

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Residences in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
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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:		A1-ALOH1610		A1-ALOH1624		A1-ASHL5011		A1-ASHL5100		A1-CURT0137		A1-ETCE0267		A1-FARM6013	
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence	
		Address:		1610 Aloha Avenue		1624 Aloha Avenue		5011 Ashley Avenue		5100 Ashley Avenue		137 Curtis Court		267 Etccl Court		6013 Farm Street	
		Field Sample ID:		A1-TW-0001570-22054-3-N	A1-TW-0001570-22054-N	A1-TW-0001584-22054-N	A1-TW-0001289-22054-N	A1-TW-0001292-22054-N	A1-TW-0001301-22054-N	A1-TW-0001236-22054-N	A1-TW-0001258-22054-N						
		Sample Date:		2022-03-15	2022-03-15	2022-03-15	2022-03-14	2022-03-14	2022-03-15	2022-03-16	2022-03-15						
		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	480	480	20.0	420	360	520	300	320						
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	540	ND	ND	480	ND	480						
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	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	211	ISP	ND	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	ND	ND	ND						
	Barium	2000	MCL	2.00	2.00	1.90	2.40	2.20	1.90	2.00	1.80						
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND						
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND						
	Chromium	100	MCL	1.50	1.60	0.960	1.90	1.90	1.10	1.60	0.960						
	Copper	1300	MCL	44.8	42.8	23.3	39.3	33.5	29.0	26.0	25.1						
	Lead	15	MCL	ND	0.130	0.130	0.210	ND	ND	ND	ND						
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND						
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND						
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0550	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	0.380	ND	ND						
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND						
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND						
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND						
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND						

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		Location ID:	A1-ALOH1610		A1-ALOH1624	A1-ASHL5011	A1-ASHL5100	A1-CURT0137	A1-ETCE0267	A1-FARM6013
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1610 Aloha Avenue		1624 Aloha Avenue	5011 Ashley Avenue	5100 Ashley Avenue	137 Curtis Court	267 Etccl Court	6013 Farm Street
		Field Sample ID:	A1-TW-0001570-22054-3-N	A1-TW-0001570-22054-N	A1-TW-0001584-22054-N	A1-TW-0001289-22054-N	A1-TW-0001292-22054-N	A1-TW-0001301-22054-N	A1-TW-0001236-22054-N	A1-TW-0001258-22054-N
		Sample Date:	2022-03-15	2022-03-15	2022-03-15	2022-03-14	2022-03-14	2022-03-15	2022-03-16	2022-03-15
		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	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A1-ALOH1610		A1-ALOH1624	A1-ASHL5011	A1-ASHL5100	A1-CURT0137	A1-ETCE0267	A1-FARM6013
				Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 1610 Aloha Avenue		1624 Aloha Avenue	5011 Ashley Avenue	5100 Ashley Avenue	137 Curtis Court	267 Etccl Court	6013 Farm Street
				Field Sample ID: A1-TW-0001570-22054-3-N	A1-TW-0001570-22054-N	A1-TW-0001584-22054-N	A1-TW-0001289-22054-N	A1-TW-0001292-22054-N	A1-TW-0001301-22054-N	A1-TW-0001236-22054-N	A1-TW-0001258-22054-N
				Sample Date: 2022-03-15	2022-03-15	2022-03-15	2022-03-14	2022-03-14	2022-03-15	2022-03-16	2022-03-15
				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	0.740	0.660	ND	ND	ND	ND
	Bromoform	--	--	0.580	0.550	4.50	2.00	0.670	ND	0.630	0.770
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.540	0.510	1.90	1.70	ND	ND	0.540	ND
	Total Trihalomethanes	80	MCL	1.10	1.10	7.10	4.40	0.670	ND	1.20	0.770

