

**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-October 2022 from Residences in Zone H1**

<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:	H1-ALBI3523	H1-ALBI3526	H1-ALBI3532	H1-AMA 3223	H1-AMAP3737	H1-AREC3327	H1-BAMB3604	H1-BAMB3611	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3523 Albizia Lane	3526 Albizia Lane	3532 Albizia Lane	3223 Ama Drive	3737 Amapa Lane	3327 Areca Lane	3604 Bamboo Lane	3611 Bamboo Lane	
		Field Sample ID:	H1-TW-0013159-22152-A	H1-TW-0013160-22152-A	H1-TW-0013164-22152-A	H1-TW-0013184-22152-A	H1-TW-0013217-22152-A	H1-TW-0013233-22152-A	H1-TW-0013234-22152-A	H1-TW-0013239-22152-A	
		Sample Date:	2022-06-23	2022-06-24	2022-06-24	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-07-21	
		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	820	800	740	830	970	740	770	630
Field Test (ppb)	Free Chlorine	4000	MCL	820	800	740	830	970	740	770	630
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	97.7	ND	ND	ND	ND	ND	63.6
	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	ND	97.7	ND	ND	ND	ND	ND	63.6
Metals (ppb)	Antimony	6	MCL	ND	0.220	ND	ND	0.170	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.820	0.700	0.880	ND
	Barium	2000	MCL	2.90	3.00	3.10	3.00	3.20	2.70	2.90	2.90
	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	ND	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	40.0	8.80	7.70	11.2	20.0	13.1	12.6	13.7
	Lead	15	MCL	3.00	0.580	0.500	0.530	1.10	0.360	0.570	0.930
	Mercury	2	MCL	0.0360	ND	ND	0.0270	ND	0.0410	0.0510	ND
	Selenium	50	MCL	0.890	0.840	1.40	0.360	1.20	0.910	1.80	ND
Thallium	2	MCL	ND	0.100	0.190	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	H1-ALBI3523	H1-ALBI3526	H1-ALBI3532	H1-AMA 3223	H1-AMAP3737	H1-AREC3327	H1-BAMB3604	H1-BAMB3611
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3523 Albizia Lane	3526 Albizia Lane	3532 Albizia Lane	3223 Ama Drive	3737 Amapa Lane	3327 Areca Lane	3604 Bamboo Lane	3611 Bamboo Lane
		Field Sample ID:	H1-TW-0013159-22152-A	H1-TW-0013160-22152-A	H1-TW-0013164-22152-A	H1-TW-0013184-22152-A	H1-TW-0013217-22152-A	H1-TW-0013233-22152-A	H1-TW-0013234-22152-A	H1-TW-0013239-22152-A
		Sample Date:	2022-06-23	2022-06-24	2022-06-24	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-07-21
		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)	1,2,4-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	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	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		<b>Location Type:</b>	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
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		<b>Sample Date:</b>	2022-06-23	2022-06-24	2022-06-24	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-07-21
		<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)	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	--	--	0.790	0.650	ND	ND	0.590	ND	0.540
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.640	0.690	ND	ND	0.500	ND	0.540
	Total Trihalomethanes	80	MCL	1.43	1.34	ND	ND	1.09	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H1-BAMB3651	H1-BEGO4114	H1-BEGO4132	H1-BEGO4146	H1-BEGO4176	H1-BEGO4183	H1-BOUG0330	H1-BOUG0463
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3651 Bamboo Lane	4114 Begonia Loop	4132 Begonia Loop	4146 Begonia Loop	4176 Begonia Loop	4183 Begonia Loop	330 Bougainvillea Loop	463 Bougainvillea Loop
				Field Sample ID:	H1-TW-0013261-22152-A	H1-TW-0013268-22152-A	H1-TW-0013274-22152-A	H1-TW-0013279-22152-A	H1-TW-0013284-22152-A	H1-TW-0013289-22152-A	H1-TW-0013314-22152-A	H1-TW-0013321-22152-A
				Sample Date:	2022-06-28	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-07-25	2022-06-22	2022-08-29
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	570	520	840	690	700	610	610	580	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	84.6	84.7	65.8	ND	ND	73.3	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	84.6	84.7	65.8	ND	ND	73.3	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	2.90	2.40	2.40	2.20	2.30	2.40	2.90	2.10	
	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	ND	ND	ND	ND	ND	ND	ND	1.10
	Copper	1300	MCL	31.6	18.5	6.20	6.90	9.30	14.5	10.7	10.5	
	Lead	15	MCL	0.500	1.00	0.140	0.830	0.360	0.340	1.20	0.130	
	Mercury	2	MCL	ND	0.0250	0.0260	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.420	0.690	0.880	ND	0.550	0.550	1.90	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 H1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-October 2022 from Residences in Zone H1**

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		Location ID:	H1-BAMB3651	H1-BEGO4114	H1-BEGO4132	H1-BEGO4146	H1-BEGO4176	H1-BEGO4183	H1-BOUG0330	H1-BOUG0463	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3651 Bamboo Lane	4114 Begonia Loop	4132 Begonia Loop	4146 Begonia Loop	4176 Begonia Loop	4183 Begonia Loop	330 Bougainvillea Loop	463 Bougainvillea Loop	
		Field Sample ID:	H1-TW-0013261-22152-A	H1-TW-0013268-22152-A	H1-TW-0013274-22152-A	H1-TW-0013279-22152-A	H1-TW-0013284-22152-A	H1-TW-0013289-22152-A	H1-TW-0013314-22152-A	H1-TW-0013321-22152-A	
		Sample Date:	2022-06-28	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-07-25	2022-06-22	2022-08-29	
		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	
	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	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	
	Chloroacetic acid	--	--	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>	3651 Bamboo Lane	4114 Begonia Loop	4132 Begonia Loop	4146 Begonia Loop	4176 Begonia Loop	4183 Begonia Loop	330 Bougainvillea Loop	463 Bougainvillea Loop
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		<b>Sample Date:</b>	2022-06-28	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-07-25	2022-06-22	2022-08-29
		<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	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	12.0	ND	ND	ND	ND	2.00	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.940	ND	ND	ND	ND	0.570	ND
	Total Trihalomethanes	80	MCL	12.9	ND	ND	ND	ND	2.57	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-BOUG0468		H1-BOUG0554	H1-BOUG0613	H1-CALA3051	H1-CALA3075	H1-CALA3077	
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 468 Bougainvillea Loop		554 Bougainvillea Loop	613 Bougainvillea Loop	3051 Calamondin Way	3075 Calamondin Way	3077 Calamondin Way	
				Field Sample ID: H1-TW-0013323-22152-3-A	H1-TW-0013323-22152-A	H1-TW-0013331-22152-A	H1-TW-0013337-22152-A	H1-TW-0013354-22152-A	H1-TW-0012675-22152-A	H1-TW-0012676-22152-3-A	H1-TW-0012676-22152-A
				Sample Date: 2022-08-29	2022-08-29	2022-06-28	2022-06-27	2022-06-22	2022-08-25	2022-08-30	2022-08-30
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	510	510	320	760	810	630	390	390
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	60.2	75.8	52.5	ND	50.1	ND	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	60.2	75.8	52.5	ND	50.1	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	2.40	2.20	2.80	2.60	2.80	2.10	2.10	3.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	0.220
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	0.110
	Chromium	100	MCL	0.910	0.930	ND	ND	ND	0.890	1.40	1.50
	Copper	1300	MCL	16.4	16.4	34.5	8.20	10.4	9.20	6.00	6.10
	Lead	15	MCL	0.340	0.180	0.800	0.340	0.890	0.450	0.410	0.890
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0270	0.0320
	Selenium	50	MCL	ND	ND	0.350	0.810	2.60	ND	ND	ND
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.630	
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

