

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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§ - 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	F2-ANDE2811		F2-ANDE2817	F2-ANDE2818	F2-ANDE2822		F2-ANDE2827	F2-ANDE2830
				Residence	Residence	Residence	Residence	Residence	Residence		
				2811 Anderson Avenue		2817 Anderson Avenue	2818 Anderson Avenue	2822 Anderson Avenue		2827 Anderson Avenue	2830 Anderson Avenue
				F2-TW-0010736-22160-3-N	F2-TW-0010736-22160-N	F2-TW-0010738-22160-N	F2-TW-0010739-22160-N	F2-TW-0010741-22160-3-N	F2-TW-0010741-22160-N	F2-TW-0010743-22160-N	F2-TW-0010744-22160-N
				2022-09-13	2022-09-13	2022-09-12	2022-08-03	2022-09-15	2022-09-15	2022-09-12	2022-09-13
				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	480	480	210	230	420	420	390	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	830	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	51.2	96.7	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	51.2	96.7	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	2.10	2.10	2.10	2.10	2.00	2.10	2.10	2.10
	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	1.90	1.90	2.00	1.40	1.80	2.20	1.90	1.90
	Copper	1300	MCL	3.40	6.70	5.90	2.60	4.10	4.60	15.9	4.20
	Lead	15	MCL	ND	0.470	0.170	0.130	ND	ND	0.300	0.140
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.700	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	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:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:
				2811 Anderson Avenue	Residence	2817 Anderson Avenue	2818 Anderson Avenue	2822 Anderson Avenue	2827 Anderson Avenue	2830 Anderson Avenue	
				F2-TW-0010736-22160-3-N	F2-TW-0010736-22160-N	F2-TW-0010738-22160-N	F2-TW-0010739-22160-N	F2-TW-0010741-22160-3-N	F2-TW-0010741-22160-N	F2-TW-0010743-22160-N	F2-TW-0010744-22160-N
				2022-09-13	2022-09-13	2022-09-12	2022-08-03	2022-09-15	2022-09-15	2022-09-12	2022-09-13
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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 (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

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				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:
				2811 Anderson Avenue	Residence	2817 Anderson Avenue	Residence	2818 Anderson Avenue	Residence	2822 Anderson Avenue	Residence	2827 Anderson Avenue	Residence	2830 Anderson Avenue	Residence
				F2-TW-0010736-22160-3-N	F2-TW-0010736-22160-N	F2-TW-0010738-22160-N	F2-TW-0010739-22160-N	F2-TW-0010741-22160-3-N	F2-TW-0010741-22160-N	F2-TW-0010743-22160-N	F2-TW-0010744-22160-N	F2-TW-0010743-22160-N	F2-TW-0010744-22160-N	F2-TW-0010744-22160-N	F2-TW-0010744-22160-N
				2022-09-13	2022-09-13	2022-09-12	2022-08-03	2022-09-15	2022-09-15	2022-09-12	2022-09-13	2022-09-12	2022-09-13	2022-09-13	2022-09-13
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	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	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	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	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.320	0.380	0.460	0.730	0.410	0.420	0.390	0.320	0.390	0.420	0.390	0.320
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.290	0.270	ND	0.580	0.300	0.280	0.260	0.310	0.260	0.280	0.260	0.310
	Total Trihalomethanes	80	MCL	0.610	0.650	0.460	1.31	0.710	0.700	0.650	0.630	0.650	0.700	0.650	0.630

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-ANDE2918		F2-ANDE2986	F2-ARIZ2781	F2-ARIZ2784	F2-ARIZ2790	F2-ARIZ2792	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2918 Anderson Avenue		2986 Anderson Avenue	2781 Arizona Road	2784 Arizona Road	2790 Arizona Road	2792 Arizona Road	
				Field Sample ID:	F2-TW-0010757-22160-N	F2-TW-0009592-22160-3-N	F2-TW-0009592-22160-N	F2-TW-0009605-22160-N	F2-TW-0010779-22160-N	F2-TW-0010782-22160-N	F2-TW-0010783-22160-N	F2-TW-0010785-22160-N
				Sample Date:	2022-06-30	2022-09-07	2022-09-07	2022-07-05	2022-08-04	2022-07-01	2022-09-07	2022-09-09
				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	570	290	290	490	400	400	460	890	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	68.3	ND	51.5	ND	ND	54.8	
	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	266	ISP	ND	ND	68.3	ND	51.5	ND	ND	54.8	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.120	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	1.00	ND	ND	ND	ND	
	Barium	2000	MCL	2.10	2.20	2.10	2.00	2.20	2.10	2.00	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	1.70	1.50	1.10	1.60	1.30	1.60	1.60	
	Copper	1300	MCL	27.7	4.30	4.00	3.60	3.90	56.6	4.90	5.30	
	Lead	15	MCL	0.160	ND	ND	0.180	0.270	0.370	0.330	0.320	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	1.10	ND	0.310	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2918 Anderson Avenue		2986 Anderson Avenue	2781 Arizona Road	2784 Arizona Road	2790 Arizona Road	2792 Arizona Road	
				Field Sample ID:	F2-TW-0010757-22160-N	F2-TW-0009592-22160-3-N	F2-TW-0009592-22160-N	F2-TW-0009605-22160-N	F2-TW-0010779-22160-N	F2-TW-0010782-22160-N	F2-TW-0010783-22160-N	F2-TW-0010785-22160-N
				Sample Date:	2022-06-30	2022-09-07	2022-09-07	2022-07-05	2022-08-04	2022-07-01	2022-09-07	2022-09-09
				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 (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	

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				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2918 Anderson Avenue		2986 Anderson Avenue	2781 Arizona Road	2784 Arizona Road	2790 Arizona Road	2792 Arizona Road	
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				Sample Date:	2022-06-30	2022-09-07	2022-09-07	2022-07-05	2022-08-04	2022-07-01	2022-09-07	2022-09-09
				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	1.50	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	1.50	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	0.600	ND	ND	
	Bromoform	--	--	1.10	0.480	0.540	ND	ND	6.90	0.490	0.400	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.780	0.380	0.370	ND	ND	1.90	0.360	ND	
	Total Trihalomethanes	80	MCL	1.88	0.860	0.910	ND	ND	9.40	0.850	0.400	

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		Location ID:	F2-ARIZ2815	F2-ARIZ2845	F2-ARIZ2848	F2-ARIZ2849	F2-ARIZ2859	F2-ARIZ2879	F2-ARIZ3012		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	2815 Arizona Road	2845 Arizona Road	2848 Arizona Road	2849 Arizona Road	2859 Arizona Road	2879 Arizona Road	3012 Arizona Road		
		Field Sample ID:	F2-TW-0010791-22160-N	F2-TW-0011000-22160-N	F2-TW-0011001-22160-N	F2-TW-0011002-22160-N	F2-TW-0011005-22160-N	F2-TW-0011014-22160-N	F2-TW-0011029-22160-N	F2-TW-0011029-22160-N-R1	
		Sample Date:	2022-07-06	2022-09-07	2022-09-08	2022-09-08	2022-09-07	2022-07-06	2022-08-04	2022-08-12	
		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	400	470	530	490	490	520	600	550
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	780	--	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	53.8	61.0	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	53.8	61.0	--
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Barium	2000	MCL	2.10	2.00	2.20	2.20	2.10	2.50	2.30	--
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Chromium	100	MCL	0.930	1.80	1.80	1.80	1.80	2.10	1.20	--
	Copper	1300	MCL	4.90	13.3	8.30	24.5	2.80	9.60	6.40	--
	Lead	15	MCL	0.200	0.180	0.150	0.220	ND	0.490	0.260	--
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	--
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	--
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	--
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	3.80	ND	--
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	--
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	--
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	--
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	--

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-ARIZ2815	F2-ARIZ2845	F2-ARIZ2848	F2-ARIZ2849	F2-ARIZ2859	F2-ARIZ2879	F2-ARIZ3012	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2815 Arizona Road	2845 Arizona Road	2848 Arizona Road	2849 Arizona Road	2859 Arizona Road	2879 Arizona Road	3012 Arizona Road	
				Field Sample ID:	F2-TW-0010791-22160-N	F2-TW-0011000-22160-N	F2-TW-0011001-22160-N	F2-TW-0011002-22160-N	F2-TW-0011005-22160-N	F2-TW-0011014-22160-N	F2-TW-0011029-22160-N	F2-TW-0011029-22160-N-R1
				Sample Date:	2022-07-06	2022-09-07	2022-09-08	2022-09-08	2022-09-07	2022-07-06	2022-08-04	2022-08-12
				Sample Type:	N (Normal)	N (Normal)	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	--	
	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	--	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

		Location ID:	F2-ARIZ2815	F2-ARIZ2845	F2-ARIZ2848	F2-ARIZ2849	F2-ARIZ2859	F2-ARIZ2879	F2-ARIZ3012	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2815 Arizona Road	2845 Arizona Road	2848 Arizona Road	2849 Arizona Road	2859 Arizona Road	2879 Arizona Road	3012 Arizona Road	
		Field Sample ID:	F2-TW-0010791-22160-N	F2-TW-0011000-22160-N	F2-TW-0011001-22160-N	F2-TW-0011002-22160-N	F2-TW-0011005-22160-N	F2-TW-0011014-22160-N	F2-TW-0011029-22160-N	F2-TW-0011029-22160-N-R1
		Sample Date:	2022-07-06	2022-09-07	2022-09-08	2022-09-08	2022-09-07	2022-07-06	2022-08-04	2022-08-12
		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	--
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.290	ND	ND	ND	ND	--
	Bromoform	--	--	0.750	1.30	0.270	0.490	0.450	0.560	0.730
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	--
	Dibromochloromethane	--	--	ND	0.830	ND	0.340	0.390	ND	ND
	Total Trihalomethanes	80	MCL	0.750	2.42	0.270	0.830	0.840	0.560	0.730