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A1-FRAN3000		A1-LANA4009	A1-LANA4100	A1-LANA4303	A1-LEHU0304		A1-LEHU0308	
				Location Type: Residence		Residence	Residence	Residence	Residence		Residence	
				Address: 3000 Franklin Avenue		4009 Lanakila Avenue	4100 Lanakila Avenue	4303 Lanakila Avenue	304 Lehua Avenue		308 Lehua Avenue	
				Field Sample ID: A1-TW-0001629-22054-3-N		A1-TW-0001629-22054-N	A1-TW-0001657-22054-N	A1-TW-0001658-22054-N	A1-TW-0001497-22054-N	A1-TW-0001515-22054-3-N	A1-TW-0001515-22054-N	A1-TW-0001517-22054-N
				Sample Date: 2022-03-15		2022-03-15	2022-03-14	2022-03-15	2022-03-16	2022-03-14	2022-03-14	2022-03-14
				Sample Type: FD (Field Duplicate)		N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	ND	ND	180	ND	470	540	540	460	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	650	540	ND	ND	590	280	720	540	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	55.0	
	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	55.0	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.80	1.70	1.90	1.90	1.90	2.20	2.20	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	1.10	0.960	1.70	0.980	1.70	1.80	1.70	1.60	
	Copper	1300	MCL	32.4	41.1	49.2	13.1	30.0	17.7	18.0	21.8	
	Lead	15	MCL	ND	ND	0.210	0.160	0.170	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	0.0690	ND	ND	0.0550	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A1-FRAN3000		A1-LANA4009	A1-LANA4100	A1-LANA4303	A1-LEHU0304		A1-LEHU0308
				Location Type: Residence		Residence	Residence	Residence	Residence		Residence
				Address: 3000 Franklin Avenue		4009 Lanakila Avenue	4100 Lanakila Avenue	4303 Lanakila Avenue	304 Lehua Avenue		308 Lehua Avenue
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				Sample Date: 2022-03-15	2022-03-15	2022-03-14	2022-03-15	2022-03-16	2022-03-14	2022-03-14	2022-03-14
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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				Residence		Residence	Residence	Residence	Residence		Residence
				3000 Franklin Avenue		4009 Lanakila Avenue	4100 Lanakila Avenue	4303 Lanakila Avenue	304 Lehua Avenue		308 Lehua Avenue
				A1-TW-0001629-22054-3-N	A1-TW-0001629-22054-N	A1-TW-0001657-22054-N	A1-TW-0001658-22054-N	A1-TW-0001497-22054-N	A1-TW-0001515-22054-3-N	A1-TW-0001515-22054-N	A1-TW-0001517-22054-N
				2022-03-15	2022-03-15	2022-03-14	2022-03-15	2022-03-16	2022-03-14	2022-03-14	2022-03-14
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	0.810	0.800	0.890
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	0.700	0.660	1.00
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	1.50	1.50	2.40

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				A1-LEHU0310	A1-LEHU0418	A1-LEHU0500		A1-LEHU0507	A1-LEHU0514	A1-LOCH7002	A1-LOWE1103
				Residence	Residence	Residence		Residence	Residence	Residence	Residential Child Care
				310 Lehua Avenue	418 Lehua Avenue	500 Lehua Avenue		507 Lehua Avenue	514 Lehua Avenue	7002 Loch Street	1103 Lowella Ave (CDH)
				A1-TW-0001518-22054-N	A1-TW-0000413-22054-N	A1-TW-0001672-22054-3-N	A1-TW-0001672-22054-N	A1-TW-0001679-22054-N	A1-TW-0001686-22054-N	A1-TW-0001722-22054-N	A1-TW-0017808-22054-N
				2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-15	2022-03-14	2022-03-14	2022-03-14
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	410	570	270	270	110	570	90.0	200
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	300	570	550	730	660	470	460	250
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	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	211	ISP	ND	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	ND	ND	ND
	Barium	2000	MCL	2.20	2.10	2.00	2.00	1.90	2.00	2.40	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.70	2.00	1.80	1.80	1.10	1.80	1.90	1.00
	Copper	1300	MCL	33.0	26.4	28.9	30.1	70.0	47.8	26.1	23.8
	Lead	15	MCL	ND	ND	ND	ND	0.220	0.220	0.220	0.500
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	0.0540	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 A1 Long Term Monitoring
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				Location Type:	Location Type:	Location Type:		Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	A1-LEHU0310 Residence 310 Lehua Avenue A1-TW-0001518-22054-N 2022-03-14 N (Normal)	A1-LEHU0418 Residence 418 Lehua Avenue A1-TW-0000413-22054-N 2022-03-14 N (Normal)	A1-LEHU0500 Residence 500 Lehua Avenue A1-TW-0001672-22054-3-N 2022-03-14 FD (Field Duplicate)	A1-LEHU0507 Residence 507 Lehua Avenue A1-TW-0001679-22054-N 2022-03-15 N (Normal)	A1-LEHU0514 Residence 514 Lehua Avenue A1-TW-0001686-22054-N 2022-03-14 N (Normal)	A1-LOCH7002 Residence 7002 Loch Street A1-TW-0001722-22054-N 2022-03-14 N (Normal)	A1-LOWE1103 Residential Child Care 1103 Lowella Ave (CDH) A1-TW-0017808-22054-N 2022-03-14 N (Normal)	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	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	A1-LEHU0310	A1-LEHU0418	A1-LEHU0500		A1-LEHU0507	A1-LEHU0514	A1-LOCH7002	A1-LOWE1103	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residential Child Care	
		Address:	310 Lehua Avenue	418 Lehua Avenue	500 Lehua Avenue		507 Lehua Avenue	514 Lehua Avenue	7002 Loch Street	1103 Lowella Ave (CDH)	
		Field Sample ID:	A1-TW-0001518-22054-N	A1-TW-0000413-22054-N	A1-TW-0001672-22054-3-N	A1-TW-0001672-22054-N	A1-TW-0001679-22054-N	A1-TW-0001686-22054-N	A1-TW-0001722-22054-N	A1-TW-0017808-22054-N	
		Sample Date:	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-15	2022-03-14	2022-03-14	2022-03-14	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	--	--	1.00	ND	ND	ND	ND	ND	1.10	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	1.00	ND	ND	ND	ND	ND	1.10	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	0.550	ND
	Bromoform	--	--	1.00	0.840	1.10	0.610	1.50	0.660	1.50	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.840	0.620	0.980	ND	ND	ND	1.30	ND
	Total Trihalomethanes	80	MCL	1.90	1.50	2.00	0.610	1.50	0.660	3.40	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-PARK0178		A1-PARK0190		A1-PARK0222	A1-ROBI1215	A1-ROBI1309	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
				A1-PALM1826 Residence 1826 Palm Avenue	A1-TW-0001736-22054-N 2022-03-15 N (Normal)	A1-TW-0001758-22054-3-N 2022-03-15 FD (Field Duplicate)	A1-TW-0001758-22054-N 2022-03-15 N (Normal)	A1-TW-0001762-22054-3-N 2022-03-14 FD (Field Duplicate)	A1-TW-0001762-22054-N 2022-03-14 N (Normal)	A1-TW-0001777-22054-N 2022-03-15 N (Normal)	A1-TW-0001353-22054-N 2022-03-14 N (Normal)	A1-TW-0000437-22054-N 2022-03-15 N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	500	500	500	ND	ND	140	40.0	460	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	550	460	570	480	540	590	570	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	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	211	ISP	ND	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	ND	ND	ND	
	Barium	2000	MCL	2.00	1.80	1.80	1.80	1.70	1.80	1.90	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	0.850	1.10	1.00	1.90	1.70	0.950	1.70	1.10	
	Copper	1300	MCL	20.0	16.9	18.0	26.6	37.5	24.5	20.8	69.6	
	Lead	15	MCL	ND	ND	ND	0.180	1.10	ND	ND	0.210	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	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	0.520	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-PARK0178		A1-PARK0190		A1-PARK0222	A1-ROBI1215	A1-ROBI1309	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
				A1-PALM1826 Residence 1826 Palm Avenue	A1-TW-0001736-22054-N 2022-03-15 N (Normal)	A1-TW-0001758-22054-3-N 2022-03-15 FD (Field Duplicate)	A1-TW-0001758-22054-N 2022-03-15 N (Normal)	A1-TW-0001762-22054-3-N 2022-03-14 FD (Field Duplicate)	A1-TW-0001762-22054-N 2022-03-14 N (Normal)	A1-TW-0001777-22054-N 2022-03-15 N (Normal)	A1-TW-0001353-22054-N 2022-03-14 N (Normal)	A1-TW-0000437-22054-N 2022-03-15 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	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-PARK0178		A1-PARK0190		A1-PARK0222	A1-ROBI1215	A1-ROBI1309	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
				A1-PALM1826 Residence 1826 Palm Avenue	A1-TW-0001736-22054-N 2022-03-15 N (Normal)	A1-TW-0001758-22054-3-N 2022-03-15 FD (Field Duplicate)	A1-TW-0001758-22054-N 2022-03-15 N (Normal)	A1-TW-0001762-22054-3-N 2022-03-14 FD (Field Duplicate)	A1-TW-0001762-22054-N 2022-03-14 N (Normal)	A1-TW-0001777-22054-N 2022-03-15 N (Normal)	A1-TW-0001353-22054-N 2022-03-14 N (Normal)	A1-TW-0000437-22054-N 2022-03-15 N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	0.940	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	0.940	ND	ND	ND