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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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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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-BOUG0468		H1-BOUG0554	H1-BOUG0613	H1-CALA3051	H1-CALA3075	H1-CALA3077	
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 468 Bougainvillea Loop		554 Bougainvillea Loop	613 Bougainvillea Loop	3051 Calamondin Way	3075 Calamondin Way	3077 Calamondin Way	
				Field Sample ID: H1-TW-0013323-22152-3-A	H1-TW-0013323-22152-A	H1-TW-0013331-22152-A	H1-TW-0013337-22152-A	H1-TW-0013354-22152-A	H1-TW-0012675-22152-A	H1-TW-0012676-22152-3-A	H1-TW-0012676-22152-A
				Sample Date: 2022-08-29	2022-08-29	2022-06-28	2022-06-27	2022-06-22	2022-08-25	2022-08-30	2022-08-30
				Sample Type: FD (Field Duplicate)	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
	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 H1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-October 2022 from Residences in Zone H1**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H1-BOUG0468		H1-BOUG0554	H1-BOUG0613	H1-CALA3051	H1-CALA3075	H1-CALA3077	
				Field Sample ID	Sample Date	Sample Type	Residence	Residence	Residence	Residence	Residence
				468 Bougainvillea Loop		554 Bougainvillea Loop	613 Bougainvillea Loop	3051 Calamondin Way	3075 Calamondin Way	3077 Calamondin Way	
				H1-TW-0013323-22152-3-A	H1-TW-0013323-22152-A	H1-TW-0013331-22152-A	H1-TW-0013337-22152-A	H1-TW-0013354-22152-A	H1-TW-0012675-22152-A	H1-TW-0012676-22152-3-A	H1-TW-0012676-22152-A
				2022-08-29	2022-08-29	2022-06-28	2022-06-27	2022-06-22	2022-08-25	2022-08-30	2022-08-30
				FD (Field Duplicate)	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
	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	--	--	ND	ND	ND	ND	ND	ND	0.390	0.390
	Bromoform	--	--	ND	ND	ND	ND	0.880	ND	1.70	1.80
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	1.50	1.40
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.880	ND	3.59	3.59

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

				Location ID:	H1-CALA3081	H1-CALA3136	H1-CENT2206	H1-CENT2223	H1-CENT2236	H1-CENT2242	H1-CENT2250	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	3081 Calamondin Way	3136 Calamondin Way	2206 Center Street	2223 Center Street	2236 Center Street	2242 Center Street	2250 Center Street	
				Field Sample ID:	H1-TW-0012677-22152-A	H1-TW-0012701-22152-A	H1-TW-0012717-22152-A	H1-TW-0012722-22152-A	H1-TW-0012731-22152-A	H1-TW-0012733-22152-A	H1-TW-0012738-22152-3-A	H1-TW-0012738-22152-A
				Sample Date:	2022-07-29	2022-06-22	2022-06-24	2022-07-25	2022-07-26	2022-08-03	2022-08-29	2022-08-29
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Field Test (ppb)	Free Chlorine	4000	MCL	750	900	760	680	600	390	230	230	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	57.6	82.9	ND	ND	81.7	56.8	69.4	
	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	57.6	82.9	ND	ND	81.7	56.8	69.4	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.100	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	2.50	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	3.00	3.00	2.50	2.40	2.70	2.50	2.50	2.50
	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	ND	ND	ND	ND	ND	0.950	0.990	
	Copper	1300	MCL	9.80	8.90	4.80	13.2	8.90	12.1	4.30	4.00	
	Lead	15	MCL	0.590	0.250	0.220	0.330	0.270	0.280	0.180	0.180	
	Mercury	2	MCL	ND	ND	0.0250	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.570	1.90	3.80	0.460	0.460	0.400	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	0.0680
	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	0.0180	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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N (Normal) = Full compliance sample
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		Location ID:	H1-CALA3081	H1-CALA3136	H1-CENT2206	H1-CENT2223	H1-CENT2236	H1-CENT2242	H1-CENT2250	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3081 Calamondin Way	3136 Calamondin Way	2206 Center Street	2223 Center Street	2236 Center Street	2242 Center Street	2250 Center Street	
		Field Sample ID:	H1-TW-0012677-22152-A	H1-TW-0012701-22152-A	H1-TW-0012717-22152-A	H1-TW-0012722-22152-A	H1-TW-0012731-22152-A	H1-TW-0012733-22152-A	H1-TW-0012738-22152-3-A	H1-TW-0012738-22152-A
		Sample Date:	2022-07-29	2022-06-22	2022-06-24	2022-07-25	2022-07-26	2022-08-03	2022-08-29	2022-08-29
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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		Location ID:	H1-CALA3081	H1-CALA3136	H1-CENT2206	H1-CENT2223	H1-CENT2236	H1-CENT2242	H1-CENT2250	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3081 Calamondin Way	3136 Calamondin Way	2206 Center Street	2223 Center Street	2236 Center Street	2242 Center Street	2250 Center Street	
		Field Sample ID:	H1-TW-0012677-22152-A	H1-TW-0012701-22152-A	H1-TW-0012717-22152-A	H1-TW-0012722-22152-A	H1-TW-0012731-22152-A	H1-TW-0012733-22152-A	H1-TW-0012738-22152-3-A	H1-TW-0012738-22152-A
		Sample Date:	2022-07-29	2022-06-22	2022-06-24	2022-07-25	2022-07-26	2022-08-03	2022-08-29	2022-08-29
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	1.10	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	2.80	0.980	ND	0.530	ND	ND	0.360
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	3.00	0.970	ND	ND	ND	ND	0.340
	Total Trihalomethanes	80	MCL	6.90	1.95	ND	0.530	ND	ND	0.700

