0.480	0.150	ND
	Arsenic	10	MCL	ND	ND	ND	ND	4.80	ND	ND	ND
	Barium	2000	MCL	3.10	2.70	2.80	3.00	3.50	2.50	2.80	2.70
	Beryllium	4	MCL	ND	ND	ND	ND	0.160	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	ND	ND	1.30	1.10	ND	ND
	Copper	1300	MCL	26.3	9.50	16.4	8.20	12.6	9.10	17.0	63.1
	Lead	15	MCL	1.30	0.840	0.630	1.20	1.50	0.720	1.00	2.40
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0340	ND
	Selenium	50	MCL	0.600	0.580	0.550	0.470	5.10	ND	0.610	0.600
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	0.150	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-December 2022 from Residences in Zone H2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-NIM 6322	H2-NUHO6771	H2-NUHO6775	H2-PLUM6639	H2-PLUM6662	H2-PLUM6665	H2-SAND5104	H2-SAND5140
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6322 Nim Lane	6771 Nuholani Street	6775 Nuholani Street	6639 Plumeria Loop	6662 Plumeria Loop	6665 Plumeria Loop	5104 Sandalwood Lane	5140 Sandalwood Lane
				Field Sample ID:	H2-TW-0013525-22160-A	H2-TW-0013547-22160-A	H2-TW-0013548-22160-A	H2-TW-0013633-22160-A	H2-TW-0013644-22160-A	H2-TW-0013646-22160-A	H2-TW-0013649-22160-A	H2-TW-0013653-22160-A
				Sample Date:	2022-06-29	2022-06-29	2022-06-29	2022-08-01	2022-11-08	2022-11-08	2022-08-03	2022-08-02
				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

**Summary of Chemistry Results
Zone H2 Long Term Monitoring
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		Location ID:	H2-NIM 6322	H2-NUHO6771	H2-NUHO6775	H2-PLUM6639	H2-PLUM6662	H2-PLUM6665	H2-SAND5104	H2-SAND5140
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	6322 Nim Lane	6771 Nuholani Street	6775 Nuholani Street	6639 Plumeria Loop	6662 Plumeria Loop	6665 Plumeria Loop	5104 Sandalwood Lane	5140 Sandalwood Lane
		Field Sample ID:	H2-TW-0013525-22160-A	H2-TW-0013547-22160-A	H2-TW-0013548-22160-A	H2-TW-0013633-22160-A	H2-TW-0013644-22160-A	H2-TW-0013646-22160-A	H2-TW-0013649-22160-A	H2-TW-0013653-22160-A
		Sample Date:	2022-06-29	2022-06-29	2022-06-29	2022-08-01	2022-11-08	2022-11-08	2022-08-03	2022-08-02
		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	--	--	0.520	ND	0.800	ND	ND	ND	ND
	Bromoform	--	--	2.40	ND	3.50	ND	0.350	ND	1.50
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.40	ND	2.60	ND	0.260	ND	0.880
	Total Trihalomethanes	80	MCL	4.32	ND	6.90	ND	0.610	ND	2.38

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-SKYV0972		H2-TAMA5342	H2-VITE6413	
				H2-SKYV0930	Residence		Residence	Residence	
				Residence	Residence		Residence	Residence	
				Address:	Address:		Address:	Address:	
				930 Skyview Loop	972 Skyview Loop		5342 Tamarind Lane	6413 Vitex Lane	
				Field Sample ID:	H2-TW-0013559-22160-A	H2-TW-0013563-22160-3-A	H2-TW-0013563-22160-A	H2-TW-0013669-22160-A	H2-TW-0013568-22160-A
				Sample Date:	2022-08-01	2022-08-02	2022-08-02	2022-08-02	2022-08-02
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	500	440	440	430	300	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	55.6	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	55.6	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	0.130	0.160	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.70	3.40	3.40	2.60	2.50	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	
	Chromium	100	MCL	ND	ND	ND	ND	ND	
	Copper	1300	MCL	8.60	10.1	10.0	9.60	31.5	
	Lead	15	MCL	0.440	0.540	0.550	1.20	1.10	
	Mercury	2	MCL	ND	ND	ND	ND	ND	
	Selenium	50	MCL	0.540	0.840	0.540	0.620	0.480	
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	
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H2-SKYV0972		H2-TAMA5342	H2-VITE6413
				H2-SKYV0930	Residence		Residence	Residence
				Residence	972 Skyview Loop		5342 Tamarind Lane	6413 Vitex Lane
				Address: 930 Skyview Loop	Address: 972 Skyview Loop			
				Field Sample ID: H2-TW-0013559-22160-A	H2-TW-0013563-22160-3-A	H2-TW-0013563-22160-A	H2-TW-0013669-22160-A	H2-TW-0013568-22160-A
				Sample Date: 2022-08-01	2022-08-02	2022-08-02	2022-08-02	2022-08-02
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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 (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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	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:	H2-SKYV0972		H2-TAMA5342	H2-VITE6413
				H2-SKYV0930	Residence		Residence	Residence
				Residence	972 Skyview Loop		5342 Tamarind Lane	6413 Vitex Lane
				Address: 930 Skyview Loop	Address: 972 Skyview Loop			
				Field Sample ID: H2-TW-0013559-22160-A	H2-TW-0013563-22160-3-A	H2-TW-0013563-22160-A	H2-TW-0013669-22160-A	H2-TW-0013568-22160-A
				Sample Date: 2022-08-01	2022-08-02	2022-08-02	2022-08-02	2022-08-02
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	1.00
	Bromoform	--	--	1.70	1.10	1.00	ND	6.30
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.970	0.620	0.590	ND	4.10
	Total Trihalomethanes	80	MCL	2.67	1.72	1.59	ND	11.4

**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-December 2022 from Fire Hydrants in Zone H2

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		Location ID:	H2-HYD1333A	H2-HYD1646A	H2-HYD377A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	HYD-1333A	Hydrant 1646	HYD-377A	
		Field Sample ID:	H2-DL-0000643-22160 -A	H2-DL-0000688-22160 -A	H2-DL-0000620-22160 -A	
		Sample Date:	2022-08-30	2022-08-30	2022-08-30	
		Sample Type:	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	550	820	150
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	63.5	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	63.5	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.60	3.30	4.20
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.30	1.40	1.20
	Mercury	2	MCL	ND	0.0340	0.0300
	Selenium	50	MCL	ND	ND	ND
	Thallium	2	MCL	ND	ND	0.0600
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

**Summary of Chemistry Results
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		Location ID:	H2-HYD1333A	H2-HYD1646A	H2-HYD377A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	HYD-1333A	Hydrant 1646	HYD-377A	
		Field Sample ID:	H2-DL-0000643-22160 -A	H2-DL-0000688-22160 -A	H2-DL-0000620-22160 -A	
		Sample Date:	2022-08-30	2022-08-30	2022-08-30	
		Sample Type:	N (Normal)	N (Normal)	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	4.00
Dichloroacetic acid		--	--	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	4.00

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		Location ID:	H2-HYD1333A	H2-HYD1646A	H2-HYD377A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	HYD-1333A	Hydrant 1646	HYD-377A	
		Field Sample ID:	H2-DL-0000643-22160 -A	H2-DL-0000688-22160 -A	H2-DL-0000620-22160 -A	
		Sample Date:	2022-08-30	2022-08-30	2022-08-30	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	2.70
	Bromoform	--	--	0.480	0.530	19.2
	Chloroform	--	--	ND	ND	0.600
	Dibromochloromethane	--	--	0.370	0.300	9.60
	Total Trihalomethanes	80	MCL	0.850	0.830	32.1