

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**Summary of Chemistry Results
Zone A1 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
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		Location ID:	A1-ALOH1615	A1-ALOH1617	A1-ALOH1618	A1-ALOH1619	A1-ALOH1632	A1-ALOH1634	A1-ASHL5010	A1-ASHL5126	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1615 Aloha Avenue	1617 Aloha Avenue	1618 Aloha Avenue	1619 Aloha Avenue	1632 Aloha Avenue	1634 Aloha Avenue	5010 Ashley Avenue	5126 Ashley Avenue	
		Field Sample ID:	A1-TW-0001575-22144-N	A1-TW-0001577-22144-N	A1-TW-0001578-22144-N	A1-TW-0001579-22144-N	A1-TW-0001590-22144-N	A1-TW-0001591-22144-N	A1-TW-0001288-22144-N	A1-TW-0001219-22144-N	
		Sample Date:	2022-06-20	2022-08-23	2022-08-23	2022-06-24	2022-08-24	2022-08-23	2022-07-21	2022-06-20	
		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	360	640	470	240	410	550	380	240
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	61.3	54.7	65.8	57.8	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	61.3	54.7	65.8	57.8	ND	ND
Metals (ppb)	Antimony	6	MCL	0.220	ND	0.110	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90	1.90	1.90	1.80	2.20	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	1.00	1.40	1.40	0.510	1.30	1.50	1.10	0.930
	Copper	1300	MCL	32.1	32.5	33.1	34.0	35.6	11.6	16.7	12.8
	Lead	15	MCL	ND	ND	ND	0.190	0.240	0.480	ND	0.200
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.80	0.360	0.470	ND	0.440	0.340	ND	2.00
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

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		Location ID:	A1-ALOH1615	A1-ALOH1617	A1-ALOH1618	A1-ALOH1619	A1-ALOH1632	A1-ALOH1634	A1-ASHL5010	A1-ASHL5126
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1615 Aloha Avenue	1617 Aloha Avenue	1618 Aloha Avenue	1619 Aloha Avenue	1632 Aloha Avenue	1634 Aloha Avenue	5010 Ashley Avenue	5126 Ashley Avenue
		Field Sample ID:	A1-TW-0001575-22144-N	A1-TW-0001577-22144-N	A1-TW-0001578-22144-N	A1-TW-0001579-22144-N	A1-TW-0001590-22144-N	A1-TW-0001591-22144-N	A1-TW-0001288-22144-N	A1-TW-0001219-22144-N
		Sample Date:	2022-06-20	2022-08-23	2022-08-23	2022-06-24	2022-08-24	2022-08-23	2022-07-21	2022-06-20
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
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		Field Sample ID:	A1-TW-0001575-22144-N	A1-TW-0001577-22144-N	A1-TW-0001578-22144-N	A1-TW-0001579-22144-N	A1-TW-0001590-22144-N	A1-TW-0001591-22144-N	A1-TW-0001288-22144-N	A1-TW-0001219-22144-N
		Sample Date:	2022-06-20	2022-08-23	2022-08-23	2022-06-24	2022-08-24	2022-08-23	2022-07-21	2022-06-20
		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	--	--	ND	ND	ND	4.20	ND	0.640	1.10
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	1.00	ND	0.530	0.860
	Total Trihalomethanes	80	MCL	ND	ND	ND	5.20	ND	1.17	1.96

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		Location ID:	A1-ASHL5202	A1-AUST0201	A1-AUST0203	A1-AUST0213	A1-AUST0217	A1-AUST0219	A1-CORA1709	A1-CORA1713	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5202 Ashley Avenue	201 Austin Court	203 Austin Court	213 Austin Court	217 Austin Court	219 Austin Court	1709 Coral Avenue	1713 Coral Avenue	
		Field Sample ID:	A1-TW-0001223-22144-N	A1-TW-0001604-22144-N	A1-TW-0001605-22144-N	A1-TW-0001609-22144-N	A1-TW-0001611-22144-N	A1-TW-0001612-22144-N	A1-TW-0001627-22144-N	A1-TW-0001628-22144-3-N	
		Sample Date:	2022-07-20	2022-08-24	2022-07-20	2022-08-23	2022-08-23	2022-08-23	2022-07-22	2022-06-23	
		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	470	630	130	600	460	580	220	130
Field Test (ppb)	Free Chlorine	4000	MCL	470	630	130	600	460	580	220	130
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	55.2	ND	51.8	ND	50.3	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	55.2	ND	51.8	ND	50.3	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.250	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	1.80	2.00	1.90	1.90	2.10	2.30	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.20	1.40	1.40	1.40	1.50	1.30	0.730
	Copper	1300	MCL	50.0	42.5	56.6	28.8	24.2	23.0	34.5	29.5
	Lead	15	MCL	ND	ND	ND	0.250	0.420	ND	0.190	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.470	0.300	0.390	0.420	0.420	0.570	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