**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-October 2022 from Residences in Zone H1**

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		Location ID:	H1-CENT2271	H1-CENT2284	H1-CENT2288	H1-CENT2290		H1-CORA2110	H1-CROT4234	H1-CROT4237	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	2271 Center Street	2284 Center Street	2288 Center Street	2290 Center Street		2110 Coral Lane	4234 Croton Street	4237 Croton Street	
		Field Sample ID:	H1-TW-0012749-22152-A	H1-TW-0012755-22152-A	H1-TW-0012757-22152-A	H1-TW-0012759-22152-3-A	H1-TW-0012759-22152-A	H1-TW-0012775-22152-A	H1-TW-0012790-22152-A	H1-TW-0012792-22152-A	
		Sample Date:	2022-08-30	2022-07-26	2022-08-29	2022-08-30	2022-08-30	2022-07-26	2022-06-24	2022-07-25	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	540	580	580	610	610	590	520	650
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	57.3	ND	ND	ND	88.3	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	ND	ND	57.3	ND	ND	ND	88.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	2.20	ND
	Barium	2000	MCL	2.50	2.60	2.60	2.40	2.60	2.30	3.10	2.40
	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	1.30	ND	0.970	1.20	1.20	ND	ND	ND
	Copper	1300	MCL	11.8	10.8	10.2	8.50	18.0	9.30	10.1	16.5
	Lead	15	MCL	0.260	0.370	0.220	0.320	0.390	0.860	0.330	0.980
	Mercury	2	MCL	0.0320	ND	ND	0.0290	0.0320	ND	0.0250	ND
	Selenium	50	MCL	ND	0.490	ND	ND	ND	0.530	3.00	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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		Location ID:	H1-CENT2271	H1-CENT2284	H1-CENT2288	H1-CENT2290		H1-CORA2110	H1-CROT4234	H1-CROT4237
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	2271 Center Street	2284 Center Street	2288 Center Street	2290 Center Street		2110 Coral Lane	4234 Croton Street	4237 Croton Street
		Field Sample ID:	H1-TW-0012749-22152-A	H1-TW-0012755-22152-A	H1-TW-0012757-22152-A	H1-TW-0012759-22152-3-A	H1-TW-0012759-22152-A	H1-TW-0012775-22152-A	H1-TW-0012790-22152-A	H1-TW-0012792-22152-A
		Sample Date:	2022-08-30	2022-07-26	2022-08-29	2022-08-30	2022-08-30	2022-07-26	2022-06-24	2022-07-25
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	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	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	H1-CENT2271	H1-CENT2284	H1-CENT2288	H1-CENT2290		H1-CORA2110	H1-CROT4234	H1-CROT4237
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	2271 Center Street	2284 Center Street	2288 Center Street	2290 Center Street		2110 Coral Lane	4234 Croton Street	4237 Croton Street
		Field Sample ID:	H1-TW-0012749-22152-A	H1-TW-0012755-22152-A	H1-TW-0012757-22152-A	H1-TW-0012759-22152-3-A	H1-TW-0012759-22152-A	H1-TW-0012775-22152-A	H1-TW-0012790-22152-A	H1-TW-0012792-22152-A
		Sample Date:	2022-08-30	2022-07-26	2022-08-29	2022-08-30	2022-08-30	2022-07-26	2022-06-24	2022-07-25
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	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	--	--	0.880	ND	0.540	0.390	0.430	ND	0.610
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.720	ND	0.350	0.380	0.400	ND	ND
	Total Trihalomethanes	80	MCL	1.60	ND	0.890	0.770	0.830	ND	0.610

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

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

		<b>Location ID:</b>		H1-DURI4628		H1-FLAM2531		H1-GARD4610		H1-GOLD6008		H1-GUAV3813		H1-GUAV3837	
		<b>Location Type:</b>		Residence		Residence		Residence		Residence		Residence		Residence	
		<b>Address:</b>		4628 Durian Lane		2531 Flame Lane		4610 Gardenia Lane		6008 Gold Lane		3813 Guava Lane		3837 Guava Lane	
		<b>Field Sample ID:</b>		H1-TW-0012813-22152-3-A	H1-TW-0012813-22152-A	H1-TW-0012823-22152-A	H1-TW-0012831-22152-3-A	H1-TW-0012831-22152-A	H1-TW-0012835-22152-A	H1-TW-0012851-22152-A	H1-TW-0012860-22152-A				
		<b>Sample Date:</b>		2022-10-04	2022-10-04	2022-10-04	2022-07-06	2022-07-06	2022-06-27	2022-06-24	2022-07-22				
		<b>Sample Type:</b>		FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	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>												
Field Test (ppb)	Free Chlorine	4000	MCL	630	630	520	660	660	710	600	630				
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND				
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.9	ND	96.8	111	110	ND	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	58.9	ND	96.8	111	110	ND	ND	ND				
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.170	0.130	ND				
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	2.30	ND				
	Barium	2000	MCL	2.10	2.20	2.70	2.70	2.80	2.60	2.80	2.60				
	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	1.10	1.20	1.20	ND	ND	ND	ND	ND				
	Copper	1300	MCL	8.60	8.30	8.80	18.1	19.0	17.4	11.2	12.1				
	Lead	15	MCL	0.360	0.360	0.290	0.590	0.680	0.370	0.560	0.870				
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Selenium	50	MCL	ND	ND	ND	ND	ND	0.360	3.10	0.400				
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0720	0.0960	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				



**Summary of Chemistry Results  
Zone H1 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: H1-DURI4628		Location ID: H1-FLAM2531		Location ID: H1-GARD4610		Location ID: H1-GOLD6008	Location ID: H1-GUAV3813	Location ID: H1-GUAV3837
				Residence		Residence		Residence		Residence	Residence	Residence
				4628 Durian Lane		2531 Flame Lane		4610 Gardenia Lane		6008 Gold Lane	3813 Guava Lane	3837 Guava Lane
				H1-TW-0012813-22152-3-A	H1-TW-0012813-22152-A	H1-TW-0012823-22152-A	H1-TW-0012831-22152-3-A	H1-TW-0012831-22152-A	H1-TW-0012835-22152-A	H1-TW-0012851-22152-A	H1-TW-0012860-22152-A	
				2022-10-04	2022-10-04	2022-10-04	2022-07-06	2022-07-06	2022-06-27	2022-06-24	2022-07-22	
				FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-DURI4628		Location ID: H1-FLAM2531		Location ID: H1-GARD4610		Location ID: H1-GOLD6008	Location ID: H1-GUAV3813	Location ID: H1-GUAV3837
				Residence		Residence		Residence		Residence	Residence	Residence
				Address: 4628 Durian Lane		Address: 2531 Flame Lane		Address: 4610 Gardenia Lane		Address: 6008 Gold Lane	Address: 3813 Guava Lane	Address: 3837 Guava Lane
				Field Sample ID: H1-TW-0012813-22152-3-A	Field Sample ID: H1-TW-0012813-22152-A	Field Sample ID: H1-TW-0012823-22152-A	Field Sample ID: H1-TW-0012831-22152-3-A	Field Sample ID: H1-TW-0012831-22152-A	Field Sample ID: H1-TW-0012835-22152-A	Field Sample ID: H1-TW-0012851-22152-A	Field Sample ID: H1-TW-0012860-22152-A	
				Sample Date: 2022-10-04	Sample Date: 2022-10-04	Sample Date: 2022-10-04	Sample Date: 2022-07-06	Sample Date: 2022-07-06	Sample Date: 2022-06-27	Sample Date: 2022-06-24	Sample Date: 2022-07-22	
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	
Haloacetic Acids (ppb)	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	--	--	ND	ND	0.270	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	0.950	ND	0.750	ND	0.600	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	0.810	ND	0.660	ND	0.620	ND	
	Total Trihalomethanes	80	MCL	ND	ND	2.03	ND	1.41	ND	1.22	ND	