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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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:	F2-ARIZ3072	F2-ARIZ3075	F2-ARIZ3085	F2-BENF5410	F2-BENF5439	F2-BRID3083	F2-CATL5223	F2-CATL5270	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3072 Arizona Road	3075 Arizona Road	3085 Arizona Road	5410 Benfold Lane	5439 Benfold Lane	3083 Bridges Street	5223 Catlin Lane	5270 Catlin Lane	
		Field Sample ID:	F2-TW-0011045-22160-N	F2-TW-0011046-22160-N	F2-TW-0011048-22160-N	F2-TW-0011053-22160-N	F2-TW-0011063-22160-N	F2-TW-0011075-22160-N	F2-TW-0011089-22160-N	F2-TW-0011103-22160-N	
		Sample Date:	2022-07-01	2022-07-01	2022-07-01	2022-09-14	2022-09-07	2022-09-08	2022-09-08	2022-07-05	
		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	390	460	500	360	280	520	400	450
Field Test (ppb)	Free Chlorine	4000	MCL	390	460	500	360	280	520	400	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	70.1	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	ND	ND	70.1	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.100	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.900
	Barium	2000	MCL	2.00	2.00	2.10	2.00	2.00	2.40	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.50	1.10	1.10	1.80	1.70	1.80	1.70	1.20
	Copper	1300	MCL	22.5	5.10	4.20	9.20	38.3	5.20	13.2	11.0
	Lead	15	MCL	1.60	0.130	0.320	0.270	0.750	0.130	0.300	0.230
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.330	0.480	ND	ND	ND	ND	1.10
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	0.890	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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)
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-- = 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:	F2-ARIZ3072	F2-ARIZ3075	F2-ARIZ3085	F2-BENF5410	F2-BENF5439	F2-BRID3083	F2-CATL5223	F2-CATL5270
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3072 Arizona Road	3075 Arizona Road	3085 Arizona Road	5410 Benfold Lane	5439 Benfold Lane	3083 Bridges Street	5223 Catlin Lane	5270 Catlin Lane
		Field Sample ID:	F2-TW-0011045-22160-N	F2-TW-0011046-22160-N	F2-TW-0011048-22160-N	F2-TW-0011053-22160-N	F2-TW-0011063-22160-N	F2-TW-0011075-22160-N	F2-TW-0011089-22160-N	F2-TW-0011103-22160-N
		Sample Date:	2022-07-01	2022-07-01	2022-07-01	2022-09-14	2022-09-07	2022-09-08	2022-09-08	2022-07-05
		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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-ARIZ3072	F2-ARIZ3075	F2-ARIZ3085	F2-BENF5410	F2-BENF5439	F2-BRID3083	F2-CATL5223	F2-CATL5270
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3072 Arizona Road	3075 Arizona Road	3085 Arizona Road	5410 Benfold Lane	5439 Benfold Lane	3083 Bridges Street	5223 Catlin Lane	5270 Catlin Lane
		Field Sample ID:	F2-TW-0011045-22160-N	F2-TW-0011046-22160-N	F2-TW-0011048-22160-N	F2-TW-0011053-22160-N	F2-TW-0011063-22160-N	F2-TW-0011075-22160-N	F2-TW-0011089-22160-N	F2-TW-0011103-22160-N
		Sample Date:	2022-07-01	2022-07-01	2022-07-01	2022-09-14	2022-09-07	2022-09-08	2022-09-08	2022-07-05
		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	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	1.50	ND	0.500	1.10	1.80	0.580	0.730
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.10	ND	ND	0.630	0.830	0.480	0.500
	Total Trihalomethanes	80	MCL	2.60	ND	0.500	1.73	2.63	1.06	1.23

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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		Location ID:	F2-CATL5308	F2-COLE4114	F2-COLE4121	F2-DALY3051	F2-DEWE0568	F2-DEWE3216	F2-DEWE3233	F2-DEWE3239	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5308 Catlin Lane	4114 Colegrove Street	4121 Colegrove Street	3051 Daly Drive	568 Dewert Court	3216 Dewert Lane	3233 Dewert Lane	3239 Dewert Lane	
		Field Sample ID:	F2-TW-0011117-22160-N	F2-TW-0011128-22160-N	F2-TW-0011130-22160-N	F2-TW-0011147-22160-N	F2-TW-0011151-22160-N	F2-TW-0011158-22160-N	F2-TW-0011170-22160-N	F2-TW-0011176-22160-N	
		Sample Date:	2022-09-15	2022-06-30	2022-08-05	2022-07-05	2022-07-01	2022-09-12	2022-09-14	2022-08-04	
		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	470	400	550	600	450	530	360	530
Field Test (ppb)	Free Chlorine	4000	MCL	ND	400	550	600	450	530	360	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	78.6	ND	ND	ND	ND	60.3
	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	78.6	ND	ND	ND	ND	60.3
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	1.10	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.40	2.10	2.10	2.00	2.00	2.10	2.00
	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	1.70	1.50	1.50	1.20	1.10	2.00	1.80	1.30
	Copper	1300	MCL	13.7	6.10	2.80	33.5	8.00	8.40	26.9	5.90
	Lead	15	MCL	0.420	0.290	0.130	0.140	0.230	0.300	0.300	0.250
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0270	ND
	Selenium	50	MCL	ND	ND	0.350	1.10	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	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-CATL5308	F2-COLE4114	F2-COLE4121	F2-DALY3051	F2-DEWE0568	F2-DEWE3216	F2-DEWE3233	F2-DEWE3239
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	5308 Catlin Lane	4114 Colegrove Street	4121 Colegrove Street	3051 Daly Drive	568 Dewert Court	3216 Dewert Lane	3233 Dewert Lane	3239 Dewert Lane
				Field Sample ID:	F2-TW-0011117-22160-N	F2-TW-0011128-22160-N	F2-TW-0011130-22160-N	F2-TW-0011147-22160-N	F2-TW-0011151-22160-N	F2-TW-0011158-22160-N	F2-TW-0011170-22160-N	F2-TW-0011176-22160-N
				Sample Date:	2022-09-15	2022-06-30	2022-08-05	2022-07-05	2022-07-01	2022-09-12	2022-09-14	2022-08-04
				Sample Type:	N (Normal)	N (Normal)	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

		Location ID:	F2-CATL5308	F2-COLE4114	F2-COLE4121	F2-DALY3051	F2-DEWE0568	F2-DEWE3216	F2-DEWE3233	F2-DEWE3239
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5308 Catlin Lane	4114 Colegrove Street	4121 Colegrove Street	3051 Daly Drive	568 Dewert Court	3216 Dewert Lane	3233 Dewert Lane	3239 Dewert Lane
		Field Sample ID:	F2-TW-0011117-22160-N	F2-TW-0011128-22160-N	F2-TW-0011130-22160-N	F2-TW-0011147-22160-N	F2-TW-0011151-22160-N	F2-TW-0011158-22160-N	F2-TW-0011170-22160-N	F2-TW-0011176-22160-N
		Sample Date:	2022-09-15	2022-06-30	2022-08-05	2022-07-05	2022-07-01	2022-09-12	2022-09-14	2022-08-04
		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	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.940	1.70	ND	ND	3.50	0.340	0.470
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.560	1.10	ND	ND	1.60	ND	0.290
	Total Trihalomethanes	80	MCL	1.50	2.80	ND	ND	5.10	0.340	0.760

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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:
				F2-DORI2264A	F2-DORI2270A	F2-ENGE4044		F2-ENGE4065	F2-FINC4161	F2-GILL3182	F2-GILL3187
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				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:
Field Test (ppb)	Free Chlorine	4000	MCL	400	430	520	520	710	440	320	510
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	220	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	75.3	ND	71.1
	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	ND	ND	ND	75.3	ND	71.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	1.10	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.10	2.20	2.10	2.60	2.00	2.00
	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	1.60	1.70	2.00	2.00	1.30	2.10	1.70	1.60
	Copper	1300	MCL	38.1	63.4	4.50	4.40	2.80	4.00	13.7	9.90
	Lead	15	MCL	0.160	ND	ND	ND	0.130	0.440	0.330	0.270
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0260	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	1.70	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0610	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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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:
				F2-DORI2264A	F2-DORI2270A	F2-ENGE4044		F2-ENGE4065	F2-FINC4161	F2-GILL3182	F2-GILL3187
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				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	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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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:
				F2-DORI2264A	F2-DORI2270A	F2-ENGE4044		F2-ENGE4065	F2-FINC4161	F2-GILL3182	F2-GILL3187
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				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:
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	--	--	ND	0.290	0.390	0.460	ND	0.660	0.740	0.460
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.260	0.310	ND	0.450	0.490	0.380
	Total Trihalomethanes	80	MCL	ND	0.290	0.650	0.770	ND	1.11	1.23	0.840