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		Location ID:	A1-ASHL5202	A1-AUST0201	A1-AUST0203	A1-AUST0213	A1-AUST0217	A1-AUST0219	A1-CORA1709	A1-CORA1713
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5202 Ashley Avenue	201 Austin Court	203 Austin Court	213 Austin Court	217 Austin Court	219 Austin Court	1709 Coral Avenue	1713 Coral Avenue
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		Sample Date:	2022-07-20	2022-08-24	2022-07-20	2022-08-23	2022-08-23	2022-08-23	2022-07-22	2022-06-23
		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	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
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		Sample Date:	2022-07-20	2022-08-24	2022-07-20	2022-08-23	2022-08-23	2022-08-23	2022-07-22	2022-06-23
		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	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	0.350	ND	ND
	Bromoform	--	--	ND	0.450	7.00	0.280	1.30	0.360	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.270	0.930	0.260	1.10	0.300	ND
	Total Trihalomethanes	80	MCL	ND	0.720	7.93	0.540	2.75	0.660	ND

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				Location ID:	A1-CORA1713	A1-CURT0149	A1-ETCE0251	A1-ETCE0253	A1-ETCE0289	A1-KIRK2214	A1-LANA4003		
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
				Address:	1713 Coral Avenue	149 Curtis Court	251 Etccl Court	253 Etccl Court	289 Etccl Court	2214 Kirkbride Avenue	4003 Lanakila Avenue		
				Field Sample ID:	A1-TW-0001628-22144-N	A1-TW-0001306-22144-N	A1-TW-0001318-22144-N	A1-TW-0001492-22144-N	A1-TW-0001247-22144-N	A1-TW-0001637-22144-N	A1-TW-0001654-22144-3-N	A1-TW-0001654-22144-N	
				Sample Date:	2022-06-23	2022-08-24	2022-09-23	2022-07-20	2022-06-24	2022-06-20	2022-09-23	2022-09-23	
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level										
Field Test (ppb)	Free Chlorine	4000	MCL	130	440	260	290	430	270	370	370		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	69.1	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	69.1	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.170	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.90	1.90	1.80	2.10	2.00	2.00	1.80	1.80	1.80	
	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	0.720	1.20	1.70	1.20	0.730	1.00	1.80	1.70	1.70	
	Copper	1300	MCL	34.2	35.0	27.2	24.4	20.5	26.9	48.8	47.3	47.3	
	Lead	15	MCL	ND	0.170	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.890	0.400	ND	0.310	ND	1.70	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 A1

**Summary of Chemistry Results
Zone A1 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:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	
				A1-CORA1713	A1-CURT0149	A1-ETCE0251	A1-ETCE0253	A1-ETCE0289	A1-KIRK2214	A1-LANA4003	
				Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	Address:	Address:	Address:	Address:	Address:	Address:	
				1713 Coral Avenue	149 Curtis Court	251 Etccll Court	253 Etccll Court	289 Etccll Court	2214 Kirkbride Avenue	4003 Lanakila Avenue	
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				A1-TW-0001628-22144-N	A1-TW-0001306-22144-N	A1-TW-0001318-22144-N	A1-TW-0001492-22144-N	A1-TW-0001247-22144-N	A1-TW-0001637-22144-N	A1-TW-0001654-22144-3-N	A1-TW-0001654-22144-N
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2022-06-23	2022-08-24	2022-09-23	2022-07-20	2022-06-24	2022-06-20	2022-09-23	2022-09-23
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	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 A1

