

**Summary of Chemistry Results
Zone A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Residences in Zone A2

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
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-CATA1197		A2-DAUN4918	A2-KAME4772	A2-KAME5063	A2-KAME5069	A2-KAME5170	
				Location Type:	Residence		Residence	Residence	Residential Child Care	Residential Child Care	Residence	
				Address:	1197 Catalina Drive		4918 Dauntless Drive	4772 Kamehameha Loop	5063 Kamehameha Loop (CDH)	5069 Kamehameha Loop (CDH)	5170 Kamehameha Loop	
				Field Sample ID:	A2-TW-0001814-22060-N	A2-TW-0001819-22060-3-N	A2-TW-0001819-22060-N	A2-TW-0001840-22060-N	A2-TW-0001863-22060-N	A2-TW-0001928-22060-N	A2-TW-0001932-22060-N	A2-TW-0001949-22060-N
				Sample Date:	2022-03-16	2022-03-17	2022-03-17	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	250	620	620	310	280	450	550	340	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	540	570	580	ND	300	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	50.4	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	50.4	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	1.90	1.80	1.80	1.90	1.80	1.80	1.80	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	0.100	ND	ND	ND	
	Chromium	100	MCL	1.60	1.40	1.40	1.60	1.60	1.50	1.50	1.50	
	Copper	1300	MCL	74.6	37.1	37.1	58.1	71.9	50.5	57.6	49.9	
	Lead	15	MCL	0.420	0.320	0.340	0.590	0.210	ND	0.360	0.200	
	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	0.470	0.480	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-CATA1197		A2-DAUN4918	A2-KAME4772	A2-KAME5063	A2-KAME5069	A2-KAME5170	
				A2-CATA1180	Residence		Residence	Residence	Residence	Residential Child Care	Residential Child Care	Residence
				Address:	1197 Catalina Drive		4918 Dauntless Drive	4772 Kamehameha Loop	5063 Kamehameha Loop (CDH)	5069 Kamehameha Loop (CDH)	5170 Kamehameha Loop	
				Field Sample ID:	A2-TW-0001814-22060-N	A2-TW-0001819-22060-3-N	A2-TW-0001819-22060-N	A2-TW-0001840-22060-N	A2-TW-0001863-22060-N	A2-TW-0001928-22060-N	A2-TW-0001932-22060-N	A2-TW-0001949-22060-N
				Sample Date:	2022-03-16	2022-03-17	2022-03-17	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene	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 Type:	Residence		Residence	Residence	Residential Child Care	Residential Child Care	Residence	
				Address:	1197 Catalina Drive		4918 Dauntless Drive	4772 Kamehameha Loop	5063 Kamehameha Loop (CDH)	5069 Kamehameha Loop (CDH)	5170 Kamehameha Loop	
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				Sample Date:	2022-03-16	2022-03-17	2022-03-17	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	0.660	ND	ND	2.40	ND	ND	ND	2.70	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.570	ND	ND	1.60	ND	ND	ND	1.60	
	Total Trihalomethanes	80	MCL	1.20	ND	ND	4.40	ND	ND	ND	4.80	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A2-KAME5185	A2-KAME5264	A2-LEXI4676	A2-MARY4702	A2-MARY4712	A2-NEVA4668	A2-NEVA4684	A2-NEVA4710
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	5185 Kamehameha Loop	5264 Kamehameha Loop	4676 Lexington Boulevard	4702 Maryland Street	4712 Maryland Street	4668 Nevada Street	4684 Nevada Street	4710 Nevada Street
				Field Sample ID:	A2-TW-0001953-22060-N	A2-TW-0001971-22060-N	A2-TW-0000411-22060-N	A2-TW-0001990-22060-N	A2-TW-0001998-22060-N	A2-TW-0000396-22060-N	A2-TW-0002005-22060-N	A2-TW-0002015-22060-3-N
				Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Field Test (ppb)	Free Chlorine	4000	MCL	320	150	470	500	550	510	540	30.0	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	510	ND	ND	ND	290	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	53.0	ND	56.5	50.0	ND	84.5	57.8	
	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	53.0	ND	56.5	50.0	ND	84.5	57.8	
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	1.70	1.80	1.90	1.80	1.80	1.90	1.80	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	1.50	1.50	1.60	1.70	1.60	1.60	1.60	
	Copper	1300	MCL	88.1	53.4	12.3	12.0	3.80	18.2	10.2	9.30	
	Lead	15	MCL	1.70	0.540	0.620	0.370	0.270	0.740	0.620	0.530	
	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	0.610	ND	0.570	0.580	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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		Location ID:	A2-KAME5185	A2-KAME5264	A2-LEXI4676	A2-MARY4702	A2-MARY4712	A2-NEVA4668	A2-NEVA4684	A2-NEVA4710	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5185 Kamehameha Loop	5264 Kamehameha Loop	4676 Lexington Boulevard	4702 Maryland Street	4712 Maryland Street	4668 Nevada Street	4684 Nevada Street	4710 Nevada Street	
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		Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A2-KAME5185	A2-KAME5264	A2-LEXI4676	A2-MARY4702	A2-MARY4712	A2-NEVA4668	A2-NEVA4684	A2-NEVA4710
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	70	MCL	0.660	0.580	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	0.660	0.580	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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		Address:	5185 Kamehameha Loop	5264 Kamehameha Loop	4676 Lexington Boulevard	4702 Maryland Street	4712 Maryland Street	4668 Nevada Street	4684 Nevada Street	4710 Nevada Street
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		Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.680	ND	ND	ND	ND	1.90
	Bromoform	--	--	0.920	3.00	0.560	ND	0.600	1.40	0.680
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	2.30
	Dibromochloromethane	--	--	0.630	1.90	0.570	ND	0.550	1.30	0.660
	Total Trihalomethanes	80	MCL	1.60	5.60	1.10	ND	1.20	2.70	1.30