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

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				Location ID:	H1-IRON4029	H1-IRON4045	H1-IRON4059		H1-IRON4063	H1-IXOR6631		H1-IXOR6651
				Location Type:	Residence	Residence	Residence		Residence	Residence		Residence
				Address:	4029 Ironwood Loop	4045 Ironwood Loop	4059 Ironwood Loop		4063 Ironwood Loop	6631 Ixora Lane		6651 Ixora Lane
				Field Sample ID:	H1-TW-0012914-22152-A	H1-TW-0012918-22152-A	H1-TW-0012921-22152-3-A	H1-TW-0012921-22152-A	H1-TW-0012924-22152-A	H1-TW-0012942-22152-3-A	H1-TW-0012942-22152-A	H1-TW-0012949-22152-A
				Sample Date:	2022-06-28	2022-06-27	2022-06-24	2022-06-24	2022-06-29	2022-08-29	2022-08-29	2022-10-04
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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	710	790	550	550	770	610	610	530	
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	91.2	94.5	ND	50.6	56.5	52.8	
	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	91.2	94.5	ND	50.6	56.5	52.8	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.570	ND	ND	ND	ND
	Barium	2000	MCL	2.70	2.50	2.60	2.50	2.70	2.20	2.20	2.10	
	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	ND	ND	ND	ND	0.930	0.870	1.90	
	Copper	1300	MCL	13.7	17.5	18.6	19.4	72.0	37.8	39.5	8.90	
	Lead	15	MCL	0.740	0.540	0.840	1.10	4.90	0.410	0.420	0.400	
	Mercury	2	MCL	ND	ND	0.0250	0.0270	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.600	0.480	1.60	1.80	0.900	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	0.0900	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	0.590	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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		Location ID:	H1-IRON4029	H1-IRON4045	H1-IRON4059		H1-IRON4063	H1-IXOR6631		H1-IXOR6651
		Location Type:	Residence	Residence	Residence		Residence	Residence		Residence
		Address:	4029 Ironwood Loop	4045 Ironwood Loop	4059 Ironwood Loop		4063 Ironwood Loop	6631 Ixora Lane		6651 Ixora Lane
		Field Sample ID:	H1-TW-0012914-22152-A	H1-TW-0012918-22152-A	H1-TW-0012921-22152-3-A	H1-TW-0012921-22152-A	H1-TW-0012924-22152-A	H1-TW-0012942-22152-3-A	H1-TW-0012942-22152-A	H1-TW-0012949-22152-A
		Sample Date:	2022-06-28	2022-06-27	2022-06-24	2022-06-24	2022-06-29	2022-08-29	2022-08-29	2022-10-04
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	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	ND	ND	ND	0.790	0.730	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
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		Location ID:	H1-IRON4029	H1-IRON4045	H1-IRON4059		H1-IRON4063	H1-IXOR6631		H1-IXOR6651	
		Location Type:	Residence	Residence	Residence		Residence	Residence		Residence	
		Address:	4029 Ironwood Loop	4045 Ironwood Loop	4059 Ironwood Loop		4063 Ironwood Loop	6631 Ixora Lane		6651 Ixora Lane	
		Field Sample ID:	H1-TW-0012914-22152-A	H1-TW-0012918-22152-A	H1-TW-0012921-22152-3-A	H1-TW-0012921-22152-A	H1-TW-0012924-22152-A	H1-TW-0012942-22152-3-A	H1-TW-0012942-22152-A	H1-TW-0012949-22152-A	
		Sample Date:	2022-06-28	2022-06-27	2022-06-24	2022-06-24	2022-06-29	2022-08-29	2022-08-29	2022-10-04	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	0.790	0.730	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	0.580	ND	1.90	1.50	1.30	0.640
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.620	0.650	0.580	0.390
	Total Trihalomethanes	80	MCL	ND	ND	0.580	ND	2.52	2.15	1.88	1.03

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

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-KE S4659		H1-KE S4693	H1-KOBA4445	H1-KOBA4474		H1-KOBA4478	H1-KOBA4503
				Location Type: Residence		Residence	Residence	Residence		Residence	Residence
				Address: 4659 Ke Street		4693 Ke Street	4445 Kobashigawa Street	4474 Kobashigawa Street		4478 Kobashigawa Street	4503 Kobashigawa Street
				Field Sample ID: H1-TW-0012984-22152-3-A	H1-TW-0012984-22152-A	H1-TW-0012991-22152-A	H1-TW-0013012-22152-A	H1-TW-0013019-22152-3-A	H1-TW-0013019-22152-A	H1-TW-0013020-22152-A	H1-TW-0013022-22152-A
				Sample Date: 2022-06-27	2022-06-27	2022-06-27	2022-06-24	2022-07-26	2022-07-26	2022-07-27	2022-07-27
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	890	890	750	460	610	610	730	640
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	51.4	ND	101	ND	ND	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	ND	51.4	ND	101	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.140	0.120	ND	ND
	Arsenic	10	MCL	ND	ND	ND	2.30	ND	ND	ND	ND
	Barium	2000	MCL	2.60	2.70	2.50	2.60	2.40	2.50	2.20	2.70
	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	7.10	8.20	16.0	11.7	2.90	2.90	10.1	18.6
	Lead	15	MCL	0.470	0.520	0.970	1.50	0.750	0.770	0.650	1.50
	Mercury	2	MCL	ND	ND	ND	0.0250	ND	ND	ND	ND
	Selenium	50	MCL	0.740	0.450	0.650	3.30	0.610	0.600	0.530	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 H1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-October 2022 from Residences in Zone H1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-KE S4659		Location ID: H1-KE S4693		Location ID: H1-KOBA4445		Location ID: H1-KOBA4474		Location ID: H1-KOBA4478		Location ID: H1-KOBA4503	
				Residence		Residence		Residence		Residence		Residence		Residence	
				Address: 4659 Ke Street		Address: 4693 Ke Street		Address: 4445 Kobashigawa Street		Address: 4474 Kobashigawa Street		Address: 4478 Kobashigawa Street		Address: 4503 Kobashigawa Street	
				Field Sample ID: H1-TW-0012984-22152-3-A	Field Sample ID: H1-TW-0012984-22152-A	Field Sample ID: H1-TW-0012991-22152-A	Field Sample ID: H1-TW-0013012-22152-A	Field Sample ID: H1-TW-0013019-22152-3-A	Field Sample ID: H1-TW-0013019-22152-A	Field Sample ID: H1-TW-0013020-22152-A	Field Sample ID: H1-TW-0013022-22152-A				
				Sample Date: 2022-06-27	Sample Date: 2022-06-27	Sample Date: 2022-06-27	Sample Date: 2022-06-24	Sample Date: 2022-07-26	Sample Date: 2022-07-26	Sample Date: 2022-07-27	Sample Date: 2022-07-27				
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)				
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-KE S4659		Location ID: H1-KE S4693		Location ID: H1-KOBA4445		Location ID: H1-KOBA4474		Location ID: H1-KOBA4478	Location ID: H1-KOBA4503
				Residence		Residence		Residence		Residence		Residence	Residence
				Address: 4659 Ke Street		Address: 4693 Ke Street		Address: 4445 Kobashigawa Street		Address: 4474 Kobashigawa Street		Address: 4478 Kobashigawa Street	Address: 4503 Kobashigawa Street
				Field Sample ID: H1-TW-0012984-22152-3-A	Field Sample ID: H1-TW-0012984-22152-A	Field Sample ID: H1-TW-0012991-22152-A	Field Sample ID: H1-TW-0013012-22152-A	Field Sample ID: H1-TW-0013019-22152-3-A	Field Sample ID: H1-TW-0013019-22152-A	Field Sample ID: H1-TW-0013020-22152-A	Field Sample ID: H1-TW-0013022-22152-A		
				Sample Date: 2022-06-27	Sample Date: 2022-06-27	Sample Date: 2022-06-27	Sample Date: 2022-06-24	Sample Date: 2022-07-26	Sample Date: 2022-07-26	Sample Date: 2022-07-27	Sample Date: 2022-07-27		
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)		
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	0.590	ND	ND	0.530	0.570	0.520	1.09
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.590	ND	ND	0.530	1.09	0.520	1.09