**Summary of Chemistry Results
Zone A1 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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All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-CORA1713	A1-CURT0149	A1-ETCE0251	A1-ETCE0253	A1-ETCE0289	A1-KIRK2214	A1-LANA4003	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1713 Coral Avenue	149 Curtis Court	251 Etccll Court	253 Etccll Court	289 Etccll Court	2214 Kirkbride Avenue	4003 Lanakila Avenue	
		Field Sample ID:	A1-TW-0001628-22144-N	A1-TW-0001306-22144-N	A1-TW-0001318-22144-N	A1-TW-0001492-22144-N	A1-TW-0001247-22144-N	A1-TW-0001637-22144-N	A1-TW-0001654-22144-3-N	A1-TW-0001654-22144-N
		Sample Date:	2022-06-23	2022-08-24	2022-09-23	2022-07-20	2022-06-24	2022-06-20	2022-09-23	2022-09-23
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.340	0.310	ND	0.780	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.580	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.340	0.310	ND	1.36	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**Summary of Chemistry Results
Zone A1 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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		Location ID:	A1-LANA4301	A1-LEHU0300	A1-LEHU0506	A1-LEHU0523	A1-LEHU0527	A1-LEHU0531	A1-LEYC0110	A1-LEYC0144	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4301 Lanakila Avenue	300 Lehua Avenue	506 Lehua Avenue	523 Lehua Avenue	527 Lehua Avenue	531 Lehua Avenue	110 Ley Court	144 Ley Court	
		Field Sample ID:	A1-TW-0001496-22144-N	A1-TW-0001513-22144-N	A1-TW-0001678-22144-N	A1-TW-0001691-22144-N	A1-TW-0001693-22144-N	A1-TW-0001695-22144-N	A1-TW-0001700-22144-N	A1-TW-0001714-22144-N	
		Sample Date:	2022-06-24	2022-09-23	2022-06-22	2022-06-21	2022-09-23	2022-06-27	2022-09-23	2022-06-20	
		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	260	130	430	350	330	200	260	620
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	84.1	65.7	ND	103	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	84.1	65.7	ND	103	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.200
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	2.20	2.10	2.00	1.90	2.00	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.780	1.80	1.20	1.10	1.70	1.20	1.70	0.970
	Copper	1300	MCL	32.9	30.5	29.3	47.1	26.1	51.5	19.4	17.6
	Lead	15	MCL	ND	ND	0.230	0.140	ND	0.140	0.270	ND
	Mercury	2	MCL	ND	0.0250	ND	0.120	ND	ND	ND	ND
	Selenium	50	MCL	0.700	ND	1.90	1.10	ND	0.440	ND	1.90
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 A1

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

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

		Location ID:	A1-LANA4301	A1-LEHU0300	A1-LEHU0506	A1-LEHU0523	A1-LEHU0527	A1-LEHU0531	A1-LEYC0110	A1-LEYC0144
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4301 Lanakila Avenue	300 Lehua Avenue	506 Lehua Avenue	523 Lehua Avenue	527 Lehua Avenue	531 Lehua Avenue	110 Ley Court	144 Ley Court
		Field Sample ID:	A1-TW-0001496-22144-N	A1-TW-0001513-22144-N	A1-TW-0001678-22144-N	A1-TW-0001691-22144-N	A1-TW-0001693-22144-N	A1-TW-0001695-22144-N	A1-TW-0001700-22144-N	A1-TW-0001714-22144-N
		Sample Date:	2022-06-24	2022-09-23	2022-06-22	2022-06-21	2022-09-23	2022-06-27	2022-09-23	2022-06-20
		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	0.720	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 A1

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

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		Location ID:	A1-LANA4301	A1-LEHU0300	A1-LEHU0506	A1-LEHU0523	A1-LEHU0527	A1-LEHU0531	A1-LEYC0110	A1-LEYC0144
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4301 Lanakila Avenue	300 Lehua Avenue	506 Lehua Avenue	523 Lehua Avenue	527 Lehua Avenue	531 Lehua Avenue	110 Ley Court	144 Ley Court
		Field Sample ID:	A1-TW-0001496-22144-N	A1-TW-0001513-22144-N	A1-TW-0001678-22144-N	A1-TW-0001691-22144-N	A1-TW-0001693-22144-N	A1-TW-0001695-22144-N	A1-TW-0001700-22144-N	A1-TW-0001714-22144-N
		Sample Date:	2022-06-24	2022-09-23	2022-06-22	2022-06-21	2022-09-23	2022-06-27	2022-09-23	2022-06-20
		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	0.720	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.420	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	1.20	0.780	1.30	ND	1.80	5.90
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	1.00	0.550	0.600	ND	0.790	0.850
	Total Trihalomethanes	80	MCL	ND	2.62	1.33	1.90	ND	2.59	6.75

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**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:	A1-LEYC0148	A1-LEYC0150	A1-LOWE1003	A1-LOWE1006	A1-LOWE1010	A1-LOWE1013	A1-LOWE1103	A1-LOWE1105
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care	Residence
				Address:	148 Ley Court	150 Ley Court	1003 Lowella Avenue	1006 Lowella Avenue	1010 Lowella Avenue	1013 Lowella Avenue	1103 Lowella Ave (CDH)	1105 Lowella Avenue
				Field Sample ID:	A1-TW-0001716-22144-N	A1-TW-0001717-22144-N	A1-TW-0001532-22144-N	A1-TW-0001535-22144-N	A1-TW-0001538-22144-N	A1-TW-0001540-22144-N	A1-TW-0017808-22144-N	A1-TW-0001558-22144-N
				Sample Date:	2022-09-23	2022-08-24	2022-08-23	2022-08-24	2022-09-23	2022-09-23	2022-07-20	2022-09-23
				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	220	420	320	330	530	420	500	260	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	51.3	ND	ND	ND	ND	ND	ND	69.6
	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	51.3	ND	ND	ND	ND	ND	ND	69.6
Metals (ppb)	Antimony	6	MCL	ND	ND	0.210	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	2.20	1.80	1.90	1.90	1.90	1.80	1.80
	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	1.70	1.20	1.50	1.40	1.70	1.70	1.70	1.20	1.70
	Copper	1300	MCL	26.7	21.9	12.7	23.1	19.7	37.8	16.1	35.2	
	Lead	15	MCL	ND	0.140	ND	ND	ND	1.80	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.550	0.460	0.410	ND	ND	0.430	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	1.80	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