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				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residential Child Care
					4710 Nevada Street	1019 Saratoga Boulevard	4924 Tomahawk Street	4956 Tomahawk Street		4971 Tomahawk Street	4950 Wasp BLVD (CDH)	1040 West Virginia Street
					A2-TW-0002015-22060-N	A2-TW-0002045-22060-N	A2-TW-0002074-22060-N	A2-TW-0002092-22060-3-N	A2-TW-0002092-22060-N	A2-TW-0002098-22060-N	A2-TW-0002124-22060-N	A2-TW-0002146-22060-N
					2022-03-16	2022-03-16	2022-03-16	2022-03-17	2022-03-17	2022-03-18	2022-03-16	2022-03-16
					N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	610	330	480	480	640	750	610	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	60.9	ND	ND	ND	ND	53.0	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	60.9	ND	ND	ND	ND	53.0	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.90	1.90	1.90	1.90	1.90	1.90	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	1.40	1.50	1.50	1.30	1.40	1.20	1.60	1.60	
	Copper	1300	MCL	9.40	8.20	114	66.4	65.5	27.4	49.8	6.70	
	Lead	15	MCL	0.540	0.480	0.620	0.550	0.570	0.330	0.300	0.340	
	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	ND	ND	0.0650	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	0.470	ND	ND	ND	ND	ND	ND	0.610	
	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 A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Residences in Zone A2

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:	A2-NEVA4710	A2-SARA1019	A2-TOMA4924	A2-TOMA4956		A2-TOMA4971	A2-WASP4950	A2-WEST1040
				Location Type:	Residence	Residence	Residence	Residence		Residence	Residential Child Care	Residence
				Address:	4710 Nevada Street	1019 Saratoga Boulevard	4924 Tomahawk Street	4956 Tomahawk Street		4971 Tomahawk Street	4950 Wasp BLVD (CDH)	1040 West Virginia Street
				Field Sample ID:	A2-TW-0002015-22060-N	A2-TW-0002045-22060-N	A2-TW-0002074-22060-N	A2-TW-0002092-22060-3-N	A2-TW-0002092-22060-N	A2-TW-0002098-22060-N	A2-TW-0002124-22060-N	A2-TW-0002146-22060-N
				Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-17	2022-03-17	2022-03-18	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	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 A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Residences in Zone A2

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:	A2-NEVA4710	A2-SARA1019	A2-TOMA4924	A2-TOMA4956		A2-TOMA4971	A2-WASP4950	A2-WEST1040
				Location Type:	Residence	Residence	Residence	Residence		Residence	Residential Child Care	Residence
				Address:	4710 Nevada Street	1019 Saratoga Boulevard	4924 Tomahawk Street	4956 Tomahawk Street		4971 Tomahawk Street	4950 Wasp BLVD (CDH)	1040 West Virginia Street
				Field Sample ID:	A2-TW-0002015-22060-N	A2-TW-0002045-22060-N	A2-TW-0002074-22060-N	A2-TW-0002092-22060-3-N	A2-TW-0002092-22060-N	A2-TW-0002098-22060-N	A2-TW-0002124-22060-N	A2-TW-0002146-22060-N
				Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-17	2022-03-17	2022-03-18	2022-03-16	2022-03-16
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	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	--	--	2.00	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	10.2	ND	0.800	0.570	0.730	ND	0.650	ND	ND
	Chloroform	--	--	1.80	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	5.80	ND	0.600	ND	0.660	ND	0.600	ND	ND
	Total Trihalomethanes	80	MCL	19.8	ND	1.40	0.570	1.40	ND	1.20	ND	ND