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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		Location ID:	F2-GILL3188	F2-GILL3218	F2-GILL3224	F2-GILL3240	F2-GORD2617		F2-GORD2623	F2-GORD2625	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	3188 Gillespie Lane	3218 Gillespie Lane	3224 Gillespie Lane	3240 Gillespie Lane	2617 Gordon Street		2623 Gordon Street	2625 Gordon Street	
		Field Sample ID:	F2-TW-0011501-22160-N	F2-TW-0011518-22160-N	F2-TW-0011524-22160-N	F2-TW-0011537-22160-N	F2-TW-0011543-22160-3-N	F2-TW-0011543-22160-N	F2-TW-0011544-22160-N	F2-TW-0011545-22160-N	
		Sample Date:	2022-07-01	2022-08-03	2022-07-01	2022-08-26	2022-09-08	2022-09-08	2022-09-07	2022-09-07	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	390	530	380	550	420	420	460	470
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.4	ND	55.6	54.6	ND	ND	ND	74.6
	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	53.4	ND	55.6	54.6	ND	ND	ND	74.6
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	2.10	2.00	1.90	2.00	2.10	2.10	2.00
	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	1.20	1.40	1.20	1.70	1.70	1.70	1.70	1.70
	Copper	1300	MCL	12.5	14.4	10.6	10.0	1.60	1.60	5.30	3.40
	Lead	15	MCL	0.300	0.290	0.250	0.330	ND	ND	0.190	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.400	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	0.400	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-GILL3188	F2-GILL3218	F2-GILL3224	F2-GILL3240	F2-GORD2617		F2-GORD2623	F2-GORD2625
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3188 Gillespie Lane	3218 Gillespie Lane	3224 Gillespie Lane	3240 Gillespie Lane	2617 Gordon Street		2623 Gordon Street	2625 Gordon Street
				Field Sample ID:	F2-TW-0011501-22160-N	F2-TW-0011518-22160-N	F2-TW-0011524-22160-N	F2-TW-0011537-22160-N	F2-TW-0011543-22160-3-N	F2-TW-0011543-22160-N	F2-TW-0011544-22160-N	F2-TW-0011545-22160-N
				Sample Date:	2022-07-01	2022-08-03	2022-07-01	2022-08-26	2022-09-08	2022-09-08	2022-09-07	2022-09-07
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-GILL3188	F2-GILL3218	F2-GILL3224	F2-GILL3240	F2-GORD2617		F2-GORD2623	F2-GORD2625
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3188 Gillespie Lane	3218 Gillespie Lane	3224 Gillespie Lane	3240 Gillespie Lane	2617 Gordon Street		2623 Gordon Street	2625 Gordon Street
				Field Sample ID:	F2-TW-0011501-22160-N	F2-TW-0011518-22160-N	F2-TW-0011524-22160-N	F2-TW-0011537-22160-N	F2-TW-0011543-22160-3-N	F2-TW-0011543-22160-N	F2-TW-0011544-22160-N	F2-TW-0011545-22160-N
				Sample Date:	2022-07-01	2022-08-03	2022-07-01	2022-08-26	2022-09-08	2022-09-08	2022-09-07	2022-09-07
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	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	ND	ND	ND	ND	ND	0.780	ND
	Bromoform	--	--	ND	0.570	ND	ND	0.390	0.350	2.80	0.590	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	0.450	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.270	0.260	1.90	0.400	
	Total Trihalomethanes	80	MCL	ND	0.570	ND	ND	0.660	0.610	5.93	0.990	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
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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
-- = 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:	F2-GORD2637	F2-GORD2651	F2-GORD2699	F2-GORD2755	F2-GORD2798	F2-GORD2853	F2-HAMM0805	F2-HAMM0828
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2637 Gordon Street	2651 Gordon Street	2699 Gordon Street	2755 Gordon Street	2798 Gordon Street	2853 Gordon Street	805 Hammerberg Street	828 Hammerberg Street
				Field Sample ID:	F2-TW-0011552-22160-N	F2-TW-0011561-22160-N	F2-TW-0011581-22160-N	F2-TW-0011598-22160-N	F2-TW-0011605-22160-N	F2-TW-0011617-22160-N	F2-TW-0011652-22160-N	F2-TW-0011661-22160-N
				Sample Date:	2022-07-05	2022-09-12	2022-07-01	2022-06-30	2022-06-30	2022-07-05	2022-08-04	2022-09-08
				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		630	370	410	400	260	720	520	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP		ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--		ND	ND	ND	ND	ND	ND	54.7	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	ND	ND	ND	ND	54.7	ND
Metals (ppb)	Antimony	6	MCL		ND	ND	ND	ND	ND	ND	0.110	ND
	Arsenic	10	MCL		0.850	ND	ND	ND	ND	1.20	ND	ND
	Barium	2000	MCL		2.20	2.10	2.20	2.40	2.40	2.00	2.50	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		1.40	1.80	1.20	1.30	1.50	1.30	1.30	1.80
	Copper	1300	MCL		3.40	14.9	1.80	5.60	6.20	5.40	5.10	5.10
	Lead	15	MCL		0.210	0.490	ND	0.180	0.190	0.310	0.220	ND
	Mercury	2	MCL		0.0270	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL		0.580	ND	ND	ND	ND	2.10	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	0.550	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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§ - 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:	F2-GORD2637	F2-GORD2651	F2-GORD2699	F2-GORD2755	F2-GORD2798	F2-GORD2853	F2-HAMM0805	F2-HAMM0828
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2637 Gordon Street	2651 Gordon Street	2699 Gordon Street	2755 Gordon Street	2798 Gordon Street	2853 Gordon Street	805 Hammerberg Street	828 Hammerberg Street
				Field Sample ID:	F2-TW-0011552-22160-N	F2-TW-0011561-22160-N	F2-TW-0011581-22160-N	F2-TW-0011598-22160-N	F2-TW-0011605-22160-N	F2-TW-0011617-22160-N	F2-TW-0011652-22160-N	F2-TW-0011661-22160-N
				Sample Date:	2022-07-05	2022-09-12	2022-07-01	2022-06-30	2022-06-30	2022-07-05	2022-08-04	2022-09-08
				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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-GORD2637	F2-GORD2651	F2-GORD2699	F2-GORD2755	F2-GORD2798	F2-GORD2853	F2-HAMM0805	F2-HAMM0828
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2637 Gordon Street	2651 Gordon Street	2699 Gordon Street	2755 Gordon Street	2798 Gordon Street	2853 Gordon Street	805 Hammerberg Street	828 Hammerberg Street
		Field Sample ID:	F2-TW-0011552-22160-N	F2-TW-0011561-22160-N	F2-TW-0011581-22160-N	F2-TW-0011598-22160-N	F2-TW-0011605-22160-N	F2-TW-0011617-22160-N	F2-TW-0011652-22160-N	F2-TW-0011661-22160-N
		Sample Date:	2022-07-05	2022-09-12	2022-07-01	2022-06-30	2022-06-30	2022-07-05	2022-08-04	2022-09-08
		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	0.650	ND
	Bromoform	--	--	ND	0.440	0.920	0.720	1.40	ND	2.30
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.300	0.520	0.530	0.780	ND	1.80
	Total Trihalomethanes	80	MCL	ND	0.740	1.44	1.25	2.18	ND	4.75

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
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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:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	
				F2-HAMM0832	F2-HAMP4141	F2-HAYS0805	F2-HAYS0818	F2-HAYS0821	F2-HAYS0822	F2-HAYS0825	F2-JALU0632
				Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				832 Hammerberg Street	4141 Hampton Street	805 Hays Street	818 Hays Street	821 Hays Street	822 Hays Street	825 Hays Street	
				F2-TW-0011663-22160-N	F2-TW-0011681-22160-N	F2-TW-0011682-22160-N	F2-TW-0011688-22160-N	F2-TW-0011689-22160-N	F2-TW-0011690-22160-N	F2-TW-0011691-22160-N	
				2022-07-01	2022-08-04	2022-06-30	2022-07-01	2022-08-05	2022-07-26	2022-07-05	
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	450	430	440	540	500	290	700	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	300	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	56.2	ND	ND	53.4	ND	ND	75.4
	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	56.2	ND	ND	53.4	ND	ND	75.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.120	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	1.10	ND
	Barium	2000	MCL	2.20	2.30	2.10	2.30	2.60	2.30	2.20	2.30
	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	1.30	1.20	1.20	1.40	1.40	1.40	1.90
	Copper	1300	MCL	3.90	2.80	10.0	12.4	6.60	35.4	4.10	10.7
	Lead	15	MCL	0.270	0.360	0.240	9.40	0.300	0.590	0.200	0.300
	Mercury	2	MCL	ND	0.0250	ND	ND	0.0270	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	0.840	0.450	1.80	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	F2-HAMM0832	F2-HAMP4141	F2-HAYS0805	F2-HAYS0818	F2-HAYS0821	F2-HAYS0822	F2-HAYS0825	F2-JALU0632																														
				F2-HAMM0832	Residence	832 Hammerberg Street	F2-TW-0011663-22160-N	2022-07-01	N (Normal)	F2-HAMP4141	Residence	4141 Hampton Street	F2-TW-0011681-22160-N	2022-08-04	N (Normal)	F2-HAYS0805	Residence	805 Hays Street	F2-TW-0011682-22160-N	2022-06-30	N (Normal)	F2-HAYS0818	Residence	818 Hays Street	F2-TW-0011688-22160-N	2022-07-01	N (Normal)	F2-HAYS0821	Residence	821 Hays Street	F2-TW-0011689-22160-N	2022-08-05	N (Normal)	F2-HAYS0822	Residence	822 Hays Street	F2-TW-0011690-22160-N	2022-07-26	N (Normal)	F2-HAYS0825	Residence	825 Hays Street	F2-TW-0011691-22160-N	2022-07-05	N (Normal)	F2-JALU0632	Residence
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	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	ND	ND																														
	1,2-Dichlorobenzene	600	MCL	ND	ND	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	ND	ND																														
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	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	ND	ND																														
	1,4-Dichlorobenzene	75	MCL	ND	ND	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	ND	ND																														
	Carbon Tetrachloride	5	MCL	ND	ND	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	ND	ND																														
	cis-1,2-Dichloroethene	70	MCL	ND	ND	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	ND	ND																														
	m,p-Xylene	--	--	ND	ND	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	ND	ND																														
	o-Xylene	--	--	ND	ND	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	ND	ND																														
	Tetrachloroethene (PCE)	5	MCL	ND	ND	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	ND	ND																														
	trans-1,2-Dichloroethene	100	MCL	ND	ND	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	ND	ND																														
Vinyl chloride	2	MCL	ND	ND	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	ND	ND																															
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	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	ND																															

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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-- = No Information Available
N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F2-HAMM0832	F2-HAMP4141	F2-HAYS0805	F2-HAYS0818	F2-HAYS0821	F2-HAYS0822	F2-HAYS0825	F2-JALU0632
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	832 Hammerberg Street	4141 Hampton Street	805 Hays Street	818 Hays Street	821 Hays Street	822 Hays Street	825 Hays Street	632 Jaluit Street
		Field Sample ID:	F2-TW-0011663-22160-N	F2-TW-0011681-22160-N	F2-TW-0011682-22160-N	F2-TW-0011688-22160-N	F2-TW-0011689-22160-N	F2-TW-0011690-22160-N	F2-TW-0011691-22160-N	F2-TW-0011701-22160-N
		Sample Date:	2022-07-01	2022-08-04	2022-06-30	2022-07-01	2022-08-05	2022-07-26	2022-07-05	2022-09-13
		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	--	--	1.10	0.660	0.930	0.870	0.660	0.760	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.640	ND	0.510	ND	ND	ND	0.780
	Total Trihalomethanes	80	MCL	1.74	0.660	1.44	0.870	0.660	0.760	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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:	F2-KILM3346	F2-KILM5411	F2-KILM5413	F2-KILM5423	F2-KIRK1981	F2-KOAI1650	F2-KOAI1655	F2-KOAI1664	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3346 Kilmer Street	5411 Kilmer Lane	5413 Kilmer Lane	5423 Kilmer Lane	1981 Kirkpatrick Loop	1650 Koaia Court	1655 Koaia Court	1664 Koaia Court	
		Field Sample ID:	F2-TW-0011729-22160-N	F2-TW-0011746-22160-N	F2-TW-0011748-22160-N	F2-TW-0011754-22160-N	F2-TW-0011784-22160-N	F2-TW-0011788-22160-N	F2-TW-0009837-22160-N	F2-TW-0009843-22160-N	
		Sample Date:	2022-09-08	2022-09-08	2022-09-08	2022-08-05	2022-08-04	2022-07-01	2022-09-07	2022-07-01	
		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	490	520	530	580	540	210	240	380
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	230	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	50.1	65.5	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	ND	ND	50.1	65.5	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	2.10	2.00	2.10	2.10	2.00	2.20	2.00	2.30
	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	1.80	1.70	1.30	1.20	1.40	1.60	1.20
	Copper	1300	MCL	12.8	10.2	12.9	7.10	6.20	100	41.1	36.6
	Lead	15	MCL	0.300	0.260	0.200	0.330	0.310	0.290	ND	0.220
	Mercury	2	MCL	ND	ND	ND	0.0360	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.500	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	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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)
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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:	F2-KILM3346	F2-KILM5411	F2-KILM5413	F2-KILM5423	F2-KIRK1981	F2-KOAI1650	F2-KOAI1655	F2-KOAI1664
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3346 Kilmer Street	5411 Kilmer Lane	5413 Kilmer Lane	5423 Kilmer Lane	1981 Kirkpatrick Loop	1650 Koaia Court	1655 Koaia Court	1664 Koaia Court
				Field Sample ID:	F2-TW-0011729-22160-N	F2-TW-0011746-22160-N	F2-TW-0011748-22160-N	F2-TW-0011754-22160-N	F2-TW-0011784-22160-N	F2-TW-0011788-22160-N	F2-TW-0009837-22160-N	F2-TW-0009843-22160-N
				Sample Date:	2022-09-08	2022-09-08	2022-09-08	2022-08-05	2022-08-04	2022-07-01	2022-09-07	2022-07-01
				Sample Type:	N (Normal)	N (Normal)	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
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EPA MCL = EPA Maximum Contaminant Level
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		Location ID:	F2-KILM3346	F2-KILM5411	F2-KILM5413	F2-KILM5423	F2-KIRK1981	F2-KOAI1650	F2-KOAI1655	F2-KOAI1664
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3346 Kilmer Street	5411 Kilmer Lane	5413 Kilmer Lane	5423 Kilmer Lane	1981 Kirkpatrick Loop	1650 Koaia Court	1655 Koaia Court	1664 Koaia Court
		Field Sample ID:	F2-TW-0011729-22160-N	F2-TW-0011746-22160-N	F2-TW-0011748-22160-N	F2-TW-0011754-22160-N	F2-TW-0011784-22160-N	F2-TW-0011788-22160-N	F2-TW-0009837-22160-N	F2-TW-0009843-22160-N
		Sample Date:	2022-09-08	2022-09-08	2022-09-08	2022-08-05	2022-08-04	2022-07-01	2022-09-07	2022-07-01
		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	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.620	0.280	ND	1.10	ND	0.680	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.540	ND	ND	0.790	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.16	0.280	ND	1.89	ND	0.680	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