**Summary of Chemistry Results  
Zone H1 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:	H1-KOBA4511	H1-KOBA4517	H1-KOBA4526	H1-KOBA4527	H1-KUKU2348	H1-KUKU2360	H1-KUKU2364	H1-KUKU2369
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	4511 Kobashigawa Street	4517 Kobashigawa Street	4526 Kobashigawa Street	4527 Kobashigawa Street	2348 Kukui Lane	2360 Kukui Lane	2364 Kukui Lane	2369 Kukui Lane
				Field Sample ID:	H1-TW-0013027-22152-A	H1-TW-0013031-22152-A	H1-TW-0013035-22152-A	H1-TW-0013036-22152-A	H1-TW-0013064-22152-A	H1-TW-0013066-22152-A	H1-TW-0013067-22152-A	H1-TW-0013068-22152-A
				Sample Date:	2022-06-27	2022-07-26	2022-07-26	2022-06-27	2022-08-29	2022-06-23	2022-07-29	2022-07-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL		860	480	620	600	650	760	740	470
General Chemistry (ppb)	Total Organic Carbon	2000	ISP		ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--		52.4	ND	ND	ND	ND	ND	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		52.4	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL		ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL		ND	ND	ND	ND	ND	0.710	ND	ND
	Barium	2000	MCL		2.40	2.30	2.30	2.40	2.40	2.80	2.50	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	0.870	ND	ND	ND
	Copper	1300	MCL		11.8	13.0	14.6	10.1	35.7	16.4	15.0	8.10
	Lead	15	MCL		0.530	0.750	0.840	1.40	0.310	0.310	0.380	0.390
	Mercury	2	MCL		ND	ND	ND	ND	ND	0.0670	ND	ND
	Selenium	50	MCL		0.670	0.540	0.560	0.500	ND	1.10	0.570	ND
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 H1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-October 2022 from Residences in Zone H1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H1-KOBA4511	H1-KOBA4517	H1-KOBA4526	H1-KOBA4527	H1-KUKU2348	H1-KUKU2360	H1-KUKU2364	H1-KUKU2369
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	4511 Kobashigawa Street	4517 Kobashigawa Street	4526 Kobashigawa Street	4527 Kobashigawa Street	2348 Kukui Lane	2360 Kukui Lane	2364 Kukui Lane	2369 Kukui Lane
				Field Sample ID:	H1-TW-0013027-22152-A	H1-TW-0013031-22152-A	H1-TW-0013035-22152-A	H1-TW-0013036-22152-A	H1-TW-0013064-22152-A	H1-TW-0013066-22152-A	H1-TW-0013067-22152-A	H1-TW-0013068-22152-A
				Sample Date:	2022-06-27	2022-07-26	2022-07-26	2022-06-27	2022-08-29	2022-06-23	2022-07-29	2022-07-25
				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 H1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	H1-KOBA4511	H1-KOBA4517	H1-KOBA4526	H1-KOBA4527	H1-KUKU2348	H1-KUKU2360	H1-KUKU2364	H1-KUKU2369
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4511 Kobashigawa Street	4517 Kobashigawa Street	4526 Kobashigawa Street	4527 Kobashigawa Street	2348 Kukui Lane	2360 Kukui Lane	2364 Kukui Lane	2369 Kukui Lane
		Field Sample ID:	H1-TW-0013027-22152-A	H1-TW-0013031-22152-A	H1-TW-0013035-22152-A	H1-TW-0013036-22152-A	H1-TW-0013064-22152-A	H1-TW-0013066-22152-A	H1-TW-0013067-22152-A	H1-TW-0013068-22152-A
		Sample Date:	2022-06-27	2022-07-26	2022-07-26	2022-06-27	2022-08-29	2022-06-23	2022-07-29	2022-07-25
		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	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	1.00	ND	0.780
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.600	ND	0.770
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	1.60	ND	1.55

**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-October 2022 from Residences in Zone H1**

<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:	H1-KUKU2389		H1-LILI4654	H1-MACA5021	H1-MACA5056	H1-MACA5057	H1-MACA5060	H1-MACA5063	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2389 Kukui Lane		4654 Liliko Lane	5021 Macadamia Lane	5056 Macadamia Lane	5057 Macadamia Lane	5060 Macadamia Lane	5063 Macadamia Lane	
		Field Sample ID:	H1-TW-0013072-22152-3-A	H1-TW-0013072-22152-A	H1-TW-0013075-22152-A	H1-TW-0013085-22152-A	H1-TW-0013096-22152-A	H1-TW-0013097-22152-A	H1-TW-0013098-22152-A	H1-TW-0013101-22152-A	
		Sample Date:	2022-07-25	2022-07-25	2022-08-05	2022-07-27	2022-07-27	2022-07-26	2022-07-27	2022-07-26	
		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	530	530	650	550	520	460	700	610
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	65.2	ND	ND	ND	52.5	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	ND	ND	65.2	ND	ND	ND	52.5	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	2.40	2.30	2.30	2.30	2.30	2.30	2.30	2.20
	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	9.20	9.50	12.1	11.4	12.6	15.6	7.10	14.2
	Lead	15	MCL	0.610	0.590	1.00	0.950	1.10	0.900	0.800	0.630
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.520	0.320	0.610	0.500	0.470	0.610	0.630	0.360
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