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		Location ID:	A1-WAIA2396	A1-WAIA2427	A1-WAIA6977	A1-WAIE7008	A1-WAIK2224	A1-WAIK2243	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2396 Waianiani Court	2427 Waianiani Court	6977 Waiauau Court	7008 Waiea Court	2224 Waikahe Court	2243 Waikahe Court	
		Field Sample ID:	A1-TW-0001383-22054-N	A1-TW-0001398-22054-N	A1-TW-0001420-22054-N	A1-TW-0001430-22054-N	A1-TW-0001441-22054-N	A1-TW-0001449-22054-N	
		Sample Date:	2022-03-14	2022-03-15	2022-03-14	2022-03-15	2022-03-15	2022-03-14	
		Sample Type:	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	110	290	70.0	ND	340	480
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	440	560	570	640	460	570
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	1.90	1.80	1.60	1.70	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.10	1.80	1.00	1.10	1.10
	Copper	1300	MCL	45.8	36.2	53.3	75.5	34.0	38.4
	Lead	15	MCL	0.210	0.300	0.170	ND	ND	1.10
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	0.440	ND	ND	ND	0.440
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND

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		Location ID:	A1-WAIA2396	A1-WAIA2427	A1-WAIA6977	A1-WAIE7008	A1-WAIK2224	A1-WAIK2243
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2396 Waianiani Court	2427 Waianiani Court	6977 Waiauau Court	7008 Waiea Court	2224 Waikahe Court	2243 Waikahe Court
		Field Sample ID:	A1-TW-0001383-22054-N	A1-TW-0001398-22054-N	A1-TW-0001420-22054-N	A1-TW-0001430-22054-N	A1-TW-0001441-22054-N	A1-TW-0001449-22054-N
		Sample Date:	2022-03-14	2022-03-15	2022-03-14	2022-03-15	2022-03-15	2022-03-14
		Sample Type:	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
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Residences in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-WAIA2396	A1-WAIA2427	A1-WAIA6977	A1-WAIE7008	A1-WAIK2224	A1-WAIK2243
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2396 Waianiani Court	2427 Waianiani Court	6977 Waiauau Court	7008 Waiea Court	2224 Waikahe Court	2243 Waikahe Court
		Field Sample ID:	A1-TW-0001383-22054-N	A1-TW-0001398-22054-N	A1-TW-0001420-22054-N	A1-TW-0001430-22054-N	A1-TW-0001441-22054-N	A1-TW-0001449-22054-N
		Sample Date:	2022-03-14	2022-03-15	2022-03-14	2022-03-15	2022-03-15	2022-03-14
		Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	2.20	ND
	Bromoform	--	--	0.890	1.50	2.40	30.9	1.30
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.700	0.840	1.30	11.7	0.780
	Total Trihalomethanes	80	MCL	1.60	2.30	3.70	45.3	2.10

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Other Buildings in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
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	A1-BLDG01028	A1-BLDG01029
Field Test (ppb)	Free Chlorine	4000	MCL	320	300
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	710	530
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	3.20	2.10
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.10	1.10
	Copper	1300	MCL	61.5	195
	Lead	15	MCL	0.550	ND
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	ND
Thallium	2	MCL	ND	ND	
Synthetic Organic Compounds (ppb)	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	0.570	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND

Location ID:	A1-BLDG01028	A1-BLDG01029
Location Type:	Non-Residence	Non-Residence
Address:	Building 1028,LOGSU 3 ADMIN OFFICE	Building 1029,ARMORY 01
Field Sample ID:	A1-TW-0014249- 22054-N	A1-TW-0014251- 22054-N
Sample Date:	2022-03-14	2022-03-14
Sample Type:	N (Normal)	N (Normal)

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Other Buildings in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
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 Information	
				Location ID	Location Type
				A1-BLDG01028	A1-BLDG01029
				Non-Residence	Non-Residence
				Building 1028,LOGSU 3 ADMIN OFFICE	Building 1029,ARMORY 01
				A1-TW-0014249- 22054-N	A1-TW-0014251- 22054-N
				2022-03-14	2022-03-14
				N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND
	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	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

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Other Buildings in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
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: A1-BLDG01028		Location ID: A1-BLDG01029	
				Location Type: Non-Residence	Address: Building 1028,LOGSU 3 ADMIN OFFICE	Location Type: Non-Residence	Address: Building 1029,ARMORY 01
				Field Sample ID: A1-TW-0014249-22054-N	Field Sample ID: A1-TW-0014251-22054-N	Sample Date: 2022-03-14	Sample Date: 2022-03-14
				Sample Type: N (Normal)	Sample Type: N (Normal)		
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	2.60		
	Dichloroacetic acid	--	--	ND	ND		
	Trichloroacetic acid	--	--	ND	ND		
	Total Haloacetic acids	60	MCL	ND	2.60		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.770	0.800		
	Bromoform	--	--	2.10	5.30		
	Chloroform	--	--	ND	ND		
	Dibromochloromethane	--	--	1.70	2.30		
	Total Trihalomethanes	80	MCL	4.50	8.40		

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72	
		Field Sample ID:	A1-DL-0016026-22054 -N	A1-DL-0016024-22054 -N	A1-DL-0000510-22054 -N	A1-DL-0016023-22054 -N	A1-DL-0016025-22054 -N	A1-DL-0016027-22054 -N	
		Sample Date:	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14	
		Sample Type:	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	360	390	870	70.0	440	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	700	520	590	560	560	480
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	7.30	2.80	2.10	1.40	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.60	1.70	1.70	0.700	1.80	1.80
	Copper	1300	MCL	2.10	3.70	16.1	1.30	4.10	6.90
	Lead	15	MCL	0.590	0.430	0.910	0.250	0.810	1.50
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.310	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72
		Field Sample ID:	A1-DL-0016026-22054 -N	A1-DL-0016024-22054 -N	A1-DL-0000510-22054 -N	A1-DL-0016023-22054 -N	A1-DL-0016025-22054 -N	A1-DL-0016027-22054 -N
		Sample Date:	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14
		Sample Type:	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
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	1.10	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72
		Field Sample ID:	A1-DL-0016026-22054 -N	A1-DL-0016024-22054 -N	A1-DL-0000510-22054 -N	A1-DL-0016023-22054 -N	A1-DL-0016025-22054 -N	A1-DL-0016027-22054 -N
		Sample Date:	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14	2022-03-14
		Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	1.10	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.30	0.820	ND	ND	ND
	Bromoform	--	--	29.8	2.40	ND	ND	0.520
	Chloroform	--	--	0.900	ND	ND	ND	ND
	Dibromochloromethane	--	--	8.40	1.90	ND	ND	ND
	Total Trihalomethanes	80	MCL	41.4	5.10	ND	ND	0.520