		Location ID:	F2-LIPP2001	F2-LIPP2002	F2-LIPP2003	F2-LIPP2004	F2-LIPP2008	F2-LIPP2081	F2-LIPP2082	F2-LOUN4109	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2001 Lippia Loop	2002 Lippia Loop	2003 Lippia Loop	2004 Lippia Loop	2008 Lippia Loop	2081 Lippia Loop	2082 Lippia Loop	4109 Lounsbury Street	
		Field Sample ID:	F2-TW-0009867-22160-N	F2-TW-0009868-22160-N	F2-TW-0009869-22160-N	F2-TW-0009870-22160-N	F2-TW-0009874-22160-N	F2-TW-0009876-22160-N	F2-TW-0009877-22160-N	F2-TW-0009886-22160-3-N	
		Sample Date:	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-08-04	2022-07-05	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	450	260	200	480	310	250	400	560
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	56.4	ND	56.6	ND	63.0	ND	55.2	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	56.4	ND	56.6	ND	63.0	ND	55.2	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.970
	Barium	2000	MCL	2.20	2.00	2.30	2.40	2.10	2.10	2.30	2.10
	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	2.10	1.80	1.90	1.90	1.80	1.80	1.20	1.30
	Copper	1300	MCL	32.0	46.0	136	32.8	137	119	84.2	4.90
	Lead	15	MCL	0.170	ND	4.00	0.250	0.190	0.190	0.310	0.160
	Mercury	2	MCL	ND	ND	ND	ND	0.0250	ND	ND	0.0380
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	1.30
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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F2-LIPP2001	F2-LIPP2002	F2-LIPP2003	F2-LIPP2004	F2-LIPP2008	F2-LIPP2081	F2-LIPP2082	F2-LOUN4109
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2001 Lippia Loop	2002 Lippia Loop	2003 Lippia Loop	2004 Lippia Loop	2008 Lippia Loop	2081 Lippia Loop	2082 Lippia Loop	4109 Lounsbury Street
		Field Sample ID:	F2-TW-0009867-22160-N	F2-TW-0009868-22160-N	F2-TW-0009869-22160-N	F2-TW-0009870-22160-N	F2-TW-0009874-22160-N	F2-TW-0009876-22160-N	F2-TW-0009877-22160-N	F2-TW-0009886-22160-3-N
		Sample Date:	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-08-04	2022-07-05
		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							
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
	Chloroacetic acid	--	--	ND	ND	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	--	ND	0.650	ND	ND
	Dichloroacetic acid	--	--	ND	ND	--	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-LIPP2001	F2-LIPP2002	F2-LIPP2003	F2-LIPP2004	F2-LIPP2008	F2-LIPP2081	F2-LIPP2082	F2-LOUN4109
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2001 Lippia Loop	2002 Lippia Loop	2003 Lippia Loop	2004 Lippia Loop	2008 Lippia Loop	2081 Lippia Loop	2082 Lippia Loop	4109 Lounsbury Street
		Field Sample ID:	F2-TW-0009867-22160-N	F2-TW-0009868-22160-N	F2-TW-0009869-22160-N	F2-TW-0009870-22160-N	F2-TW-0009874-22160-N	F2-TW-0009876-22160-N	F2-TW-0009877-22160-N	F2-TW-0009886-22160-3-N
		Sample Date:	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-09-14	2022-09-15	2022-08-04	2022-07-05
		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)	Trichloroacetic acid	--	--	ND	ND	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	--	ND	0.650	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.590	0.430	4.50	0.370	4.80	0.380	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	0.270	0.810	ND	1.10	0.260	ND
	Total Trihalomethanes	80	MCL	0.900	0.700	5.31	0.370	5.90	0.640	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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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:	F2-LOUN4109	F2-MALO3281	F2-MALO3284	F2-MCCU1061	F2-MCFA0818	F2-MEYE0610		F2-MEYE3414	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	4109 Lounsbury Street	3281 Maloelap Street	3284 Maloelap Street	1061 McCurry Place	818 McFaddin Street	610 Meyerkord Loop		3414 Meyerkord Place	
		Field Sample ID:	F2-TW-0009886-22160-N	F2-TW-0009905-22160-N	F2-TW-0009906-22160-N	F2-TW-0009933-22160-N	F2-TW-0009942-22160-N	F2-TW-0009956-22160-3-N	F2-TW-0009956-22160-N	F2-TW-0009978-22160-N	
		Sample Date:	2022-07-05	2022-08-04	2022-09-13	2022-06-30	2022-09-13	2022-07-01	2022-07-01	2022-08-04	
		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	560	310	450	430	390	540	540	500
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	61.2	62.0	ND	61.5
	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	ND	ND	61.2	62.0	ND	61.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.100	ND	ND	ND	ND
	Arsenic	10	MCL	0.990	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.30	2.10	2.40	2.30	2.00	1.90	2.00
	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	1.20	1.20	1.90	1.20	1.90	1.30	1.20	1.20
	Copper	1300	MCL	4.90	6.60	10.3	6.60	4.60	12.7	12.4	30.5
	Lead	15	MCL	0.160	0.350	1.20	0.540	0.430	0.190	0.190	0.450
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.910	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	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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)
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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:	F2-LOUN4109	F2-MALO3281	F2-MALO3284	F2-MCCU1061	F2-MCFA0818	F2-MEYE0610		F2-MEYE3414
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence
				Address:	4109 Lounsbury Street	3281 Maloelap Street	3284 Maloelap Street	1061 McCurry Place	818 McFaddin Street	610 Meyerkord Loop		3414 Meyerkord Place
				Field Sample ID:	F2-TW-0009886-22160-N	F2-TW-0009905-22160-N	F2-TW-0009906-22160-N	F2-TW-0009933-22160-N	F2-TW-0009942-22160-N	F2-TW-0009956-22160-3-N	F2-TW-0009956-22160-N	F2-TW-0009978-22160-N
				Sample Date:	2022-07-05	2022-08-04	2022-09-13	2022-06-30	2022-09-13	2022-07-01	2022-07-01	2022-08-04
				Sample Type:	N (Normal)	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	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-LOUN4109	F2-MALO3281	F2-MALO3284	F2-MCCU1061	F2-MCFA0818	F2-MEYE0610		F2-MEYE3414
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence
				Address:	4109 Lounsbury Street	3281 Maloelap Street	3284 Maloelap Street	1061 McCurry Place	818 McFaddin Street	610 Meyerkord Loop		3414 Meyerkord Place
				Field Sample ID:	F2-TW-0009886-22160-N	F2-TW-0009905-22160-N	F2-TW-0009906-22160-N	F2-TW-0009933-22160-N	F2-TW-0009942-22160-N	F2-TW-0009956-22160-3-N	F2-TW-0009956-22160-N	F2-TW-0009978-22160-N
				Sample Date:	2022-07-05	2022-08-04	2022-09-13	2022-06-30	2022-09-13	2022-07-01	2022-07-01	2022-08-04
				Sample Type:	N (Normal)	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	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	2.10	0.710	1.50	0.590	ND	ND	ND	0.790
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	1.20	0.440	0.910	0.510	ND	ND	ND	0.580
	Total Trihalomethanes	80	MCL	ND	3.30	1.15	2.41	1.10	ND	ND	ND	1.37

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-MURR0658		F2-MURR0664	F2-MURR0769	F2-MURR0771	F2-MURR0838	F2-MURR0856																																					
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence	Residence	Residence																																		
				F2-MURR0656	Residence	656 Murray Drive	F2-TW-0009992-22160-N	2022-09-14	N (Normal)	F2-MURR0658	Residence	658 Murray Drive	F2-TW-0010072-22160-3-N	2022-09-12	FD (Field Duplicate)	F2-TW-0010072-22160-N	2022-09-12	N (Normal)	F2-MURR0664	Residence	664 Murray Drive	F2-TW-0010073-22160-N	2022-09-13	N (Normal)	F2-MURR0769	Residence	769 Murray Drive	F2-TW-0010106-22160-N	2022-08-05	N (Normal)	F2-MURR0771	Residence	771 Murray Drive	F2-TW-0010108-22160-N	2022-09-07	N (Normal)	F2-MURR0838	Residence	838 Murray Drive	F2-TW-0010125-22160-N	2022-08-09	N (Normal)	F2-MURR0856	Residence	856 Murray Drive	F2-TW-0010135-22160-N	2022-07-01	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	480	370	370	490	400	400	370	450																																					
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND																																					
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	50.3	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	ND	ND	ND	ND	50.3	ND																																					
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.100	ND	ND	ND																																					
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND																																					
	Barium	2000	MCL	2.20	2.00	2.00	2.00	2.20	2.00	1.90	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	1.90	2.00	2.00	1.70	1.30	1.70	1.60	1.40																																					
	Copper	1300	MCL	5.50	3.50	3.50	6.20	8.50	12.3	20.0	18.6																																					
	Lead	15	MCL	0.290	0.150	0.140	0.720	0.410	0.210	2.40	0.770																																					
	Mercury	2	MCL	ND	ND	ND	ND	0.0250	ND	ND	ND																																					
	Selenium	50	MCL	ND	ND	ND	ND	0.490	ND	0.340	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																																					

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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

		Location ID:	F2-MURR0656	F2-MURR0658		F2-MURR0664	F2-MURR0769	F2-MURR0771	F2-MURR0838	F2-MURR0856
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
		Address:	656 Murray Drive	658 Murray Drive		664 Murray Drive	769 Murray Drive	771 Murray Drive	838 Murray Drive	856 Murray Drive
		Field Sample ID:	F2-TW-0009992-22160-N	F2-TW-0010072-22160-3-N	F2-TW-0010072-22160-N	F2-TW-0010073-22160-N	F2-TW-0010106-22160-N	F2-TW-0010108-22160-N	F2-TW-0010125-22160-N	F2-TW-0010135-22160-N
		Sample Date:	2022-09-14	2022-09-12	2022-09-12	2022-09-13	2022-08-05	2022-09-07	2022-08-09	2022-07-01
		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							
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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-MURR0656	F2-MURR0658		F2-MURR0664	F2-MURR0769	F2-MURR0771	F2-MURR0838	F2-MURR0856
				Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
				Address:	656 Murray Drive	658 Murray Drive		664 Murray Drive	769 Murray Drive	771 Murray Drive	838 Murray Drive	856 Murray Drive
				Field Sample ID:	F2-TW-0009992-22160-N	F2-TW-0010072-22160-3-N	F2-TW-0010072-22160-N	F2-TW-0010073-22160-N	F2-TW-0010106-22160-N	F2-TW-0010108-22160-N	F2-TW-0010125-22160-N	F2-TW-0010135-22160-N
				Sample Date:	2022-09-14	2022-09-12	2022-09-12	2022-09-13	2022-08-05	2022-09-07	2022-08-09	2022-07-01
				Sample Type:	N (Normal)	FD (Field Duplicate)	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	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	0.360	ND	ND
	Bromoform	--	--	0.410	ND	ND	0.270	0.750	0.900	0.760	1.10	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.330	ND	ND	ND	0.660	0.830	0.650	0.790	
	Total Trihalomethanes	80	MCL	0.740	ND	ND	0.270	1.41	2.09	1.41	1.89	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
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		Location ID:		F2-MURR0882		F2-MURR0902	F2-NOON4015	F2-NOON4017	F2-NOON4019	F2-NOON4032	F2-NOON4049
		Location Type:		Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:		882 Murray Drive		902 Murray Drive	4015 Noonan Street	4017 Noonan Street	4019 Noonan Street	4032 Noonan Street	4049 Noonan Street
		Field Sample ID:		F2-TW-0010152-22160-N	F2-TW-0010152-22160-N-R1	F2-TW-0010160-22160-N	F2-TW-0010394-22160-N	F2-TW-0010395-22160-N	F2-TW-0010397-22160-N	F2-TW-0010402-22160-N	F2-TW-0010410-22160-N
		Sample Date:		2022-07-05	2022-07-11	2022-08-05	2022-09-14	2022-09-12	2022-09-12	2022-06-30	2022-06-30
		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	520	460	360	380	440	440	520	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	--	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	51.8	--	ND	75.3	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	51.8	--	ND	75.3	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	--	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	--	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	--	2.10	2.60	2.10	2.10	2.20	2.20
	Beryllium	4	MCL	ND	--	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	--	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.00	--	1.30	2.10	1.90	1.90	1.20	1.50
	Copper	1300	MCL	5.80	--	14.9	9.70	7.30	6.80	3.70	5.70
	Lead	15	MCL	0.330	--	2.50	0.350	0.230	0.250	0.180	0.230
	Mercury	2	MCL	ND	--	ND	0.0250	ND	ND	ND	ND
	Selenium	50	MCL	ND	--	0.310	ND	ND	ND	ND	1.00
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	--	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	--	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	--	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	--	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	--	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	--	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	--	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	--	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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: F2-MURR0882		F2-MURR0902	F2-NOON4015	F2-NOON4017	F2-NOON4019	F2-NOON4032	F2-NOON4049	
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address: 882 Murray Drive		902 Murray Drive	4015 Noonan Street	4017 Noonan Street	4019 Noonan Street	4032 Noonan Street	4049 Noonan Street	
				Field Sample ID:	F2-TW-0010152-22160-N	F2-TW-0010152-22160-N-R1	F2-TW-0010160-22160-N	F2-TW-0010394-22160-N	F2-TW-0010395-22160-N	F2-TW-0010397-22160-N	F2-TW-0010402-22160-N	F2-TW-0010410-22160-N
				Sample Date:	2022-07-05	2022-07-11	2022-08-05	2022-09-14	2022-09-12	2022-09-12	2022-06-30	2022-06-30
				Sample Type:	N (Normal)	N (Normal)	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	
	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	0.780	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	--	ND	ND	ND	ND	ND	ND	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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	F2-MURR0882		F2-MURR0902	F2-NOON4015	F2-NOON4017	F2-NOON4019	F2-NOON4032	F2-NOON4049
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence
				882 Murray Drive		902 Murray Drive	4015 Noonan Street	4017 Noonan Street	4019 Noonan Street	4032 Noonan Street	4049 Noonan Street
				F2-TW-0010152-22160-N	F2-TW-0010152-22160-N-R1	F2-TW-0010160-22160-N	F2-TW-0010394-22160-N	F2-TW-0010395-22160-N	F2-TW-0010397-22160-N	F2-TW-0010402-22160-N	F2-TW-0010410-22160-N
				2022-07-05	2022-07-11	2022-08-05	2022-09-14	2022-09-12	2022-09-12	2022-06-30	2022-06-30
				N (Normal)	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
	Total Haloacetic acids	60	MCL	ND	--	ND	0.780	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	0.540	ND	0.370	ND	ND	ND
	Bromoform	--	--	0.560	--	1.50	0.790	0.820	0.370	0.980	0.590
	Chloroform	--	--	ND	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	--	1.40	0.680	0.750	0.300	ND	ND
	Total Trihalomethanes	80	MCL	0.560	--	3.44	1.47	1.94	0.670	0.980	0.590

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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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:	F2-NYEC1824	F2-NYEC1826	F2-NYEP1938	F2-OCAL1908	F2-OCAL1929	F2-PETE3214	F2-PETE3236	F2-PETE3244
				Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence
				Address:	1824 Nye Circle	1826 Nye Circle	1938 Nye Place (CDH)	1908 O'Callahan Street	1929 O'Callahan Street	3214 Peterson Court	3236 Peterson Court	3244 Peterson Court
				Field Sample ID:	F2-TW-0010442-22160-N	F2-TW-0010443-22160-N	F2-TW-0010449-22160-N	F2-TW-0010456-22160-N	F2-TW-0010467-22160-N	F2-TW-0010543-22160-N	F2-TW-0010554-22160-N	F2-TW-0010558-22160-N
				Sample Date:	2022-07-05	2022-09-07	2022-08-09	2022-09-13	2022-09-14	2022-09-07	2022-07-01	2022-06-30
				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	480	270	480	530	400	400	390	450	
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	81.3	ND	ND	65.3
	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	81.3	ND	ND	65.3
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.880	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.10	2.00	2.00	2.10	2.10	2.20	2.20	2.20
	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	1.40	1.70	1.40	2.00	1.90	1.70	1.20	1.20	1.20
	Copper	1300	MCL	38.5	56.0	63.2	3.60	2.80	20.5	16.2	29.8	29.8
	Lead	15	MCL	0.220	0.240	0.540	0.390	0.130	ND	ND	ND	0.260
	Mercury	2	MCL	0.0290	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.830	ND	ND	ND	ND	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	1.60	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-NYEC1824	F2-NYEC1826	F2-NYEP1938	F2-OCAL1908	F2-OCAL1929	F2-PETE3214	F2-PETE3236	F2-PETE3244
				Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence
				Address:	1824 Nye Circle	1826 Nye Circle	1938 Nye Place (CDH)	1908 O'Callahan Street	1929 O'Callahan Street	3214 Peterson Court	3236 Peterson Court	3244 Peterson Court
				Field Sample ID:	F2-TW-0010442-22160-N	F2-TW-0010443-22160-N	F2-TW-0010449-22160-N	F2-TW-0010456-22160-N	F2-TW-0010467-22160-N	F2-TW-0010543-22160-N	F2-TW-0010554-22160-N	F2-TW-0010558-22160-N
				Sample Date:	2022-07-05	2022-09-07	2022-08-09	2022-09-13	2022-09-14	2022-09-07	2022-07-01	2022-06-30
				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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-NYEC1824	F2-NYEC1826	F2-NYEP1938	F2-OCAL1908	F2-OCAL1929	F2-PETE3214	F2-PETE3236	F2-PETE3244
		Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence
		Address:	1824 Nye Circle	1826 Nye Circle	1938 Nye Place (CDH)	1908 O'Callahan Street	1929 O'Callahan Street	3214 Peterson Court	3236 Peterson Court	3244 Peterson Court
		Field Sample ID:	F2-TW-0010442-22160-N	F2-TW-0010443-22160-N	F2-TW-0010449-22160-N	F2-TW-0010456-22160-N	F2-TW-0010467-22160-N	F2-TW-0010543-22160-N	F2-TW-0010554-22160-N	F2-TW-0010558-22160-N
		Sample Date:	2022-07-05	2022-09-07	2022-08-09	2022-09-13	2022-09-14	2022-09-07	2022-07-01	2022-06-30
		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	--	--	0.630	2.10	0.810	0.410	0.480	ND	0.860
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.600	0.490	ND	0.330	ND	ND
	Total Trihalomethanes	80	MCL	0.630	2.70	1.30	0.410	0.810	ND	0.860

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-POOL0643	F2-POOL0687	F2-RAMA0809	F2-RAMA0810		F2-RAMA0813	F2-SAND0707	F2-SCHM2754
				Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residential Child Care
				Address:	643 Pool Street	687 Pool Street	809 Ramage Street	810 Ramage Street		813 Ramage Street	707 Sanders Circle	2754 Schmitt Parkway (CDH)
				Field Sample ID:	F2-TW-0010824-22160-N	F2-TW-0010834-22160-N	F2-TW-0010846-22160-N	F2-TW-0010847-22160-3-N	F2-TW-0010847-22160-N	F2-TW-0010848-22160-N	F2-TW-0010865-22160-N	F2-TW-0010877-22160-N
				Sample Date:	2022-08-04	2022-08-04	2022-09-13	2022-07-07	2022-07-07	2022-08-05	2022-08-03	2022-09-07
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	490	510	410	300	300	520	430	380	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	54.0	ND	ND	ND	ND	ND	ND	70.5	
	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	54.0	ND	ND	ND	ND	ND	ND	70.5	
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	2.20	1.90	1.90	2.30	2.40	2.00	
	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	1.20	1.30	1.90	0.930	1.00	1.30	1.40	1.70	
	Copper	1300	MCL	4.50	6.90	3.60	2.40	2.40	3.00	4.90	4.50	
	Lead	15	MCL	0.320	0.430	0.140	0.160	0.160	0.180	0.480	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	0.510	0.540	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	0.460	
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	
	1,1,2-Trichloroethane	5	MCL	ND	ND	--	ND	ND	ND	ND	ND	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-POOL0643	F2-POOL0687	F2-RAMA0809	F2-RAMA0810		F2-RAMA0813	F2-SAND0707	F2-SCHM2754
				Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residential Child Care
				Address:	643 Pool Street	687 Pool Street	809 Ramage Street	810 Ramage Street		813 Ramage Street	707 Sanders Circle	2754 Schmitt Parkway (CDH)
				Field Sample ID:	F2-TW-0010824-22160-N	F2-TW-0010834-22160-N	F2-TW-0010846-22160-N	F2-TW-0010847-22160-3-N	F2-TW-0010847-22160-N	F2-TW-0010848-22160-N	F2-TW-0010865-22160-N	F2-TW-0010877-22160-N
				Sample Date:	2022-08-04	2022-08-04	2022-09-13	2022-07-07	2022-07-07	2022-08-05	2022-08-03	2022-09-07
				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
	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	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
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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:	F2-POOL0643	F2-POOL0687	F2-RAMA0809	F2-RAMA0810		F2-RAMA0813	F2-SAND0707	F2-SCHM2754
				Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residential Child Care
				Address:	643 Pool Street	687 Pool Street	809 Ramage Street	810 Ramage Street		813 Ramage Street	707 Sanders Circle	2754 Schmitt Parkway (CDH)
				Field Sample ID:	F2-TW-0010824-22160-N	F2-TW-0010834-22160-N	F2-TW-0010846-22160-N	F2-TW-0010847-22160-3-N	F2-TW-0010847-22160-N	F2-TW-0010848-22160-N	F2-TW-0010865-22160-N	F2-TW-0010877-22160-N
				Sample Date:	2022-08-04	2022-08-04	2022-09-13	2022-07-07	2022-07-07	2022-08-05	2022-08-03	2022-09-07
				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	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.650	0.530	--	1.10	0.540	0.630	1.20	0.280	
	Chloroform	--	--	ND	ND	--	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.550	ND	--	0.530	ND	0.520	0.890	ND	
	Total Trihalomethanes	80	MCL	1.20	0.530	--	1.63	0.540	1.15	2.09	0.280	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

		Location ID:	F2-SCHM2763		F2-SCHM2767	F2-SCHM2790	F2-SHIE3273	F2-SHIE5256	F2-SHIE5286	F2-SHIE5324	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2763 Schmitt Parkway		2767 Schmitt Parkway	2790 Schmitt Parkway	3273 Shields Lane	5256 Shields Street	5286 Shields Street	5324 Shields Street	
		Field Sample ID:	F2-TW-0010879-22160-3-N	F2-TW-0010879-22160-N	F2-TW-0010881-22160-N	F2-TW-0010892-22160-N	F2-TW-0010896-22160-N	F2-TW-0010914-22160-N	F2-TW-0010919-22160-N	F2-TW-0010928-22160-N	
		Sample Date:	2022-08-04	2022-08-04	2022-07-05	2022-07-05	2022-09-15	2022-09-13	2022-06-30	2022-07-05	
		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	360	360	770	460	390	520	220	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.1	66.2	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	53.1	66.2	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	0.920	0.790	ND	ND	ND	0.920
	Barium	2000	MCL	2.00	2.10	2.10	2.20	2.40	2.00	2.10	2.00
	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	1.20	1.30	1.50	1.10	1.80	1.80	1.10	1.50
	Copper	1300	MCL	3.00	3.30	5.40	3.60	7.10	18.0	11.2	18.4
	Lead	15	MCL	0.320	0.350	0.240	ND	0.360	0.160	0.290	0.580
	Mercury	2	MCL	ND	ND	0.0260	0.0270	ND	ND	ND	0.0470
	Selenium	50	MCL	ND	ND	0.870	0.670	ND	ND	0.380	0.920
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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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: F2-SCHM2763		F2-SCHM2767	F2-SCHM2790	F2-SHIE3273	F2-SHIE5256	F2-SHIE5286	F2-SHIE5324
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 2763 Schmitt Parkway		2767 Schmitt Parkway	2790 Schmitt Parkway	3273 Shields Lane	5256 Shields Street	5286 Shields Street	5324 Shields Street
				Field Sample ID: F2-TW-0010879-22160-3-N	F2-TW-0010879-22160-N	F2-TW-0010881-22160-N	F2-TW-0010892-22160-N	F2-TW-0010896-22160-N	F2-TW-0010914-22160-N	F2-TW-0010919-22160-N	F2-TW-0010928-22160-N
				Sample Date: 2022-08-04	2022-08-04	2022-07-05	2022-07-05	2022-09-15	2022-09-13	2022-06-30	2022-07-05
				Sample Type: FD (Field Duplicate)	N (Normal)	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
	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-SCHM2763	F2-SCHM2767	F2-SCHM2790	F2-SHIE3273	F2-SHIE5256	F2-SHIE5286	F2-SHIE5324	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2763 Schmitt Parkway		2767 Schmitt Parkway	2790 Schmitt Parkway	3273 Shields Lane	5256 Shields Street	5286 Shields Street	5324 Shields Street
				Field Sample ID:	F2-TW-0010879-22160-3-N	F2-TW-0010879-22160-N	F2-TW-0010881-22160-N	F2-TW-0010892-22160-N	F2-TW-0010896-22160-N	F2-TW-0010914-22160-N	F2-TW-0010919-22160-N	F2-TW-0010928-22160-N
				Sample Date:	2022-08-04	2022-08-04	2022-07-05	2022-07-05	2022-09-15	2022-09-13	2022-06-30	2022-07-05
				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	0.590	0.690	0.310	0.300	0.780	7.30	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	0.500	ND	0.560	ND	ND	0.640	0.970	
	Total Trihalomethanes	80	MCL	ND	0.500	0.590	1.25	0.310	0.300	1.42	8.27	

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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				Location ID:	F2-SIBL0724	F2-SNYD3148	F2-SNYD3194		F2-STOW2563	F2-STOW2570	F2-STOW2579	
				Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	
				Address:	724 Sibley Street	3148 Snyder Court	3194 Snyder Court		2563 Stowell Circle	2570 Stowell Circle	2579 Stowell Circle	
				Field Sample ID:	F2-TW-0010947-22160-N	F2-TW-0010575-22160-N	F2-TW-0010968-22160-3-N	F2-TW-0010968-22160-N	F2-TW-0010975-22160-N	F2-TW-0010978-22160-N	F2-TW-0010981-22160-3-N	F2-TW-0010981-22160-N
				Sample Date:	2022-06-30	2022-07-01	2022-06-30	2022-06-30	2022-08-04	2022-09-07	2022-09-08	2022-09-08
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	530	210	240	240	430	430	290	290	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	55.5	90.1	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	55.5	90.1	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.30	2.30	2.40	2.10	2.00	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	1.20	1.20	1.20	1.50	1.60	1.60	1.70	1.60	1.60
	Copper	1300	MCL	4.00	13.7	52.8	63.1	5.10	4.90	36.0	34.9	
	Lead	15	MCL	0.180	ND	0.250	0.250	0.340	0.170	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.340	ND	ND	ND	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 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:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	
				F2-SIBL0724	F2-SNYD3148	F2-SNYD3194		F2-STOW2563	F2-STOW2570	F2-STOW2579	
				Residence	Residence	Residence		Residence	Residence	Residence	
				724 Sibley Street	3148 Snyder Court	3194 Snyder Court		2563 Stowell Circle	2570 Stowell Circle	2579 Stowell Circle	
				F2-TW-0010947-22160-N	F2-TW-0010575-22160-N	F2-TW-0010968-22160-3-N	F2-TW-0010968-22160-N	F2-TW-0010975-22160-N	F2-TW-0010978-22160-N	F2-TW-0010981-22160-3-N	F2-TW-0010981-22160-N
				2022-06-30	2022-07-01	2022-06-30	2022-06-30	2022-08-04	2022-09-07	2022-09-08	2022-09-08
				N (Normal)	N (Normal)	FD (Field Duplicate)	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
	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	1.20	1.10
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-SIBL0724	F2-SNYD3148	F2-SNYD3194		F2-STOW2563	F2-STOW2570	F2-STOW2579	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	724 Sibley Street	3148 Snyder Court	3194 Snyder Court		2563 Stowell Circle	2570 Stowell Circle	2579 Stowell Circle	
		Field Sample ID:	F2-TW-0010947-22160-N	F2-TW-0010575-22160-N	F2-TW-0010968-22160-3-N	F2-TW-0010968-22160-N	F2-TW-0010975-22160-N	F2-TW-0010978-22160-N	F2-TW-0010981-22160-3-N	F2-TW-0010981-22160-N
		Sample Date:	2022-06-30	2022-07-01	2022-06-30	2022-06-30	2022-08-04	2022-09-07	2022-09-08	2022-09-08
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	1.20	1.10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	0.510	0.480
	Bromoform	--	--	1.20	3.20	2.60	2.30	ND	0.500	3.00
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.870	1.40	1.10	0.990	ND	0.310	1.80
	Total Trihalomethanes	80	MCL	2.07	4.60	3.70	3.29	ND	0.810	5.31

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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:	F2-STOW2580	F2-STOW2594	F2-STOW2595	F2-STOW2597	F2-STOW2603	F2-STOW2605	F2-STOW2620	F2-STOW2669	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2580 Stowell Circle	2594 Stowell Circle	2595 Stowell Circle	2597 Stowell Circle	2603 Stowell Circle	2605 Stowell Circle	2620 Stowell Circle	2669 Stowell Circle	
		Field Sample ID:	F2-TW-0010982-22160-N	F2-TW-0010990-22160-N	F2-TW-0010991-22160-N	F2-TW-0010992-22160-N	F2-TW-0009238-22160-N	F2-TW-0009239-22160-N	F2-TW-0009245-22160-N	F2-TW-0009257-22160-N	
		Sample Date:	2022-09-08	2022-09-08	2022-07-28	2022-09-07	2022-09-07	2022-09-08	2022-08-04	2022-08-05	
		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	490	430	460	480	460	450	380	520
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	66.5	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	ND	ND	ND	ND	66.5	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	2.10	2.10	2.20	2.00	2.00	2.10	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	1.70	1.80	1.10	1.70	1.70	1.70	1.30	1.50
	Copper	1300	MCL	5.30	4.60	6.20	3.60	2.30	2.70	8.60	5.00
	Lead	15	MCL	0.230	0.240	0.340	ND	0.370	ND	0.230	0.400
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0270
	Selenium	50	MCL	ND	ND	0.530	ND	ND	ND	ND	0.420
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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-STOW2580	F2-STOW2594	F2-STOW2595	F2-STOW2597	F2-STOW2603	F2-STOW2605	F2-STOW2620	F2-STOW2669
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2580 Stowell Circle	2594 Stowell Circle	2595 Stowell Circle	2597 Stowell Circle	2603 Stowell Circle	2605 Stowell Circle	2620 Stowell Circle	2669 Stowell Circle
				Field Sample ID:	F2-TW-0010982-22160-N	F2-TW-0010990-22160-N	F2-TW-0010991-22160-N	F2-TW-0010992-22160-N	F2-TW-0009238-22160-N	F2-TW-0009239-22160-N	F2-TW-0009245-22160-N	F2-TW-0009257-22160-N
				Sample Date:	2022-09-08	2022-09-08	2022-07-28	2022-09-07	2022-09-07	2022-09-08	2022-08-04	2022-08-05
				Sample Type:	N (Normal)	N (Normal)	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
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		Location ID:	F2-STOW2580	F2-STOW2594	F2-STOW2595	F2-STOW2597	F2-STOW2603	F2-STOW2605	F2-STOW2620	F2-STOW2669
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2580 Stowell Circle	2594 Stowell Circle	2595 Stowell Circle	2597 Stowell Circle	2603 Stowell Circle	2605 Stowell Circle	2620 Stowell Circle	2669 Stowell Circle
		Field Sample ID:	F2-TW-0010982-22160-N	F2-TW-0010990-22160-N	F2-TW-0010991-22160-N	F2-TW-0010992-22160-N	F2-TW-0009238-22160-N	F2-TW-0009239-22160-N	F2-TW-0009245-22160-N	F2-TW-0009257-22160-N
		Sample Date:	2022-09-08	2022-09-08	2022-07-28	2022-09-07	2022-09-07	2022-09-08	2022-08-04	2022-08-05
		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	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.380	0.480	0.790	0.540	0.530	0.450	0.790
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.320	0.410	0.590	0.370	0.340	0.330	0.590
	Total Trihalomethanes	80	MCL	0.700	0.890	1.38	0.910	0.870	0.780	1.38

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

		Location ID:	F2-STOW2707	F2-STOW2758	F2-STOW2792	F2-TIAR1703	F2-TIAR1717	F2-TIAR1732	F2-VAES3028	F2-VAES3066	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2707 Stowell Circle	2758 Stowell Circle	2792 Stowell Circle	1703 Tiare Court	1717 Tiare Court	1732 Tiare Court	3028 Vaessen Court	3066 Vaessen Court	
		Field Sample ID:	F2-TW-0009270-22160-N	F2-TW-0009282-22160-N	F2-TW-0009296-22160-N	F2-TW-0009313-22160-N	F2-TW-0009319-22160-N	F2-TW-0009323-22160-N	F2-TW-0009328-22160-N	F2-TW-0009347-22160-N	
		Sample Date:	2022-08-05	2022-06-30	2022-08-04	2022-09-13	2022-06-30	2022-09-12	2022-09-13	2022-08-04	
		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	330	690	500	290	220	290	370	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.7	ND	66.1	ND	ND	ND	ND	59.5
	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	61.7	ND	66.1	ND	ND	ND	ND	59.5
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	2.30	2.10	2.10	2.30	2.10	2.10	2.00
	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	1.30	1.20	1.20	1.90	1.30	1.90	1.90	1.30
	Copper	1300	MCL	21.6	2.10	44.3	156	72.9	124	27.6	23.6
	Lead	15	MCL	0.320	ND	0.390	ND	0.430	1.20	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.460	ND	ND	ND	ND	ND	ND	0.330
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	2.00	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Notes:
ND = Not Detected
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All Results shown in Parts per Billion (ppb)
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F2-STOW2707	F2-STOW2758	F2-STOW2792	F2-TIAR1703	F2-TIAR1717	F2-TIAR1732	F2-VAES3028	F2-VAES3066
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2707 Stowell Circle	2758 Stowell Circle	2792 Stowell Circle	1703 Tiare Court	1717 Tiare Court	1732 Tiare Court	3028 Vaessen Court	3066 Vaessen Court
		Field Sample ID:	F2-TW-0009270-22160-N	F2-TW-0009282-22160-N	F2-TW-0009296-22160-N	F2-TW-0009313-22160-N	F2-TW-0009319-22160-N	F2-TW-0009323-22160-N	F2-TW-0009328-22160-N	F2-TW-0009347-22160-N
		Sample Date:	2022-08-05	2022-06-30	2022-08-04	2022-09-13	2022-06-30	2022-09-12	2022-09-13	2022-08-04
		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	0.680	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-STOW2707	F2-STOW2758	F2-STOW2792	F2-TIAR1703	F2-TIAR1717	F2-TIAR1732	F2-VAES3028	F2-VAES3066
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2707 Stowell Circle	2758 Stowell Circle	2792 Stowell Circle	1703 Tiare Court	1717 Tiare Court	1732 Tiare Court	3028 Vaessen Court	3066 Vaessen Court
		Field Sample ID:	F2-TW-0009270-22160-N	F2-TW-0009282-22160-N	F2-TW-0009296-22160-N	F2-TW-0009313-22160-N	F2-TW-0009319-22160-N	F2-TW-0009323-22160-N	F2-TW-0009328-22160-N	F2-TW-0009347-22160-N
		Sample Date:	2022-08-05	2022-06-30	2022-08-04	2022-09-13	2022-06-30	2022-09-12	2022-09-13	2022-08-04
		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	0.680	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.580	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	2.30	0.960	0.510	0.900	0.720	7.20	0.290
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.70	ND	ND	0.360	ND	0.710	ND
	Total Trihalomethanes	80	MCL	4.58	0.960	0.510	1.26	0.720	7.91	0.290

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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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
-- = 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:	F2-BLDG0603	F2-BLDG0893	F2-BLDG3349	F2-BLDG606-POO	F2-BLDG6890	F2-BLDG7751	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 603, POOL BATH HOUSE POOL Street	Building 893,GOLF COURSE MAINT TRNG FAC	Building 3349,LEARNING SERVICE CENTER (3349 Catlin Drive)	Building 606-POO,COMMUNITY CENTER POOL Street	Building 6890,NEX MINI-MART HALSEY	Building 7751, Radford Terrace Country Club (811 Murray Drive)	
		Field Sample ID:	F2-TW-0014192-22160-N	F2-TW-0014141-22160-N	F2-TW-0014155-22160-N	F2-TW-0014203-22160-N	F2-TW-0014157-22160-N	F2-TW-0014158-22160-N	
		Sample Date:	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06	
		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	550	330	210	240	260	510
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	200
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	50.8	50.3	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	266	ISP	ND	ND	ND	50.8	50.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.40	2.60	2.00	2.10	2.20	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.30	1.60	1.70	1.70	1.80	1.70
	Copper	1300	MCL	78.7	49.6	86.7	27.2	42.8	3.70
	Lead	15	MCL	42.0 §	ND	0.400	0.600	0.130	0.410
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.120
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.120	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

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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:	F2-BLDG0603	F2-BLDG0893	F2-BLDG3349	F2-BLDG606-POO	F2-BLDG6890	F2-BLDG7751
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 603, POOL BATH HOUSE POOL Street	Building 893, GOLF COURSE MAINT TRNG FAC	Building 3349, LEARNING SERVICE CENTER (3349 Catlin Drive)	Building 606-POO, COMMUNITY CENTER POOL Street	Building 6890, NEX MINI-MART HALSEY	Building 7751, Radford Terrace Country Club (811 Murray Drive)
				Field Sample ID:	F2-TW-0014192-22160-N	F2-TW-0014141-22160-N	F2-TW-0014155-22160-N	F2-TW-0014203-22160-N	F2-TW-0014157-22160-N	F2-TW-0014158-22160-N
				Sample Date:	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	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	1.00	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	

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone F2

Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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:	F2-BLDG0603	F2-BLDG0893	F2-BLDG3349	F2-BLDG606-POO	F2-BLDG6890	F2-BLDG7751
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		Address:	Building 603, POOL BATH HOUSE POOL Street	Building 893, GOLF COURSE MAINT TRNG FAC	Building 3349, LEARNING SERVICE CENTER (3349 Catlin Drive)	Building 606-POO, COMMUNITY CENTER POOL Street	Building 6890, NEX MINI-MART HALSEY	Building 7751, Radford Terrace Country Club (811 Murray Drive)
		Field Sample ID:	F2-TW-0014192-22160-N	F2-TW-0014141-22160-N	F2-TW-0014155-22160-N	F2-TW-0014203-22160-N	F2-TW-0014157-22160-N	F2-TW-0014158-22160-N
		Sample Date:	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06	2022-09-06
		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)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	0.690	2.30
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	0.690	2.30
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	0.500	2.10
	Bromoform	--	--	0.890	3.00	ND	1.90	14.0
	Chloroform	--	--	ND	ND	ND	0.300	0.980
	Dibromochloromethane	--	--	0.520	1.00	ND	1.20	6.00
	Total Trihalomethanes	80	MCL	1.41	4.00	ND	3.90	23.1

Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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	F2-BLDG1928		F2-BLDG4655	
				Location ID:	Location Type:	Location ID:	Location Type:
				Child Development Center		Child Development Center	
				Building 1928,CHILD DEVELOPMT CENTER (530 PELTIER AVE)		Building 4655,CATLIN SCHOOL AGE CENTER	
				F2-TW-0014145-22160-N-1	F2-TW-0014145-22160-N-2	F2-TW-0014156-22160-N-1	F2-TW-0014156-22160-N-2
				2022-10-05	2022-10-05	2022-09-06	2022-09-06
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	120-310	120-310	70.0-170	70.0-170
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	62.7	55.2	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	62.7	55.2	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.10	2.40
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	1.90	1.90	1.40	1.50
	Copper	1300	MCL	39.4	50.3	201	65.1
	Lead	15	MCL	ND	ND	0.210	0.220
	Mercury	2	MCL	0.0490	0.0600	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
Naphthalene	17	EAL	ND	ND	ND	ND	

Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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	F2-BLDG1928		F2-BLDG4655		
				Location ID:	Location Type:	Location ID:	Location Type:	
				Child Development Center		Child Development Center		
				Building 1928, CHILD DEVELOPMT CENTER (530 PELTIER AVE)		Building 4655, CATLIN SCHOOL AGE CENTER		
				Field Sample ID:	F2-TW-0014145-22160-N-1	F2-TW-0014145-22160-N-2	F2-TW-0014156-22160-N-1	F2-TW-0014156-22160-N-2
				Sample Date:	2022-10-05	2022-10-05	2022-09-06	2022-09-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	

Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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: F2-BLDG1928		Location ID: F2-BLDG4655	
				Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location Type: Child Development Center Address: Building 1928, CHILD DEVELOPMT CENTER (530 PELTIER AVE)		Location Type: Child Development Center Address: Building 4655, CATLIN SCHOOL AGE CENTER	
				F2-TW-0014145-22160-N-1	2022-10-05	F2-TW-0014145-22160-N-2	2022-10-05
				N (Normal)		N (Normal)	
				F2-TW-0014156-22160-N-1	2022-09-06	F2-TW-0014156-22160-N-2	2022-09-06
				N (Normal)		N (Normal)	
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	0.920
	Dichloroacetic acid	--	--	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	0.920
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	0.330
	Bromoform	--	--	0.300	ND	1.30	4.30
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.540	1.30
	Total Trihalomethanes	80	MCL	0.300	ND	1.84	5.93

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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:	F2-HYD0003		F2-HYD0011		F2-HYD0012	F2-HYD0014	F2-HYD0026	
				F2-HYD0002	F2-HYD0003		F2-HYD0011		F2-HYD0012	F2-HYD0014	F2-HYD0026	
				Hydrant	Hydrant		Hydrant		Hydrant	Hydrant	Hydrant	
				FH 2	FH 3		FH 11		FH 12 (Correct LOCID is F2-HYD1338)	FH 14	FH 26	
				Field Sample ID:	F2-DL-0017744-22160	F2-DL-0017772-22160	F2-DL-0017772-22160	F2-DL-0017745-22160	F2-DL-0017745-22160	F2-DL-0017776-22160	F2-DL-0017746-22160	F2-DL-0017771-22160
				-N	-N	-3-N	-N	-3-N	-N	-N	-N	-N
				Sample Date:	2022-07-01	2022-07-01	2022-07-01	2022-08-03	2022-08-03	2022-08-03	2022-09-08	2022-09-08
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	540	440	440	170	170	500	570	590	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	71.4	54.7	55.9	ND	ND	ND	ND	52.2	
	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	71.4	54.7	55.9	ND	ND	ND	ND	52.2	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.110	0.170	0.180	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.10	2.30	2.40	3.80	3.90	2.50	2.10	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	1.10	1.20	1.30	1.30	1.30	1.60	1.70	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	0.360	0.530	0.680	ND	ND	
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	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	

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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:	F2-HYD0003		F2-HYD0011		F2-HYD0012	F2-HYD0014	F2-HYD0026	
				F2-HYD0002	F2-HYD0003		F2-HYD0011		F2-HYD0012	F2-HYD0014	F2-HYD0026	
				Hydrant	Hydrant		Hydrant		Hydrant	Hydrant	Hydrant	
				FH 2	FH 3		FH 11		FH 12 (Correct LOCID is F2-HYD1338)	FH 14	FH 26	
				Field Sample ID:	F2-DL-0017744-22160	F2-DL-0017772-22160	F2-DL-0017772-22160	F2-DL-0017745-22160	F2-DL-0017745-22160	F2-DL-0017776-22160	F2-DL-0017746-22160	F2-DL-0017771-22160
				-N	-3-N	-N	-3-N	-N	-N	-N	-N	-N
				Sample Date:	2022-07-01	2022-07-01	2022-07-01	2022-08-03	2022-08-03	2022-08-03	2022-09-08	2022-09-08
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

**Summary of Chemistry Results
Zone F2 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:	F2-HYD0003		F2-HYD0011		F2-HYD0012	F2-HYD0014	F2-HYD0026
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:
				F2-HYD0002	F2-HYD0003	F2-HYD0003	F2-HYD0011	F2-HYD0011	F2-HYD0012	F2-HYD0014	F2-HYD0026
				Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
				FH 2	FH 3	FH 3	FH 11	FH 11	FH 12 (Correct LOCID is F2-HYD1338)	FH 14	FH 26
				F2-DL-0017744-22160 -N	F2-DL-0017772-22160 -3-N	F2-DL-0017772-22160 -N	F2-DL-0017745-22160 -3-N	F2-DL-0017745-22160 -N	F2-DL-0017776-22160 -N	F2-DL-0017746-22160 -N	F2-DL-0017771-22160 -N
				2022-07-01	2022-07-01	2022-07-01	2022-08-03	2022-08-03	2022-08-03	2022-09-08	2022-09-08
				N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				ND	ND	ND	ND	ND	ND	ND	ND
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	1.20	1.50	10.8	9.80	0.600	0.500	0.340
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.730	0.810	1.10	0.970	ND	0.340	ND
	Total Trihalomethanes	80	MCL	ND	1.93	2.31	11.9	10.8	0.600	0.840	0.340

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0213	F2-HYD0520	F2-HYD071A
				Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
				Address:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 213 (Possibly F2-HYD0020)	FH 520 (Possibly F2-HYD0018)	FH 71A
				Field Sample ID:	F2-DL-0017747-22160 -N	F2-DL-0017748-22160 -N	F2-DL-0017749-22160 -N	F2-DL-0017773-22160 -N	F2-DL-0017750-22160 -N	F2-DL-0017774-22160 -N	F2-DL-0017775-22160 -N	F2-DL-0017751-22160 -3-N
				Sample Date:	2022-10-05	2022-10-05	2022-10-05	2022-10-05	2022-09-08	2022-09-13	2022-09-13	2022-09-13
				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	440	310	430	470	480	420	460	210	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	71.6	ND	ND	ND	ND	ND	ND	ND	52.0
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	57.4	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	71.6	ND	ND	57.4	ND	ND	ND	ND	52.0
Metals (ppb)	Antimony	6	MCL	ND	ND	0.250	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	3.30	2.40	2.20	2.10	2.50	2.10	2.00	
	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	2.00	2.00	2.10	1.90	1.60	2.10	1.90	2.00	
	Mercury	2	MCL	0.0290	ND	ND	0.0280	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	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
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0213	F2-HYD0520	F2-HYD071A
				Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
				Address:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 213 (Possibly F2-HYD0020)	FH 520 (Possibly F2-HYD0018)	FH 71A
				Field Sample ID:	F2-DL-0017747-22160-N	F2-DL-0017748-22160-N	F2-DL-0017749-22160-N	F2-DL-0017773-22160-N	F2-DL-0017750-22160-N	F2-DL-0017774-22160-N	F2-DL-0017775-22160-N	F2-DL-0017751-22160-3-N
				Sample Date:	2022-10-05	2022-10-05	2022-10-05	2022-10-05	2022-09-08	2022-09-13	2022-09-13	2022-09-13
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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	0.910	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone F2

**Summary of Chemistry Results
Zone F2 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0213	F2-HYD0520	F2-HYD071A
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 213 (Possibly F2-HYD0020)	FH 520 (Possibly F2-HYD0018)	FH 71A
		Field Sample ID:	F2-DL-0017747-22160 -N	F2-DL-0017748-22160 -N	F2-DL-0017749-22160 -N	F2-DL-0017773-22160 -N	F2-DL-0017750-22160 -N	F2-DL-0017774-22160 -N	F2-DL-0017775-22160 -N	F2-DL-0017751-22160 -3-N
		Sample Date:	2022-10-05	2022-10-05	2022-10-05	2022-10-05	2022-09-08	2022-09-13	2022-09-13	2022-09-13
		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)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	0.910	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.530	ND	ND	ND	ND	ND
	Bromoform	--	--	0.340	3.40	0.350	0.270	0.260	0.360	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	1.90	0.270	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.340	5.83	0.620	0.270	0.260	0.360	ND

Summary of Chemistry Results
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Location ID:	F2-HYD071A
Location Type:	Hydrant
Address:	FH 71A
Field Sample ID:	F2-DL-0017751-22160 -N
Sample Date:	2022-09-13
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	210
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	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.50
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	2.00
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
	Thallium	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND

Summary of Chemistry Results
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Location ID:	F2-HYD071A
Location Type:	Hydrant
Address:	FH 71A
Field Sample ID:	F2-DL-0017751-22160 -N
Sample Date:	2022-09-13
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene (Total)	70	MCL	ND
	1,2-Dichloropropane	5	MCL	ND
	1,4-Dichlorobenzene	75	MCL	ND
	Benzene	5	MCL	ND
	Carbon Tetrachloride	5	MCL	ND
	Chlorobenzene	100	MCL	ND
	cis-1,2-Dichloroethene	70	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND
	Methylene chloride	5	MCL	ND
	o-Xylene	--	--	ND
	Styrene	100	MCL	ND
	Tetrachloroethene (PCE)	5	MCL	ND
	Toluene	1000	MCL	ND
	trans-1,2-Dichloroethene	100	MCL	ND
	Trichloroethene (TCE)	5	MCL	ND
	Vinyl chloride	2	MCL	ND
	Xylenes, Total	10000	MCL	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--
Chloroacetic acid		--	--	ND
Dibromoacetic acid		--	--	ND
Dichloroacetic acid		--	--	ND
Trichloroacetic acid		--	--	ND
Total Haloacetic acids		60	MCL	ND

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Location ID:	F2-HYD071A
Location Type:	Hydrant
Address:	FH 71A
Field Sample ID:	F2-DL-0017751-22160 -N
Sample Date:	2022-09-13
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.370
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	0.370