**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-October 2022 from Residences in Zone H1**

<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:	H1-KUKU2389		H1-LILI4654	H1-MACA5021	H1-MACA5056	H1-MACA5057	H1-MACA5060	H1-MACA5063
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2389 Kukui Lane		4654 Liliko Lane	5021 Macadamia Lane	5056 Macadamia Lane	5057 Macadamia Lane	5060 Macadamia Lane	5063 Macadamia Lane
		Field Sample ID:	H1-TW-0013072-22152-3-A	H1-TW-0013072-22152-A	H1-TW-0013075-22152-A	H1-TW-0013085-22152-A	H1-TW-0013096-22152-A	H1-TW-0013097-22152-A	H1-TW-0013098-22152-A	H1-TW-0013101-22152-A
		Sample Date:	2022-07-25	2022-07-25	2022-08-05	2022-07-27	2022-07-27	2022-07-26	2022-07-27	2022-07-26
		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	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	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-KUKU2389		H1-LILI4654	H1-MACA5021	H1-MACA5056	H1-MACA5057	H1-MACA5060	H1-MACA5063	
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address: 2389 Kukui Lane		4654 Liliko Lane	5021 Macadamia Lane	5056 Macadamia Lane	5057 Macadamia Lane	5060 Macadamia Lane	5063 Macadamia Lane	
				Field Sample ID:	H1-TW-0013072-22152-3-A	H1-TW-0013072-22152-A	H1-TW-0013075-22152-A	H1-TW-0013085-22152-A	H1-TW-0013096-22152-A	H1-TW-0013097-22152-A	H1-TW-0013098-22152-A	H1-TW-0013101-22152-A
				Sample Date:	2022-07-25	2022-07-25	2022-08-05	2022-07-27	2022-07-27	2022-07-26	2022-07-27	2022-07-26
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	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	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

				Location ID:	H1-NAIO4710	H1-NONI3169	H1-OKAM2614	H1-OKAM2626	H1-OKAM2630	H1-OKAM2674	H1-OLEA4720	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	4710 Naio Lane	3169 Noni Lane	2614 Okamura Street	2626 Okamura Street	2630 Okamura Street	2674 Okamura Street	4720 Oleander Street	
				Field Sample ID:	H1-TW-0013141-22152-A	H1-TW-0013149-22152-A	H1-TW-0013363-22152-A	H1-TW-0013366-22152-A	H1-TW-0013367-22152-A	H1-TW-0013377-22152-A	H1-TW-0013396-22152-3-A	H1-TW-0013396-22152-A
				Sample Date:	2022-10-04	2022-06-22	2022-06-22	2022-06-23	2022-06-22	2022-07-25	2022-10-12	2022-10-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Field Test (ppb)	Free Chlorine	4000	MCL	580	250	670	860	840	500	590	590	
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	ND	ND	ND	63.3	50.7
	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	ND	ND	ND	63.3	50.7
Metals (ppb)	Antimony	6	MCL	ND	0.220	0.300	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.760	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.60	3.00	2.50	2.60	2.60	2.30	2.30	2.30
	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	1.10	ND	ND	ND	ND	ND	1.00	1.10	1.10
	Copper	1300	MCL	10.1	12.8	15.9	11.4	15.2	9.80	6.20	6.00	6.00
	Lead	15	MCL	0.360	0.770	0.210	0.300	0.220	0.320	0.170	0.170	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	1.70	2.10	1.40	1.50	ND	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H1-NAIO4710	H1-NONI3169	H1-OKAM2614	H1-OKAM2626	H1-OKAM2630	H1-OKAM2674	H1-OLEA4720	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	4710 Naio Lane	3169 Noni Lane	2614 Okamura Street	2626 Okamura Street	2630 Okamura Street	2674 Okamura Street	4720 Oleander Street	
				Field Sample ID:	H1-TW-0013141-22152-A	H1-TW-0013149-22152-A	H1-TW-0013363-22152-A	H1-TW-0013366-22152-A	H1-TW-0013367-22152-A	H1-TW-0013377-22152-A	H1-TW-0013396-22152-3-A	H1-TW-0013396-22152-A
				Sample Date:	2022-10-04	2022-06-22	2022-06-22	2022-06-23	2022-06-22	2022-07-25	2022-10-12	2022-10-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND



**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-October 2022 from Residences in Zone H1**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H1-NAIO4710	H1-NONI3169	H1-OKAM2614	H1-OKAM2626	H1-OKAM2630	H1-OKAM2674	H1-OLEA4720	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	4710 Naio Lane	3169 Noni Lane	2614 Okamura Street	2626 Okamura Street	2630 Okamura Street	2674 Okamura Street	4720 Oleander Street	
				Field Sample ID:	H1-TW-0013141-22152-A	H1-TW-0013149-22152-A	H1-TW-0013363-22152-A	H1-TW-0013366-22152-A	H1-TW-0013367-22152-A	H1-TW-0013377-22152-A	H1-TW-0013396-22152-3-A	H1-TW-0013396-22152-A
				Sample Date:	2022-10-04	2022-06-22	2022-06-22	2022-06-23	2022-06-22	2022-07-25	2022-10-12	2022-10-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Haloacetic Acids (ppb)	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	0.730	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.640	2.00	ND	ND	0.640	0.420	0.320	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	2.00	ND	ND	ND	0.400	0.330	
	Total Trihalomethanes	80	MCL	ND	0.640	4.73	ND	ND	0.640	0.820	0.650	

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

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		Location ID:	H1-PAPA6335	H1-PAPA6340		H1-PAPA6343	H1-PAPA6354	H1-PAPA6358	H1-PAPA6373	H1-PAPA6375	
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence	
		Address:	6335 Papaya Lane	6340 Papaya Lane		6343 Papaya Lane	6354 Papaya Lane	6358 Papaya Lane	6373 Papaya Lane	6375 Papaya Lane	
		Field Sample ID:	H1-TW-0013411-22152-A	H1-TW-0013413-22152-3-A	H1-TW-0013413-22152-A	H1-TW-0013414-22152-A	H1-TW-0013419-22152-A	H1-TW-0013422-22152-A	H1-TW-0013430-22152-A	H1-TW-0013431-22152-A	
		Sample Date:	2022-08-30	2022-09-01	2022-09-01	2022-08-29	2022-08-29	2022-06-29	2022-06-28	2022-06-29	
		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								
Field Test (ppb)	Free Chlorine	4000	MCL	600	390	390	650	560	260	720	710
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	53.6	ND	58.7	77.3	54.8	66.3
	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	ND	ND	53.6	ND	58.7	77.3	54.8	66.3
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.540	ND	ND
	Barium	2000	MCL	2.20	2.30	2.40	2.00	2.20	2.50	2.60	2.70
	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	1.30	1.30	1.20	0.940	1.10	ND	ND	ND
	Copper	1300	MCL	23.9	31.1	25.5	6.90	5.80	13.7	12.7	13.5
	Lead	15	MCL	0.360	0.370	0.330	0.210	0.200	0.520	0.350	0.460
	Mercury	2	MCL	0.0300	0.0930	0.100	ND	ND	ND	0.0480	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	1.10	0.620	0.520
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	0.0530	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

**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-October 2022 from Residences in Zone H1**

<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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H1-PAPA6340		H1-PAPA6343	H1-PAPA6354	H1-PAPA6358	H1-PAPA6373	H1-PAPA6375	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	6340 Papaya Lane		6343 Papaya Lane	6354 Papaya Lane	6358 Papaya Lane	6373 Papaya Lane	6375 Papaya Lane	
				Field Sample ID:	H1-TW-0013411-22152-A	H1-TW-0013413-22152-3-A	H1-TW-0013413-22152-A	H1-TW-0013414-22152-A	H1-TW-0013419-22152-A	H1-TW-0013422-22152-A	H1-TW-0013430-22152-A	H1-TW-0013431-22152-A
				Sample Date:	2022-08-30	2022-09-01	2022-09-01	2022-08-29	2022-08-29	2022-06-29	2022-06-28	2022-06-29
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