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**Summary of Chemistry Results
Zone A1 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:	A1-LEYC0148	A1-LEYC0150	A1-LOWE1003	A1-LOWE1006	A1-LOWE1010	A1-LOWE1013	A1-LOWE1103	A1-LOWE1105
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care	Residence
				Address:	148 Ley Court	150 Ley Court	1003 Lowella Avenue	1006 Lowella Avenue	1010 Lowella Avenue	1013 Lowella Avenue	1103 Lowella Ave (CDH)	1105 Lowella Avenue
				Field Sample ID:	A1-TW-0001716-22144-N	A1-TW-0001717-22144-N	A1-TW-0001532-22144-N	A1-TW-0001535-22144-N	A1-TW-0001538-22144-N	A1-TW-0001540-22144-N	A1-TW-0017808-22144-N	A1-TW-0001558-22144-N
				Sample Date:	2022-09-23	2022-08-24	2022-08-23	2022-08-24	2022-09-23	2022-09-23	2022-07-20	2022-09-23
				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 A1

Summary of Chemistry Results
Zone A1 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
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		Location ID:	A1-LEYC0148	A1-LEYC0150	A1-LOWE1003	A1-LOWE1006	A1-LOWE1010	A1-LOWE1013	A1-LOWE1103	A1-LOWE1105
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residential Child Care	Residence
		Address:	148 Ley Court	150 Ley Court	1003 Lowella Avenue	1006 Lowella Avenue	1010 Lowella Avenue	1013 Lowella Avenue	1103 Lowella Ave (CDH)	1105 Lowella Avenue
		Field Sample ID:	A1-TW-0001716-22144-N	A1-TW-0001717-22144-N	A1-TW-0001532-22144-N	A1-TW-0001535-22144-N	A1-TW-0001538-22144-N	A1-TW-0001540-22144-N	A1-TW-0017808-22144-N	A1-TW-0001558-22144-N
		Sample Date:	2022-09-23	2022-08-24	2022-08-23	2022-08-24	2022-09-23	2022-09-23	2022-07-20	2022-09-23
		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	0.310	ND	ND	ND	ND
	Bromoform	--	--	ND	0.840	0.770	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.600	0.700	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	1.44	1.78	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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

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		Location ID:	A1-LOWE1106	A1-LOWE1113	A1-LOWE1126	A1-PALM1814	A1-PALM1816		A1-PALM1822		
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence		
		Address:	1106 Lowell Avenue	1113 Lowell Avenue	1126 Lowell Avenue	1814 Palm Avenue	1816 Palm Avenue		1822 Palm Avenue		
		Field Sample ID:	A1-TW-0001559-22144-N	A1-TW-0001324-22144-N	A1-TW-0001335-22144-N	A1-TW-0001350-22144-N	A1-TW-0001731-22144-3-N	A1-TW-0001731-22144-N	A1-TW-0001734-22144-3-N	A1-TW-0001734-22144-N	
		Sample Date:	2022-09-23	2022-07-22	2022-09-23	2022-08-24	2022-07-20	2022-07-20	2022-06-22	2022-06-22	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	240	250	260	310	490	490	460	460
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	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	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.120	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.30	2.20	2.10	2.10	2.10	2.00	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	1.70	1.30	1.70	1.30	1.20	1.20	1.40	1.40
	Copper	1300	MCL	37.3	27.8	52.2	15.9	17.9	18.5	11.7	12.5
	Lead	15	MCL	0.180	0.250	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0250
	Selenium	50	MCL	ND	0.480	ND	0.400	0.310	ND	2.20	1.50
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 A1

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

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		Location ID:	A1-LOWE1106	A1-LOWE1113	A1-LOWE1126	A1-PALM1814	A1-PALM1816		A1-PALM1822	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	1106 Lowella Avenue	1113 Lowella Avenue	1126 Lowella Avenue	1814 Palm Avenue	1816 Palm Avenue		1822 Palm Avenue	
		Field Sample ID:	A1-TW-0001559-22144-N	A1-TW-0001324-22144-N	A1-TW-0001335-22144-N	A1-TW-0001350-22144-N	A1-TW-0001731-22144-3-N	A1-TW-0001731-22144-N	A1-TW-0001734-22144-3-N	A1-TW-0001734-22144-N
		Sample Date:	2022-09-23	2022-07-22	2022-09-23	2022-08-24	2022-07-20	2022-07-20	2022-06-22	2022-06-22
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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

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		Location ID:	A1-LOWE1106	A1-LOWE1113	A1-LOWE1126	A1-PALM1814	A1-PALM1816		A1-PALM1822	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	1106 Lowella Avenue	1113 Lowella Avenue	1126 Lowella Avenue	1814 Palm Avenue	1816 Palm Avenue		1822 Palm Avenue	
		Field Sample ID:	A1-TW-0001559-22144-N	A1-TW-0001324-22144-N	A1-TW-0001335-22144-N	A1-TW-0001350-22144-N	A1-TW-0001731-22144-3-N	A1-TW-0001731-22144-N	A1-TW-0001734-22144-3-N	A1-TW-0001734-22144-N
		Sample Date:	2022-09-23	2022-07-22	2022-09-23	2022-08-24	2022-07-20	2022-07-20	2022-06-22	2022-06-22
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	2.60	0.750	0.550	0.920	0.640
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.500	0.500	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	3.10	1.25	0.550	0.920	0.640

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-PARK0188	A1-PARK0196	A1-PARK0210		A1-ROBI1204		A1-ROBI1304	A1-ROBI1305
				Location Type:	Residence	Residence	Residence		Residence		Residence	Residence
				Address:	188 Parker Court	196 Parker Court	210 Parker Court		1204 Robinson Avenue		1304 Robinson Avenue	1305 Robinson Avenue
				Field Sample ID:	A1-TW-0001761-22144-N	A1-TW-0001765-22144-N	A1-TW-0001771-22144-3-N	A1-TW-0001771-22144-N	A1-TW-0001793-22144-3-N	A1-TW-0001793-22144-N	A1-TW-0001365-22144-N	A1-TW-0001366-22144-N
				Sample Date:	2022-08-24	2022-07-22	2022-08-23	2022-08-23	2022-08-24	2022-08-24	2022-06-20	2022-09-23
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	550	520	300	300	440	440	400	700	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	67.1	ND	52.3	53.2	52.9	ND	ND	76.7	
	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	67.1	ND	52.3	53.2	52.9	ND	ND	76.7	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.80	1.90	1.80	1.80	1.90	1.90	1.90	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.40	1.30	1.60	1.70	1.30	1.30	0.900	1.70	
	Copper	1300	MCL	16.5	23.7	17.4	17.7	13.6	13.6	10.3	40.5	
	Lead	15	MCL	0.130	ND	ND	ND	ND	ND	ND	ND	1.20
	Mercury	2	MCL	ND	0.0270	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.370	0.370	0.400	0.350	0.500	0.380	1.10	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	

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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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:	A1-PARK0188	A1-PARK0196	A1-PARK0210		A1-ROBI1204		A1-ROBI1304	A1-ROBI1305
				Location Type:	Residence	Residence	Residence		Residence		Residence	Residence
				Address:	188 Parker Court	196 Parker Court	210 Parker Court		1204 Robinson Avenue		1304 Robinson Avenue	1305 Robinson Avenue
				Field Sample ID:	A1-TW-0001761-22144-N	A1-TW-0001765-22144-N	A1-TW-0001771-22144-3-N	A1-TW-0001771-22144-N	A1-TW-0001793-22144-3-N	A1-TW-0001793-22144-N	A1-TW-0001365-22144-N	A1-TW-0001366-22144-N
				Sample Date:	2022-08-24	2022-07-22	2022-08-23	2022-08-23	2022-08-24	2022-08-24	2022-06-20	2022-09-23
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	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 A1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-PARK0188	A1-PARK0196	A1-PARK0210		A1-ROBI1204		A1-ROBI1304	A1-ROBI1305
				Location Type:	Residence	Residence	Residence		Residence		Residence	Residence
				Address:	188 Parker Court	196 Parker Court	210 Parker Court		1204 Robinson Avenue		1304 Robinson Avenue	1305 Robinson Avenue
				Field Sample ID:	A1-TW-0001761-22144-N	A1-TW-0001765-22144-N	A1-TW-0001771-22144-3-N	A1-TW-0001771-22144-N	A1-TW-0001793-22144-3-N	A1-TW-0001793-22144-N	A1-TW-0001365-22144-N	A1-TW-0001366-22144-N
				Sample Date:	2022-08-24	2022-07-22	2022-08-23	2022-08-23	2022-08-24	2022-08-24	2022-06-20	2022-09-23
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	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	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**Summary of Chemistry Results
Zone A1 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:	Location ID:
				A1-ROBI1317	A1-ROBI1319	A1-ROBI1321		A1-WAIA2387	A1-WAIA2389	A1-WAIA2421	A1-WAIA6948
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				1317 Robinson Avenue	1319 Robinson Avenue	1321 Robinson Avenue		2387 Waiianiani Court	2389 Waiianiani Court	2421 Waiianiani Court	6948 Waiauau Court
				A1-TW-0001370-22144-N	A1-TW-0001371-22144-N	A1-TW-0001372-22144-3-N	A1-TW-0001372-22144-N	A1-TW-0001378-22144-N	A1-TW-0001379-22144-N	A1-TW-0001393-22144-N	A1-TW-0001409-22144-N
				2022-08-23	2022-09-23	2022-06-21	2022-06-21	2022-06-20	2022-06-20	2022-06-23	2022-07-20
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	460	590	450	450	350	170	450	350
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	57.4	99.6	97.3	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	57.4	99.6	97.3	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	0.180	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90	1.80	2.00	2.10	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	1.40	1.80	1.10	0.960	1.00	0.860	0.680	1.20
	Copper	1300	MCL	24.1	18.3	23.5	22.4	35.8	30.3	38.2	48.5
	Lead	15	MCL	ND	ND	0.290	0.150	0.130	0.530	0.150	ND
	Mercury	2	MCL	ND	ND	ND	0.110	ND	ND	ND	ND
	Selenium	50	MCL	0.330	ND	1.80	1.00	1.70	1.80	0.990	0.490
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 A1

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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:
				A1-ROBI1317	A1-ROBI1319	A1-ROBI1321		A1-WAIA2387	A1-WAIA2389	A1-WAIA2421	A1-WAIA6948
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				1317 Robinson Avenue	1319 Robinson Avenue	1321 Robinson Avenue		2387 Waiianiani Court	2389 Waiianiani Court	2421 Waiianiani Court	6948 Waiiauau Court
				A1-TW-0001370-22144-N	A1-TW-0001371-22144-N	A1-TW-0001372-22144-3-N	A1-TW-0001372-22144-N	A1-TW-0001378-22144-N	A1-TW-0001379-22144-N	A1-TW-0001393-22144-N	A1-TW-0001409-22144-N
				2022-08-23	2022-09-23	2022-06-21	2022-06-21	2022-06-20	2022-06-20	2022-06-23	2022-07-20
				N (Normal)	N (Normal)	FD (Field Duplicate)	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	0.340	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 A1

**Summary of Chemistry Results
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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:
				A1-ROBI1317	A1-ROBI1319	A1-ROBI1321		A1-WAIA2387	A1-WAIA2389	A1-WAIA2421	A1-WAIA6948
				Location Type:	Location Type:	Location Type:		Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
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	--	--	0.840	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	7.20	ND	0.570	0.800	1.10	2.20	0.830	0.760
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	4.10	ND	ND	ND	0.600	0.940	ND	ND
	Total Trihalomethanes	80	MCL	12.1	ND	0.570	0.800	1.70	3.14	0.830	0.760

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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		Location ID:	A1-WAIA6978	A1-WAIK2225		A1-WAIK2229	A1-WAIK2255	A1-WAIK2260	A1-WAIP2142	A1-WAIP2144	
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence	
		Address:	6978 Waiauau Court	2225 Waikahe Court		2229 Waikahe Court	2255 Waikahe Court	2260 Waikahe Court	2142 Waipuilani Court	2144 Waipuilani Court	
		Field Sample ID:	A1-TW-0001421-22144-N	A1-TW-0001442-22144-3-N	A1-TW-0001442-22144-N	A1-TW-0001445-22144-N	A1-TW-0001456-22144-N	A1-TW-0001458-22144-N	A1-TW-0000446-22144-N	A1-TW-0001478-22144-N	
		Sample Date:	2022-06-21	2022-06-23	2022-06-23	2022-07-20	2022-08-23	2022-07-22	2022-08-23	2022-08-23	
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	320	190	190	380	410	290	300	260
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	51.5	ND	ND	65.7
	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	51.5	ND	ND	65.7
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.670	0.730	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90	2.10	1.80	1.90	1.90	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	1.40	0.790	0.910	1.30	1.40	1.30	1.40	1.40
	Copper	1300	MCL	39.2	62.2	65.7	39.7	31.0	68.8	58.5	30.6
	Lead	15	MCL	0.150	0.160	0.160	ND	0.260	0.230	ND	0.230
	Mercury	2	MCL	ND	0.0360	0.0620	ND	ND	0.0360	ND	ND
	Selenium	50	MCL	1.00	0.440	0.560	ND	0.350	0.530	0.340	0.300
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 A1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-WAIK2225		A1-WAIK2229	A1-WAIK2255	A1-WAIK2260	A1-WAIP2142	A1-WAIP2144	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	2225 Waikahe Court		2229 Waikahe Court	2255 Waikahe Court	2260 Waikahe Court	2142 Waipuilani Court	2144 Waipuilani Court	
				Field Sample ID:	A1-TW-0001421-22144-N	A1-TW-0001442-22144-3-N	A1-TW-0001442-22144-N	A1-TW-0001445-22144-N	A1-TW-0001456-22144-N	A1-TW-0001458-22144-N	A1-TW-0000446-22144-N	A1-TW-0001478-22144-N
				Sample Date:	2022-06-21	2022-06-23	2022-06-23	2022-07-20	2022-08-23	2022-07-22	2022-08-23	2022-08-23
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-WAIK2225		A1-WAIK2229	A1-WAIK2255	A1-WAIK2260	A1-WAIP2142	A1-WAIP2144	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address:	2225 Waikahe Court		2229 Waikahe Court	2255 Waikahe Court	2260 Waikahe Court	2142 Waipuilani Court	2144 Waipuilani Court	
				Field Sample ID:	A1-TW-0001421-22144-N	A1-TW-0001442-22144-3-N	A1-TW-0001442-22144-N	A1-TW-0001445-22144-N	A1-TW-0001456-22144-N	A1-TW-0001458-22144-N	A1-TW-0000446-22144-N	A1-TW-0001478-22144-N
				Sample Date:	2022-06-21	2022-06-23	2022-06-23	2022-07-20	2022-08-23	2022-07-22	2022-08-23	2022-08-23
				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	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	0.630	ND	2.10	1.60	0.390	ND	1.10	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	1.70	0.590	0.330	ND	0.510	ND	
	Total Trihalomethanes	80	MCL	0.630	ND	3.80	2.19	0.720	ND	1.61	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: A1-WAIP2146		Location ID: A1-WAIP2154	
				Location Type: Residence	Address: 2146 Waipuilani Court	Location Type: Residence	Address: 2154 Waipuilani Court
				Field Sample ID: A1-TW-0001479-22144-N	Sample Date: 2022-08-23	Field Sample ID: A1-TW-0001484-22144-N	Sample Date: 2022-08-23
				Sample Type: N (Normal)		Sample Type: N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	350		250	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND		ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND		ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND		ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND		ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND		ND	
Metals (ppb)	Antimony	6	MCL	ND		ND	
	Arsenic	10	MCL	ND		ND	
	Barium	2000	MCL	2.00		1.90	
	Beryllium	4	MCL	ND		ND	
	Cadmium	5	MCL	ND		ND	
	Chromium	100	MCL	1.50		1.60	
	Copper	1300	MCL	18.0		34.3	
	Lead	15	MCL	0.380		ND	
	Mercury	2	MCL	ND		ND	
	Selenium	50	MCL	0.490		0.380	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND		ND	
	1-Methylnaphthalene	10	EAL	ND		ND	
	2-Methylnaphthalene	10	EAL	ND		ND	
	Benzo(a)pyrene	0.2	MCL	ND		ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND		ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND		ND	
	1,1,1-Trichloroethane	--	--	ND		ND	
	1,1,2-Trichloroethane	5	MCL	ND		ND	
	1,1-Dichloroethene	7	MCL	ND		ND	

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

**Summary of Chemistry Results
Zone A1 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: A1-WAIP2146		Location ID: A1-WAIP2154	
				Location Type: Residence	Address: 2146 Waipuilani Court	Location Type: Residence	Address: 2154 Waipuilani Court
				Field Sample ID: A1-TW-0001479-22144-N	Sample Date: 2022-08-23	Field Sample ID: A1-TW-0001484-22144-N	Sample Date: 2022-08-23
				Sample Type: N (Normal)		Sample Type: N (Normal)	
Volatile Organic Compounds (ppb)	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	1.50	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
	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	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Residences in Zone A1

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

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	A1-WAIP2146	A1-WAIP2154
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	0.320	0.430
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	0.290	0.400
	Total Trihalomethanes	80	MCL	0.610	0.830