**Summary of Chemistry Results
Zone A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Child Development Centers in Zone A2

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:	A2-BLDG0570	
Location Type:	Child Development Center	
Address:	Building 570,CHILD DEVELOPMENT CENTER	
Field Sample ID:	A2-TW-0014310-22060-N-1	A2-TW-0014310-22060-N-2
Sample Date:	2022-03-17	2022-03-17
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	350-600	350-600
Field Test (ppb)	Free Chlorine	4000	MCL	350-600	350-600
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	270
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.1	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	58.1	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.00	1.80
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.30	1.40
	Copper	1300	MCL	43.7	25.2
	Lead	15	MCL	ND	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	ND	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND

**Summary of Chemistry Results
Zone A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Child Development Centers in Zone A2

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:	A2-BLDG0570	
Location Type:	Child Development Center	
Address:	Building 570,CHILD DEVELOPMENT CENTER	
Field Sample ID:	A2-TW-0014310-22060-N-1	A2-TW-0014310-22060-N-2
Sample Date:	2022-03-17	2022-03-17
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND
	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	

**Summary of Chemistry Results
Zone A2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Child Development Centers in Zone A2

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:	A2-BLDG0570	
Location Type:	Child Development Center	
Address:	Building 570,CHILD DEVELOPMENT CENTER	
Field Sample ID:	A2-TW-0014310-22060-N-1	A2-TW-0014310-22060-N-2
Sample Date:	2022-03-17	2022-03-17
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	ND
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND

**Summary of Chemistry Results
Zone A2 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 A2

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:	A2-BLDG0026	A2-BLDG0037	A2-BLDG0076	A2-BLDG0187	A2-BLDG0289	A2-BLDG4989A	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 26,ATG ADMIN/TRAINING BLDG	Building 37,PEARL HARBOR AVIATION MUSEUM (PHAM)	Building 76,ADMIN BLDG	Building 187,NAVY LODGE ANNEX	Building 289,NAVY LODGE LAUNDRY BLDG	Building 4989A,COMMUNITY CENTER	
		Field Sample ID:	A2-TW-0014263- 22060-N	A2-TW-0014266- 22060-N	A2-TW-0014273- 22060-N	A2-TW-0014286- 22060-N	A2-TW-0014292- 22060-N	A2-TW-0014347- 22060-N	
		Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	
		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	310	380	200	420	300	450
Field Test (ppb)	Free Chlorine	4000	MCL	310	380	200	420	300	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	530	210	560	ND	550	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	54.0	55.6	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	54.0	55.6	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.10	2.00	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.40	1.60	1.40	1.50	1.60	1.50
	Copper	1300	MCL	44.2	100	181	20.0	10.9	37.7
	Lead	15	MCL	0.320	0.990	0.420	0.160	ND	0.440
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND
Thallium	2	MCL	ND	ND	ND	ND	ND	0.0720	
Synthetic Organic Compounds (ppb)	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	0.480	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A2 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 A2

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:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:
				A2-BLDG0026	A2-BLDG0037	A2-BLDG0076	A2-BLDG0187	A2-BLDG0289	A2-BLDG4989A
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:	Address:	Address:	Address:
				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 Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone A2 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 A2

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:	A2-BLDG0026	A2-BLDG0037	A2-BLDG0076	A2-BLDG0187	A2-BLDG0289	A2-BLDG4989A
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		Address:	Building 26,ATG ADMIN/TRAINING BLDG	Building 37,PEARL HARBOR AVIATION MUSEUM (PHAM)	Building 76,ADMIN BLDG	Building 187,NAVY LODGE ANNEX	Building 289,NAVY LODGE LAUNDRY BLDG	Building 4989A,COMMUNITY CENTER
		Field Sample ID:	A2-TW-0014263- 22060-N	A2-TW-0014266- 22060-N	A2-TW-0014273- 22060-N	A2-TW-0014286- 22060-N	A2-TW-0014292- 22060-N	A2-TW-0014347- 22060-N
		Sample Date:	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16	2022-03-16
		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)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	2.70
	Bromoform	--	--	ND	0.550	1.40	ND	4.40
	Chloroform	--	--	ND	ND	ND	ND	1.90
	Dibromochloromethane	--	--	ND	ND	0.920	ND	5.00
	Total Trihalomethanes	80	MCL	ND	1.00	2.30	ND	14.0