<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
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H1-PAPA6335	H1-PAPA6340		H1-PAPA6343	H1-PAPA6354	H1-PAPA6358	H1-PAPA6373	H1-PAPA6375
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
		Address:	6335 Papaya Lane	6340 Papaya Lane		6343 Papaya Lane	6354 Papaya Lane	6358 Papaya Lane	6373 Papaya Lane	6375 Papaya Lane
		Field Sample ID:	H1-TW-0013411-22152-A	H1-TW-0013413-22152-3-A	H1-TW-0013413-22152-A	H1-TW-0013414-22152-A	H1-TW-0013419-22152-A	H1-TW-0013422-22152-A	H1-TW-0013430-22152-A	H1-TW-0013431-22152-A
		Sample Date:	2022-08-30	2022-09-01	2022-09-01	2022-08-29	2022-08-29	2022-06-29	2022-06-28	2022-06-29
		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)	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	0.910	0.930	ND	ND	ND	ND
	Bromoform	--	--	ND	8.60	8.10	ND	0.360	ND	0.550
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	4.30	4.20	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	13.8	13.2	ND	0.360	ND	0.550

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	H1-PAPE4523	H1-PUAK2454	H1-PUAK2462	H1-RIML2136	H1-RIML2148	H1-RIML2188		H1-RIML2194	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	4523 Paperbark Lane	2454 Puakika Street	2462 Puakika Street	2136 Rim Loop	2148 Rim Loop	2188 Rim Loop		2194 Rim Loop	
		Field Sample ID:	H1-TW-0013437-22152-A	H1-TW-0012624-22152-A	H1-TW-0012626-22152-A	H1-TW-0012628-22152-A	H1-TW-0012632-22152-A	H1-TW-0012643-22152-3-A	H1-TW-0012643-22152-A	H1-TW-0012645-22152-A	
		Sample Date:	2022-06-27	2022-07-21	2022-07-25	2022-06-23	2022-07-25	2022-06-22	2022-06-22	2022-06-27	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	840	700	480	770	350	560	560	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	62.6	ND	ND	ND	55.1	65.2	53.4
	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	ND	62.6	ND	ND	ND	55.1	65.2	53.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.120	ND	0.140	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.50	2.40	2.40	2.80	2.70	3.10	3.10	3.00
	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	10.9	12.2	11.5	4.80	11.4	5.00	4.50	33.0
	Lead	15	MCL	0.340	0.480	0.350	0.160	0.430	0.260	0.230	0.340
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.50	ND	0.400	ND	0.310	1.00	1.80	0.830
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

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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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:	H1-PAPE4523	H1-PUAK2454	H1-PUAK2462	H1-RIML2136	H1-RIML2148	H1-RIML2188		H1-RIML2194
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence
		Address:	4523 Paperbark Lane	2454 Puakika Street	2462 Puakika Street	2136 Rim Loop	2148 Rim Loop	2188 Rim Loop		2194 Rim Loop
		Field Sample ID:	H1-TW-0013437-22152-A	H1-TW-0012624-22152-A	H1-TW-0012626-22152-A	H1-TW-0012628-22152-A	H1-TW-0012632-22152-A	H1-TW-0012643-22152-3-A	H1-TW-0012643-22152-A	H1-TW-0012645-22152-A
		Sample Date:	2022-06-27	2022-07-21	2022-07-25	2022-06-23	2022-07-25	2022-06-22	2022-06-22	2022-06-27
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	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	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**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-October 2022 from Residences in Zone H1**

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		Location ID:	H1-PAPE4523	H1-PUAK2454	H1-PUAK2462	H1-RIML2136	H1-RIML2148	H1-RIML2188		H1-RIML2194	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	4523 Paperbark Lane	2454 Puakika Street	2462 Puakika Street	2136 Rim Loop	2148 Rim Loop	2188 Rim Loop		2194 Rim Loop	
		Field Sample ID:	H1-TW-0013437-22152-A	H1-TW-0012624-22152-A	H1-TW-0012626-22152-A	H1-TW-0012628-22152-A	H1-TW-0012632-22152-A	H1-TW-0012643-22152-3-A	H1-TW-0012643-22152-A	H1-TW-0012645-22152-A	
		Sample Date:	2022-06-27	2022-07-21	2022-07-25	2022-06-23	2022-07-25	2022-06-22	2022-06-22	2022-06-27	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Haloacetic Acids (ppb)	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	0.850	
	Bromoform	--	--	ND	ND	0.650	0.670	0.670	1.20	0.850	4.50
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	0.500	0.700	ND	1.10	0.860	2.70
	Total Trihalomethanes	80	MCL	ND	ND	1.15	1.37	0.670	2.30	1.71	8.05

**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-October 2022 from Residences in Zone H1**

<b>Notes:</b>
ND = Not Detected
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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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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H1-TECO3253	H1-TULI5607
				<b>Location ID:</b> H1-TECO3253	H1-TULI5607
				<b>Location Type:</b> Residence	Residence
				<b>Address:</b> 3253 Tecoma Lane	5607 Tulip Lane
				<b>Field Sample ID:</b> H1-TW-0012661-22152-A	H1-TW-0012666-22152-A
				<b>Sample Date:</b> 2022-07-26	2022-08-25
				<b>Sample Type:</b> N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	590	350
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.50	2.20
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	ND	0.900
	Copper	1300	MCL	8.50	6.30
	Lead	15	MCL	0.300	0.530
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	0.460	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND



**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-October 2022 from Residences in Zone H1**

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

<b>Location ID:</b>	H1-TECO3253	H1-TULI5607
<b>Location Type:</b>	Residence	Residence
<b>Address:</b>	3253 Tecoma Lane	5607 Tulip Lane
<b>Field Sample ID:</b>	H1-TW-0012661-22152-A	H1-TW-0012666-22152-A
<b>Sample Date:</b>	2022-07-26	2022-08-25
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H1-TECO3253	H1-TULI5607
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND
	Vinyl chloride	2	MCL	ND	ND
Xylenes, Total	10000	MCL	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND

**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-October 2022 from Residences in Zone H1**

<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

<b>Location ID:</b>	H1-TECO3253	H1-TULI5607
<b>Location Type:</b>	Residence	Residence
<b>Address:</b>	3253 Tecoma Lane	5607 Tulip Lane
<b>Field Sample ID:</b>	H1-TW-0012661-22152-A	H1-TW-0012666-22152-A
<b>Sample Date:</b>	2022-07-26	2022-08-25
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H1-TECO3253	H1-TULI5607
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	2.40
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	1.00
	Total Trihalomethanes	80	MCL	ND	3.40

**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-October 2022 from Child Development Centers in Zone H1**

<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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	H1-BLDG1782		H1-BLDG1783		H1-BLDG1795		H1-BLDG1875	
				420-480	420-480	370-450	370-450	100-220	100-220	210-270	210-270
				<b>Location ID:</b> H1-BLDG1782 <b>Location Type:</b> Child Development Center <b>Address:</b> Building 1782,CYS / Army Community Center		<b>Location ID:</b> H1-BLDG1783 <b>Location Type:</b> Child Development Center <b>Address:</b> Building 1783,CDC - Under 6 years		<b>Location ID:</b> H1-BLDG1795 <b>Location Type:</b> Child Development Center <b>Address:</b> Building 1795,Youth Activities Center		<b>Location ID:</b> H1-BLDG1875 <b>Location Type:</b> Child Development Center <b>Address:</b> Building 1875,Private/Organizational Club	
				<b>Field Sample ID:</b> H1-TW-0017683-22152-A-1 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017683-22152-A-2 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017684-22152-A-1 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017684-22152-A-2 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017687-22152-A-1 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017687-22152-A-2 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017689-22152-A-1 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)	<b>Field Sample ID:</b> H1-TW-0017689-22152-A-2 <b>Sample Date:</b> 2022-08-25 <b>Sample Type:</b> N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	420-480	420-480	370-450	370-450	100-220	100-220	210-270	210-270
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	78.8	71.9	ND	66.3	ND	ND	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	78.8	71.9	ND	66.3	ND	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	2.40	3.20	2.20	2.40	5.60	2.40	4.00	4.20
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	0.110
	Chromium	100	MCL	0.990	0.940	0.990	1.00	2.10	0.910	0.790	0.870
	Copper	1300	MCL	51.7	68.1	55.0	66.6	126	240	9.00	17.2
	Lead	15	MCL	0.410	0.330	0.590	1.20	0.410	0.690	0.940	0.210
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	0.0500	ND	0.0520	ND	ND	0.110
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

**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-October 2022 from Child Development Centers in Zone H1**

<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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H1-BLDG1782		Location ID: H1-BLDG1783		Location ID: H1-BLDG1795		Location ID: H1-BLDG1875	
				Location Type: Child Development Center	Address: Building 1782,CYS / Army Community Center	Location Type: Child Development Center	Address: Building 1783,CDC - Under 6 years	Location Type: Child Development Center	Address: Building 1795,Youth Activities Center	Location Type: Child Development Center	Address: Building 1875,Private/Organizational Club
				Field Sample ID: H1-TW-0017683-22152-A-1	Field Sample ID: H1-TW-0017683-22152-A-2	Field Sample ID: H1-TW-0017684-22152-A-1	Field Sample ID: H1-TW-0017684-22152-A-2	Field Sample ID: H1-TW-0017687-22152-A-1	Field Sample ID: H1-TW-0017687-22152-A-2	Field Sample ID: H1-TW-0017689-22152-A-1	Field Sample ID: H1-TW-0017689-22152-A-2
				Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25	Sample Date: 2022-08-25
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Volatile Organic Compounds (ppb)	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
	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

**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-October 2022 from Child Development Centers in Zone H1**

<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

		<b>Location ID:</b>		H1-BLDG1782		H1-BLDG1783		H1-BLDG1795		H1-BLDG1875	
		<b>Location Type:</b>		Child Development Center		Child Development Center		Child Development Center		Child Development Center	
		<b>Address:</b>		Building 1782,CYS / Army Community Center		Building 1783,CDC - Under 6 years		Building 1795,Youth Activities Center		Building 1875,Private/Organizational Club	
		<b>Field Sample ID:</b>		H1-TW-0017683-22152-A-1	H1-TW-0017683-22152-A-2	H1-TW-0017684-22152-A-1	H1-TW-0017684-22152-A-2	H1-TW-0017687-22152-A-1	H1-TW-0017687-22152-A-2	H1-TW-0017689-22152-A-1	H1-TW-0017689-22152-A-2
		<b>Sample Date:</b>		2022-08-25	2022-08-25	2022-08-25	2022-08-25	2022-08-25	2022-08-25	2022-08-25	2022-08-25
		<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)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	0.880	ND	3.60	3.50
	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	0.880	ND	3.60	3.50
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	1.80	1.80
	Bromoform	--	--	0.310	1.20	0.560	ND	2.30	0.520	12.6	13.4
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	0.390	0.410
	Dibromochloromethane	--	--	0.280	0.430	0.350	ND	0.600	ND	6.20	6.60
	Total Trihalomethanes	80	MCL	0.590	1.63	0.910	ND	2.90	0.520	21.0	22.2

**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-October 2022 from Other Buildings in Zone H1**

<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

<b>Location ID:</b>	H1-BLDG1790
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	Building 1790,Chapel
<b>Field Sample ID:</b>	H1-TW-0017688-22152-A
<b>Sample Date:</b>	2022-10-04
<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	40.0
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	266	ISP	ND
Metals (ppb)	Antimony	6	MCL	0.130
	Arsenic	10	MCL	ND
	Barium	2000	MCL	3.90
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.50
	Copper	1300	MCL	196
	Lead	15	MCL	0.570
	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	ND
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

**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-October 2022 from Other Buildings in Zone H1**

<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

<b>Location ID:</b>	H1-BLDG1790
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	Building 1790,Chapel
<b>Field Sample ID:</b>	H1-TW-0017688-22152-A
<b>Sample Date:</b>	2022-10-04
<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 (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	--	--	1.10
	Dichloroacetic acid	--	--	ND

**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-October 2022 from Other Buildings in Zone H1**

<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

<b>Location ID:</b>	H1-BLDG1790
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	Building 1790,Chapel
<b>Field Sample ID:</b>	H1-TW-0017688-22152-A
<b>Sample Date:</b>	2022-10-04
<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	--	--	0.710
	Bromoform	--	--	6.60
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	2.90
	Total Trihalomethanes	80	MCL	10.2



**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-October 2022 from Hydrants in Zone H1**

<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:	H1-HYD1387A	H1-HYD1396A	H1-HYD1416A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	Hydrant 1387	Hydrant 1396	Hydrant 1416	
		Field Sample ID:	H1-DL-0017756-22152 -A	H1-DL-0017754-22152 -A	H1-DL-0017755-22152 -A	
		Sample Date:	2022-10-03	2022-10-03	2022-10-03	
		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	500	530	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	77.7	69.9	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	77.7	69.9	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.40	2.50	2.20
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.10	1.10	1.10
	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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND

**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-October 2022 from Hydrants in Zone H1**

<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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				H1-HYD1387A	H1-HYD1396A	H1-HYD1416A
				Hydrant	Hydrant	Hydrant
				Hydrant 1387	Hydrant 1396	Hydrant 1416
				H1-DL-0017756-22152-A	H1-DL-0017754-22152-A	H1-DL-0017755-22152-A
				2022-10-03	2022-10-03	2022-10-03
				N (Normal)	N (Normal)	N (Normal)
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	ND
Dichloroacetic acid		--	--	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND

**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-October 2022 from Hydrants in Zone H1**

<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:	H1-HYD1387A	H1-HYD1396A	H1-HYD1416A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	Hydrant 1387	Hydrant 1396	Hydrant 1416	
		Field Sample ID:	H1-DL-0017756-22152 -A	H1-DL-0017754-22152 -A	H1-DL-0017755-22152 -A	
		Sample Date:	2022-10-03	2022-10-03	2022-10-03	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.270	ND
	Bromoform	--	--	0.460	0.810	ND
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.410	0.610	ND
	Total Trihalomethanes	80	MCL	0.870	1.69	ND