Location ID:	A1-WAIP2146	A1-WAIP2154
Location Type:	Residence	Residence
Address:	2146 Waipuilani Court	2154 Waipuilani Court
Field Sample ID:	A1-TW-0001479-22144-N	A1-TW-0001484-22144-N
Sample Date:	2022-08-23	2022-08-23
Sample Type:	N (Normal)	N (Normal)

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A1

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

Notes:
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				A1-BLDG0987	A1-BLDG0995	A1-BLDG1033
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 987,SDVT-1 HEADQUARTERS	Building 995,AMPHIBIOUS OPERATIONS BLDG	Building 1033
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				A1-TW-0014260-22144-N	A1-TW-0014255-22144-N	A1-TW-0041859-22144-N
				Sample Date:	Sample Date:	Sample Date:
				2022-06-14	2022-06-14	2022-06-14
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	520	510	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.150
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	2.00	2.20	2.10
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	0.840	0.980	1.20
	Copper	1300	MCL	90.6	49.3	52.2
	Lead	15	MCL	0.380	ND	ND
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0650	ND	0.200
	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	1.90	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A1

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

Notes:
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				A1-BLDG0987	A1-BLDG0995	A1-BLDG1033
				Location Type:	Location Type:	Location Type:
				Non-Residence	Non-Residence	Non-Residence
				Address:	Address:	Address:
				Building 987,SDVT-1 HEADQUARTERS	Building 995,AMPHIBIOUS OPERATIONS BLDG	Building 1033
				Field Sample ID:	Field Sample ID:	Field Sample ID:
				A1-TW-0014260-22144-N	A1-TW-0014255-22144-N	A1-TW-0041859-22144-N
				Sample Date:	Sample Date:	Sample Date:
				2022-06-14	2022-06-14	2022-06-14
				Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone A1

**Summary of Chemistry Results
Zone A1 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:	A1-BLDG0987	A1-BLDG0995	A1-BLDG1033	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 987,SDVT-1 HEADQUARTERS	Building 995,AMPHIBIOUS OPERATIONS BLDG	Building 1033	
		Field Sample ID:	A1-TW-0014260- 22144-N	A1-TW-0014255- 22144-N	A1-TW-0041859- 22144-N	
		Sample Date:	2022-06-14	2022-06-14	2022-06-14	
		Sample Type:	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
	Dichloroacetic acid	--	--	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	ND	1.00	ND
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.850	ND
	Total Trihalomethanes	80	MCL	ND	1.85	ND

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A1

**Summary of Chemistry Results
Zone A1 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:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72	
		Field Sample ID:	A1-DL-0016026-22144 -N	A1-DL-0016024-22144 -N	A1-DL-0000510-22144 -N	A1-DL-0016023-22144 -N	A1-DL-0016025-22144 -N	A1-DL-0016027-22144 -N	
		Sample Date:	2022-10-11	2022-10-11	2022-10-11	2022-09-23	2022-09-23	2022-09-23	
		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	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	150	460	130	470	260
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	77.4	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	ND	77.4	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	5.30	2.20	2.30	1.50	1.90	3.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.30	1.80	2.00	1.50	1.80	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	0.330
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	0.250
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	1.20
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A1

**Summary of Chemistry Results
Zone A1 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:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72	
		Field Sample ID:	A1-DL-0016026-22144 -N	A1-DL-0016024-22144 -N	A1-DL-0000510-22144 -N	A1-DL-0016023-22144 -N	A1-DL-0016025-22144 -N	A1-DL-0016027-22144 -N	
		Sample Date:	2022-10-11	2022-10-11	2022-10-11	2022-09-23	2022-09-23	2022-09-23	
		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	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	3.60	ND	ND	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	3.60	ND	ND	ND	ND	ND

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone A1

**Summary of Chemistry Results
Zone A1 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-HYD0402	A1-HYD2253	A1-HYD2254	A1-HYD2431	A1-HYD55B	A1-HYD72
				Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
				Address:	SA-DFH 57	SA-AFH 35	FH ID: SA-AFH 7	SA-AFH 60	Hydrant 55B	Hydrant 72
				Field Sample ID:	A1-DL-0016026-22144 -N	A1-DL-0016024-22144 -N	A1-DL-0000510-22144 -N	A1-DL-0016023-22144 -N	A1-DL-0016025-22144 -N	A1-DL-0016027-22144 -N
				Sample Date:	2022-10-11	2022-10-11	2022-10-11	2022-09-23	2022-09-23	2022-09-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.00	0.330	ND	ND	ND	ND	ND
	Bromoform	--	--	18.6	4.80	0.400	2.00	ND	ND	ND
	Chloroform	--	--	0.440	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	7.20	1.20	0.330	0.610	ND	ND	ND
	Total Trihalomethanes	80	MCL	28.2	6.33	0.730	2.61	ND	ND	ND