**Summary of Chemistry Results
Zone A2 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 A2

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:	A2-HYD214	A2-HYD39	A2-HYD5-25	A2-HYD543	A2-HYD6-2	A2-HYD7-13	A2-HYD7-4	A2-HYD812	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH 214	FH 39	FH 5-25	FH ID: 3-1	FH 6-2	FH 7-13	FH 7-4	FH 812	
		Field Sample ID:	A2-DL-0017662-22060 -N	A2-DL-0017663-22060 -N	A2-DL-0017659-22060 -N	A2-DL-0000507-22060 -N	A2-DL-0017660-22060 -N	A2-DL-0017655-22060 -N	A2-DL-0017658-22060 -N	A2-DL-0017661-22060 -N	
		Sample Date:	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	350	510	390	410	430	510	490	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	620	600	600	660	630	590	680	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	4.40	1.90	1.90	2.30	2.00	2.00	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.20	0.990	1.60	1.40	1.10	1.30	1.50	1.10
	Copper	1300	MCL	3.20	4.20	5.50	6.30	6.00	6.60	6.60	4.50
	Lead	15	MCL	0.320	0.300	0.650	0.580	0.490	1.70	2.10	0.520
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	0.470
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	0.470	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

**Summary of Chemistry Results
Zone A2 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 A2

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

		Location ID:	A2-HYD214	A2-HYD39	A2-HYD5-25	A2-HYD543	A2-HYD6-2	A2-HYD7-13	A2-HYD7-4	A2-HYD812	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH 214	FH 39	FH 5-25	FH ID: 3-1	FH 6-2	FH 7-13	FH 7-4	FH 812	
		Field Sample ID:	A2-DL-0017662-22060 -N	A2-DL-0017663-22060 -N	A2-DL-0017659-22060 -N	A2-DL-0000507-22060 -N	A2-DL-0017660-22060 -N	A2-DL-0017655-22060 -N	A2-DL-0017658-22060 -N	A2-DL-0017661-22060 -N	
		Sample Date:	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	
		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	A2-HYD214	A2-HYD39	A2-HYD5-25	A2-HYD543	A2-HYD6-2	A2-HYD7-13	A2-HYD7-4	A2-HYD812
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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		Location ID:	A2-HYD214	A2-HYD39	A2-HYD5-25	A2-HYD543	A2-HYD6-2	A2-HYD7-13	A2-HYD7-4	A2-HYD812
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH 214	FH 39	FH 5-25	FH ID: 3-1	FH 6-2	FH 7-13	FH 7-4	FH 812
		Field Sample ID:	A2-DL-0017662-22060 -N	A2-DL-0017663-22060 -N	A2-DL-0017659-22060 -N	A2-DL-0000507-22060 -N	A2-DL-0017660-22060 -N	A2-DL-0017655-22060 -N	A2-DL-0017658-22060 -N	A2-DL-0017661-22060 -N
		Sample Date:	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15	2022-03-15
		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)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	1.30	ND	ND	0.540	ND	ND	ND
	Bromoform	--	--	3.20	ND	0.620	1.20	ND	ND	0.600
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	3.10	ND	0.590	1.10	ND	ND	ND
	Total Trihalomethanes	80	MCL	7.70	ND	1.20	2.90	ND	ND	1.10

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-HYD84		A2-HYDZ-16
				Location Type: Hydrant	Address: FH 84	Hydrant FH Z-16
				Field Sample ID: A2-DL-0017657-22060-3-N	A2-DL-0017657-22060-N	A2-DL-0017656-22060-N
				Sample Date: 2022-03-15	2022-03-15	2022-03-15
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	540	540	560
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	650	ND	670
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.60	1.20	1.30
	Copper	1300	MCL	4.90	4.70	4.10
	Lead	15	MCL	0.870	0.700	0.490
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	0.310	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-HYD84		A2-HYDZ-16
				Location Type: Hydrant	Address: FH 84	Hydrant FH Z-16
				Field Sample ID: A2-DL-0017657-22060-3-N	A2-DL-0017657-22060-N	A2-DL-0017656-22060-N
				Sample Date: 2022-03-15	2022-03-15	2022-03-15
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A2-HYD84		Location ID: A2-HYDZ-16	
				Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location Type: Hydrant		Location Type: Hydrant	
				Address: FH 84		Address: FH Z-16	
				A2-DL-0017657-22060-3-N	2022-03-15	A2-DL-0017657-22060-N	2022-03-15
				FD (Field Duplicate)		N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND