

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

Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
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§ - Exceeds Screening Level
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		Location ID:	A1-ALOH1604	A1-ALOH1605	A1-ASHL1038	A1-ASHL5001	A1-ASHL5005	A1-AUST0181	A1-AUST0197	A1-CORA1715	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1604 Aloha Avenue	1605 Aloha Avenue	1038 Ashley Avenue	5001 Ashley Avenue	5005 Ashley Avenue	181 Austin Court	197 Austin Court	1715 Coral Avenue	
		Field Sample ID:	A1-TW-0001565-22324-N	A1-TW-0001566-22324-N	A1-TW-0001277-22324-N	A1-TW-0001279-22324-N	A1-TW-0001283-22324-N	A1-TW-0001225-22324-N	A1-TW-0001602-22324-N	A1-TW-0001226-22324-3-N	
		Sample Date:	2023-03-27	2023-04-04	2023-04-04	2023-04-04	2023-01-06	2023-01-06	2023-04-04	2023-02-16	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	80.0	30.0	460	460	60.0	470	530	50.0
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	58.1	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	58.1	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.500	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90	2.30	2.10	1.90	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.20	1.60	1.70	1.80	2.60	2.10	1.70	1.60
	Copper	1300	MCL	31.2	36.3	44.4	13.5	49.1	39.7	24.5	35.0
	Lead	15	MCL	0.190	0.130	ND	ND	0.890	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	0.420	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

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		Location ID:	A1-ALOH1604	A1-ALOH1605	A1-ASHL1038	A1-ASHL5001	A1-ASHL5005	A1-AUST0181	A1-AUST0197	A1-CORA1715
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1604 Aloha Avenue	1605 Aloha Avenue	1038 Ashley Avenue	5001 Ashley Avenue	5005 Ashley Avenue	181 Austin Court	197 Austin Court	1715 Coral Avenue
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		Sample Date:	2023-03-27	2023-04-04	2023-04-04	2023-04-04	2023-01-06	2023-01-06	2023-04-04	2023-02-16
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
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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		Sample Date:	2023-03-27	2023-04-04	2023-04-04	2023-04-04	2023-01-06	2023-01-06	2023-04-04	2023-02-16
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	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	--	--	0.280	ND	ND	0.520	1.00	1.00	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.410	0.470	0.550	ND
	Total Trihalomethanes	80	MCL	0.280	ND	ND	0.930	1.47	1.55	ND

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		Location ID:	A1-CORA1715	A1-CURT0103	A1-CURT0105	A1-CURT0131	A1-CURT0135	A1-CURT0143	A1-ETCE0249	A1-ETCE0257	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1715 Coral Avenue	103 Curtis Court	105 Curtis Court	131 Curtis Court	135 Curtis Court	143 Curtis Court	249 Etccl Court	257 Etccl Court	
		Field Sample ID:	A1-TW-0001226-22324-N	A1-TW-0001260-22324-N	A1-TW-0001261-22324-N	A1-TW-0001274-22324-N	A1-TW-0001300-22324-N	A1-TW-0001304-22324-N	A1-TW-0001230-22324-N	A1-TW-0001232-22324-N	
		Sample Date:	2023-02-16	2023-02-16	2023-04-04	2023-01-06	2023-04-04	2023-03-27	2023-04-04	2023-03-24	
		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	50.0	350	220	350	460	90.0	120	410
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	350	220	350	460	90.0	120	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	54.8	ND	ND	56.6	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	103	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	54.8	103	ND	56.6	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	2.00	2.10	1.90	2.40	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	1.50	1.50	1.70	2.20	1.60	2.00	1.80	1.80
	Copper	1300	MCL	26.6	17.4	18.9	19.1	22.2	31.9	25.8	25.5
	Lead	15	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	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-CORA1715	A1-CURT0103	A1-CURT0105	A1-CURT0131	A1-CURT0135	A1-CURT0143	A1-ETCE0249	A1-ETCE0257
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1715 Coral Avenue	103 Curtis Court	105 Curtis Court	131 Curtis Court	135 Curtis Court	143 Curtis Court	249 Etccl Court	257 Etccl Court
		Field Sample ID:	A1-TW-0001226-22324-N	A1-TW-0001260-22324-N	A1-TW-0001261-22324-N	A1-TW-0001274-22324-N	A1-TW-0001300-22324-N	A1-TW-0001304-22324-N	A1-TW-0001230-22324-N	A1-TW-0001232-22324-N
		Sample Date:	2023-02-16	2023-02-16	2023-04-04	2023-01-06	2023-04-04	2023-03-27	2023-04-04	2023-03-24
		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
		Address:	1715 Coral Avenue	103 Curtis Court	105 Curtis Court	131 Curtis Court	135 Curtis Court	143 Curtis Court	249 Etccl Court	257 Etccl Court
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		Sample Date:	2023-02-16	2023-02-16	2023-04-04	2023-01-06	2023-04-04	2023-03-27	2023-04-04	2023-03-24
		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	0.360	ND	ND	ND	ND
	Bromoform	--	--	ND	0.310	1.10	0.340	0.540	0.410	0.290
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	1.00	0.320	0.400	0.340	ND
	Total Trihalomethanes	80	MCL	ND	0.310	2.46	0.660	0.940	0.750	0.290

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		Location ID:	A1-ETCE0259	A1-ETCE0287	A1-FARM6011	A1-KIRK2200	A1-KIRK2206		A1-KIRK2208	A1-KIRK2210	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	259 Etccl Court	287 Etccl Court	6011 Farm Street	2200 Kirkbride Avenue	2206 Kirkbride Avenue		2208 Kirkbride Avenue	2210 Kirkbride Avenue	
		Field Sample ID:	A1-TW-0001233-22324-N	A1-TW-0001246-22324-N	A1-TW-0001257-22324-N	A1-TW-0001631-22324-N	A1-TW-0001634-22324-3-N	A1-TW-0001634-22324-N	A1-TW-0001635-22324-N	A1-TW-0001636-22324-N	
		Sample Date:	2023-03-27	2023-04-04	2023-04-24	2023-03-27	2023-03-27	2023-03-27	2023-04-03	2023-02-16	
		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	310	550	150	60.0	450	450	250	280
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.6	ND	ND	61.3	57.2	78.2	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	66.0	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	55.6	ND	ND	127	57.2	78.2	ND	ND
Metals (ppb)	Antimony	6	MCL	0.120	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	2.00	1.90	1.90	2.40	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	2.10	1.80	1.60	ND	2.00	ND	1.70	1.50
	Copper	1300	MCL	27.5	25.0	32.3	12.0	28.9	30.5	54.4	20.0
	Lead	15	MCL	0.580	ND	0.140	ND	0.240	0.160	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	0.0690	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	0.0150	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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

Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

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		Location ID:	A1-ETCE0259	A1-ETCE0287	A1-FARM6011	A1-KIRK2200	A1-KIRK2206		A1-KIRK2208	A1-KIRK2210
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	259 Etccl Court	287 Etccl Court	6011 Farm Street	2200 Kirkbride Avenue	2206 Kirkbride Avenue		2208 Kirkbride Avenue	2210 Kirkbride Avenue
		Field Sample ID:	A1-TW-0001233-22324-N	A1-TW-0001246-22324-N	A1-TW-0001257-22324-N	A1-TW-0001631-22324-N	A1-TW-0001634-22324-3-N	A1-TW-0001634-22324-N	A1-TW-0001635-22324-N	A1-TW-0001636-22324-N
		Sample Date:	2023-03-27	2023-04-04	2023-04-24	2023-03-27	2023-03-27	2023-03-27	2023-04-03	2023-02-16
		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							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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

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		Location ID:	A1-ETCE0259	A1-ETCE0287	A1-FARM6011	A1-KIRK2200	A1-KIRK2206		A1-KIRK2208	A1-KIRK2210
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	259 Etccl Court	287 Etccl Court	6011 Farm Street	2200 Kirkbride Avenue	2206 Kirkbride Avenue		2208 Kirkbride Avenue	2210 Kirkbride Avenue
		Field Sample ID:	A1-TW-0001233-22324-N	A1-TW-0001246-22324-N	A1-TW-0001257-22324-N	A1-TW-0001631-22324-N	A1-TW-0001634-22324-3-N	A1-TW-0001634-22324-N	A1-TW-0001635-22324-N	A1-TW-0001636-22324-N
		Sample Date:	2023-03-27	2023-04-04	2023-04-24	2023-03-27	2023-03-27	2023-03-27	2023-04-03	2023-02-16
		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							
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	0.730	0.270	0.290	ND	0.490
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.250	ND	0.330
	Total Trihalomethanes	80	MCL	ND	0.340	0.730	0.270	0.540	ND	0.820

Summary of Chemistry Results
 Zone A1 Long Term Monitoring
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		Location ID:	A1-KIRK2218	A1-KIRK2220	A1-KIRK2363	A1-LANA4007	A1-LANI1405	A1-LANI1408	A1-LEHU0314	A1-LEHU0408	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2218 Kirkbride Avenue	2220 Kirkbride Avenue	2363 Kirkbride Avenue	4007 Lanakila Avenue	1405 Laniwai Avenue	1408 Laniwai Avenue	314 Lehua Avenue	408 Lehua Avenue	
		Field Sample ID:	A1-TW-0001638-22324-N	A1-TW-0001639-22324-N	A1-TW-0001652-22324-N	A1-TW-0001656-22324-N	A1-TW-0001509-22324-N	A1-TW-0001511-22324-N	A1-TW-0001520-22324-N	A1-TW-0001663-22324-N	
		Sample Date:	2023-04-24	2023-04-04	2023-03-24	2023-03-27	2023-04-04	2023-01-05	2023-01-06	2023-03-24	
		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	280	240	280	410	30.0	310	50.0	330
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	240	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	52.8	ND	60.1	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	52.8	ND	60.1	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	1.90	2.00	1.80	1.80	1.70	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	1.60	1.60	1.70	2.10	1.60	2.40	2.40	1.70
	Copper	1300	MCL	30.3	38.2	50.4	39.3	31.8	29.2	17.5	23.2
	Lead	15	MCL	0.220	0.260	0.210	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0920	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0870	ND	ND	ND	ND	ND	0.0520	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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

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		Location ID:	A1-KIRK2218	A1-KIRK2220	A1-KIRK2363	A1-LANA4007	A1-LANI1405	A1-LANI1408	A1-LEHU0314	A1-LEHU0408
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2218 Kirkbride Avenue	2220 Kirkbride Avenue	2363 Kirkbride Avenue	4007 Lanakila Avenue	1405 Laniwai Avenue	1408 Laniwai Avenue	314 Lehua Avenue	408 Lehua Avenue
		Field Sample ID:	A1-TW-0001638-22324-N	A1-TW-0001639-22324-N	A1-TW-0001652-22324-N	A1-TW-0001656-22324-N	A1-TW-0001509-22324-N	A1-TW-0001511-22324-N	A1-TW-0001520-22324-N	A1-TW-0001663-22324-N
		Sample Date:	2023-04-24	2023-04-04	2023-03-24	2023-03-27	2023-04-04	2023-01-05	2023-01-06	2023-03-24
		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	0.650	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2218 Kirkbride Avenue	2220 Kirkbride Avenue	2363 Kirkbride Avenue	4007 Lanakila Avenue	1405 Laniwai Avenue	1408 Laniwai Avenue	314 Lehua Avenue	408 Lehua Avenue
		Field Sample ID:	A1-TW-0001638-22324-N	A1-TW-0001639-22324-N	A1-TW-0001652-22324-N	A1-TW-0001656-22324-N	A1-TW-0001509-22324-N	A1-TW-0001511-22324-N	A1-TW-0001520-22324-N	A1-TW-0001663-22324-N
		Sample Date:	2023-04-24	2023-04-04	2023-03-24	2023-03-27	2023-04-04	2023-01-05	2023-01-06	2023-03-24
		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	0.650	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	0.450	0.400	ND
	Bromoform	--	--	0.630	0.580	0.440	ND	0.430	2.40	1.30
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.350	0.330	0.310	ND	ND	1.90	0.970
	Total Trihalomethanes	80	MCL	0.980	0.910	0.750	ND	0.430	4.75	2.67

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		Location ID:	A1-LEHU0422	A1-LEHU0513	A1-LEYC0106	A1-LEYC0114	A1-LEYC0124	A1-LEYC0154	A1-LOCH7007	A1-LOCH7012	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	422 Lehua Avenue	513 Lehua Avenue	106 Ley Court	114 Ley Court	124 Ley Court	154 Ley Court	7007 Loch Street	7012 Loch Street	
		Field Sample ID:	A1-TW-0001668-22324-N	A1-TW-0001685-22324-N	A1-TW-0001699-22324-N	A1-TW-0001702-22324-N	A1-TW-0001707-22324-N	A1-TW-0001719-22324-N	A1-TW-0001727-22324-N	A1-TW-0001528-22324-N	
		Sample Date:	2023-04-04	2023-03-27	2023-03-27	2023-03-27	2023-01-06	2023-01-05	2023-01-06	2023-03-27	
		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	230	420	190	300	390	250	300	480
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	59.7	87.6	ND	ND	58.9	ND	85.5
	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	59.7	87.6	ND	ND	58.9	ND	85.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.130	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.640	ND	ND
	Barium	2000	MCL	2.00	1.90	1.80	1.80	1.80	1.80	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	2.00	ND	2.10	2.30	2.20	2.20	ND
	Copper	1300	MCL	29.9	21.9	40.7	31.5	18.5	34.3	37.4	19.8
	Lead	15	MCL	0.130	ND	ND	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.110	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	0.360	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0730	ND	ND	0.0610	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-LEHU0422	A1-LEHU0513	A1-LEYC0106	A1-LEYC0114	A1-LEYC0124	A1-LEYC0154	A1-LOCH7007	A1-LOCH7012
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	422 Lehua Avenue	513 Lehua Avenue	106 Ley Court	114 Ley Court	124 Ley Court	154 Ley Court	7007 Loch Street	7012 Loch Street
		Field Sample ID:	A1-TW-0001668-22324-N	A1-TW-0001685-22324-N	A1-TW-0001699-22324-N	A1-TW-0001702-22324-N	A1-TW-0001707-22324-N	A1-TW-0001719-22324-N	A1-TW-0001727-22324-N	A1-TW-0001528-22324-N
		Sample Date:	2023-04-04	2023-03-27	2023-03-27	2023-03-27	2023-01-06	2023-01-05	2023-01-06	2023-03-27
		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	0.510	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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

Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

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		Location ID:	A1-LEHU0422	A1-LEHU0513	A1-LEYC0106	A1-LEYC0114	A1-LEYC0124	A1-LEYC0154	A1-LOCH7007	A1-LOCH7012
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	422 Lehua Avenue	513 Lehua Avenue	106 Ley Court	114 Ley Court	124 Ley Court	154 Ley Court	7007 Loch Street	7012 Loch Street
		Field Sample ID:	A1-TW-0001668-22324-N	A1-TW-0001685-22324-N	A1-TW-0001699-22324-N	A1-TW-0001702-22324-N	A1-TW-0001707-22324-N	A1-TW-0001719-22324-N	A1-TW-0001727-22324-N	A1-TW-0001528-22324-N
		Sample Date:	2023-04-04	2023-03-27	2023-03-27	2023-03-27	2023-01-06	2023-01-05	2023-01-06	2023-03-27
		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	0.510	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.730	ND	ND	ND	ND	0.300	0.540
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.490	ND	ND	ND	ND	ND	0.460
	Total Trihalomethanes	80	MCL	1.22	ND	ND	ND	ND	0.300	1.00

Summary of Chemistry Results
 Zone A1 Long Term Monitoring
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Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	A1-LOWE1007	A1-LOWE1100	A1-LOWE1103	A1-PALM1800	A1-PALM1803	A1-PALM1807	A1-PALM1901	A1-PARK0162
				Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence
				Address:	1007 Lowella Avenue	1100 Lowella Avenue	1103 Lowella Ave (CDH)	1800 Palm Avenue	1803 Palm Avenue	1807 Palm Avenue	1901 Palm Avenue	162 Parker Court
				Field Sample ID:	A1-TW-0001536-22324-N	A1-TW-0001554-22324-N	A1-TW-0017808-22324-N	A1-TW-0000453-22324-N	A1-TW-0001341-22324-N	A1-TW-0001344-22324-N	A1-TW-0001746-22324-N	A1-TW-0001751-22324-N
				Sample Date:	2023-04-04	2023-03-24	2023-02-16	2023-03-24	2023-03-27	2023-03-27	2023-04-04	2023-03-24
				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	280	270	710	410	450	470	190	30.0	
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	72.6	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	ND	72.6	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	2.40	1.80	1.90	2.00	2.10	2.10	2.00	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	1.80	1.60	1.40	1.70	2.00	2.30	1.70	1.70	
	Copper	1300	MCL	21.3	89.7	15.3	21.8	41.8	26.6	31.9	35.0	
	Lead	15	MCL	ND	ND	0.160	ND	ND	ND	ND	ND	0.210
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	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	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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		Location ID:	A1-LOWE1007	A1-LOWE1100	A1-LOWE1103	A1-PALM1800	A1-PALM1803	A1-PALM1807	A1-PALM1901	A1-PARK0162	
		Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence	
		Address:	1007 Lowell Avenue	1100 Lowell Avenue	1103 Lowell Ave (CDH)	1800 Palm Avenue	1803 Palm Avenue	1807 Palm Avenue	1901 Palm Avenue	162 Parker Court	
		Field Sample ID:	A1-TW-0001536-22324-N	A1-TW-0001554-22324-N	A1-TW-0017808-22324-N	A1-TW-0000453-22324-N	A1-TW-0001341-22324-N	A1-TW-0001344-22324-N	A1-TW-0001746-22324-N	A1-TW-0001751-22324-N	
		Sample Date:	2023-04-04	2023-03-24	2023-02-16	2023-03-24	2023-03-27	2023-03-27	2023-04-04	2023-03-24	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	

Summary of Chemistry Results
 Zone A1 Long Term Monitoring
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		Location Type:	Residence	Residence	Residential Child Care	Residence	Residence	Residence	Residence	Residence
		Address:	1007 Lowella Avenue	1100 Lowella Avenue	1103 Lowella Ave (CDH)	1800 Palm Avenue	1803 Palm Avenue	1807 Palm Avenue	1901 Palm Avenue	162 Parker Court
		Field Sample ID:	A1-TW-0001536-22324-N	A1-TW-0001554-22324-N	A1-TW-0017808-22324-N	A1-TW-0000453-22324-N	A1-TW-0001341-22324-N	A1-TW-0001344-22324-N	A1-TW-0001746-22324-N	A1-TW-0001751-22324-N
		Sample Date:	2023-04-04	2023-03-24	2023-02-16	2023-03-24	2023-03-27	2023-03-27	2023-04-04	2023-03-24
		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	--	--	0.380	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	1.20	ND	ND	0.360	0.360	0.440	0.880
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.970	ND	ND	0.290	0.310	0.350	0.460
	Total Trihalomethanes	80	MCL	2.55	ND	ND	0.650	0.670	0.790	1.34

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		Location ID:	A1-PARK0166	A1-PARK0168	A1-PARK0182	A1-PARK0208	A1-ROBI1209	A1-ROBI1211	A1-ROBI1303	A1-ROBI1323	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	166 Parker Court	168 Parker Court	182 Parker Court	208 Parker Court	1209 Robinson Avenue	1211 Robinson Avenue	1303 Robinson Avenue	1323 Robinson Avenue	
		Field Sample ID:	A1-TW-0001753-22324-N	A1-TW-0001754-22324-N	A1-TW-0001760-22324-N	A1-TW-0001770-22324-N	A1-TW-0001797-22324-N	A1-TW-0001798-22324-N	A1-TW-0001364-22324-N	A1-TW-0001373-22324-N	
		Sample Date:	2023-03-24	2023-03-24	2023-01-06	2023-03-27	2023-01-05	2023-03-24	2023-01-06	2023-01-05	
		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	30.0	640	130	430	650	430	340	490
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	53.5	77.7	ND	58.8	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	53.5	77.7	ND	58.8	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	1.80	1.70	1.70	1.80	1.70	1.70
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.80	2.30	ND	2.10	1.70	2.30	2.20
	Copper	1300	MCL	80.6	44.8	26.5	21.6	28.2	40.4	131	27.3
	Lead	15	MCL	3.60	0.240	ND	ND	ND	ND	0.480	0.140
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0660
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	0.0700	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:	A1-PARK0166	A1-PARK0168	A1-PARK0182	A1-PARK0208	A1-ROBI1209	A1-ROBI1211	A1-ROBI1303	A1-ROBI1323	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	166 Parker Court	168 Parker Court	182 Parker Court	208 Parker Court	1209 Robinson Avenue	1211 Robinson Avenue	1303 Robinson Avenue	1323 Robinson Avenue	
		Field Sample ID:	A1-TW-0001753-22324-N	A1-TW-0001754-22324-N	A1-TW-0001760-22324-N	A1-TW-0001770-22324-N	A1-TW-0001797-22324-N	A1-TW-0001798-22324-N	A1-TW-0001364-22324-N	A1-TW-0001373-22324-N	
		Sample Date:	2023-03-24	2023-03-24	2023-01-06	2023-03-27	2023-01-05	2023-03-24	2023-01-06	2023-01-05	
		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)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	0.400	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	

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		Location ID:	A1-PARK0166	A1-PARK0168	A1-PARK0182	A1-PARK0208	A1-ROBI1209	A1-ROBI1211	A1-ROBI1303	A1-ROBI1323
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	166 Parker Court	168 Parker Court	182 Parker Court	208 Parker Court	1209 Robinson Avenue	1211 Robinson Avenue	1303 Robinson Avenue	1323 Robinson Avenue
		Field Sample ID:	A1-TW-0001753-22324-N	A1-TW-0001754-22324-N	A1-TW-0001760-22324-N	A1-TW-0001770-22324-N	A1-TW-0001797-22324-N	A1-TW-0001798-22324-N	A1-TW-0001364-22324-N	A1-TW-0001373-22324-N
		Sample Date:	2023-03-24	2023-03-24	2023-01-06	2023-03-27	2023-01-05	2023-03-24	2023-01-06	2023-01-05
		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)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.390	ND	ND	ND	0.580	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	0.300	ND
	Total Trihalomethanes	80	MCL	ND	0.390	ND	ND	ND	0.880	ND

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 Zone A1 Long Term Monitoring
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		Location ID:	A1-WAIA2402	A1-WAIA6920	A1-WAIA6922	A1-WAIA6924	A1-WAIA6976	A1-WAIE7003	A1-WAIE7020	A1-WAIK2233	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2402 Waianiani Court	6920 Waiauau Court	6922 Waiauau Court	6924 Waiauau Court	6976 Waiauau Court	7003 Waiea Court	7020 Waiea Court	2233 Waikahe Court	
		Field Sample ID:	A1-TW-0001386-22324-N	A1-TW-0001399-22324-N	A1-TW-0001400-22324-N	A1-TW-0001401-22324-N	A1-TW-0001419-22324-N	A1-TW-0001425-22324-N	A1-TW-0001432-22324-N	A1-TW-0001447-22324-N	
		Sample Date:	2023-01-06	2023-03-24	2023-03-23	2023-03-24	2023-01-06	2023-01-05	2023-01-06	2023-03-24	
		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	430	120	410	310	490	540	350	200
Field Test (ppb)	Free Chlorine	4000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
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	56.4	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	101	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	101	ND	ND	ND	ND	56.4	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	1.90	1.90	1.80	1.80	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.20	1.60	1.70	1.80	2.30	2.10	2.30	1.60
	Copper	1300	MCL	45.5	69.7	42.3	55.0	30.6	67.4	61.6	101
	Lead	15	MCL	ND	ND	0.210	0.950	ND	4.90	0.170	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0650	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	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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 Zone A1 Long Term Monitoring
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		Location ID:	A1-WAIA2402	A1-WAIA6920	A1-WAIA6922	A1-WAIA6924	A1-WAIA6976	A1-WAIE7003	A1-WAIE7020	A1-WAIK2233
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2402 Waianiani Court	6920 Waiauau Court	6922 Waiauau Court	6924 Waiauau Court	6976 Waiauau Court	7003 Waiea Court	7020 Waiea Court	2233 Waikahe Court
		Field Sample ID:	A1-TW-0001386-22324-N	A1-TW-0001399-22324-N	A1-TW-0001400-22324-N	A1-TW-0001401-22324-N	A1-TW-0001419-22324-N	A1-TW-0001425-22324-N	A1-TW-0001432-22324-N	A1-TW-0001447-22324-N
		Sample Date:	2023-01-06	2023-03-24	2023-03-23	2023-03-24	2023-01-06	2023-01-05	2023-01-06	2023-03-24
		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
		Address:	2402 Waianiani Court	6920 Waiauau Court	6922 Waiauau Court	6924 Waiauau Court	6976 Waiauau Court	7003 Waiea Court	7020 Waiea Court	2233 Waikahe Court
		Field Sample ID:	A1-TW-0001386-22324-N	A1-TW-0001399-22324-N	A1-TW-0001400-22324-N	A1-TW-0001401-22324-N	A1-TW-0001419-22324-N	A1-TW-0001425-22324-N	A1-TW-0001432-22324-N	A1-TW-0001447-22324-N
		Sample Date:	2023-01-06	2023-03-24	2023-03-23	2023-03-24	2023-01-06	2023-01-05	2023-01-06	2023-03-24
		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	--	--	0.430	0.650	0.550	0.750	ND	0.470	0.910
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	0.300	0.340	0.430	ND	0.300	0.530
	Total Trihalomethanes	80	MCL	0.740	0.950	0.890	1.18	ND	0.770	1.44

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		Location ID:	A1-WAIK2235	A1-WAIK2269	A1-WAIP2116	A1-WAIP2118	A1-WAIP2120	A1-WAIP2134		A1-WAIP2160	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	2235 Waikahe Court	2269 Waikahe Court	2116 Waipuilani Court	2118 Waipuilani Court	2120 Waipuilani Court	2134 Waipuilani Court		2160 Waipuilani Court	
		Field Sample ID:	A1-TW-0001448-22324-N	A1-TW-0001463-22324-N	A1-TW-0001469-22324-N	A1-TW-0001470-22324-N	A1-TW-0000468-22324-N	A1-TW-0001476-22324-3-N	A1-TW-0001476-22324-N	A1-TW-0001486-22324-3-N	
		Sample Date:	2023-01-06	2023-01-06	2023-01-06	2023-03-24	2023-01-24	2023-01-06	2023-01-06	2023-03-24	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	410	320	300	510	460	410	410	430
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	52.0	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	52.0	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.460	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.70	1.90	1.90	2.00	1.90	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	2.20	2.20	2.20	1.70	1.80	2.30	2.20	1.70
	Copper	1300	MCL	62.6	57.8	43.6	51.4	26.9	21.1	20.1	35.7
	Lead	15	MCL	ND	0.170	ND	0.240	0.200	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	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	0.420	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:
				A1-WAIK2235	A1-WAIK2269	A1-WAIP2116	A1-WAIP2118	A1-WAIP2120	A1-WAIP2134		A1-WAIP2160
				Residence	Residence	Residence	Residence	Residence	Residence		Residence
				2235 Waikahe Court	2269 Waikahe Court	2116 Waipuilani Court	2118 Waipuilani Court	2120 Waipuilani Court	2134 Waipuilani Court		2160 Waipuilani Court
				A1-TW-0001448-22324-N	A1-TW-0001463-22324-N	A1-TW-0001469-22324-N	A1-TW-0001470-22324-N	A1-TW-0000468-22324-N	A1-TW-0001476-22324-3-N	A1-TW-0001476-22324-N	A1-TW-0001486-22324-3-N
				2023-01-06	2023-01-06	2023-01-06	2023-03-24	2023-01-24	2023-01-06	2023-01-06	2023-03-24
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
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-WAIK2235	A1-WAIK2269	A1-WAIP2116	A1-WAIP2118	A1-WAIP2120	A1-WAIP2134		A1-WAIP2160
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence
				Address:	2235 Waikaha Court	2269 Waikaha Court	2116 Waipuilani Court	2118 Waipuilani Court	2120 Waipuilani Court	2134 Waipuilani Court		2160 Waipuilani Court
				Field Sample ID:	A1-TW-0001448-22324-N	A1-TW-0001463-22324-N	A1-TW-0001469-22324-N	A1-TW-0001470-22324-N	A1-TW-0000468-22324-N	A1-TW-0001476-22324-3-N	A1-TW-0001476-22324-N	A1-TW-0001486-22324-3-N
				Sample Date:	2023-01-06	2023-01-06	2023-01-06	2023-03-24	2023-01-24	2023-01-06	2023-01-06	2023-03-24
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
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	ND	1.20	0.320	ND	0.360	0.320	0.420	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	0.650	0.290	ND	0.300	0.310	0.320	
	Total Trihalomethanes	80	MCL	ND	ND	1.85	0.610	ND	0.660	0.630	0.740	

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Location ID:	A1-WAIP2160
Location Type:	Residence
Address:	2160 Waipuilani Court
Field Sample ID:	A1-TW-0001486-22324-N
Sample Date:	2023-03-24
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	200
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	1.80
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.70
	Copper	1300	MCL	46.9
	Lead	15	MCL	0.130
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND
	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND
	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND

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

Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

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

Location ID:	A1-WAIP2160
Location Type:	Residence
Address:	2160 Waipuilani Court
Field Sample ID:	A1-TW-0001486-22324-N
Sample Date:	2023-03-24
Sample Type:	N (Normal)

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

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

Drinking Water Samples collected in January - April 2023 from Residences in Zone A1

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

Location ID:	A1-WAIP2160
Location Type:	Residence
Address:	2160 Waipuilani Court
Field Sample ID:	A1-TW-0001486-22324-N
Sample Date:	2023-03-24
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.510
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	0.320
	Total Trihalomethanes	80	MCL	0.830

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

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

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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:		A1-HYD0402		A1-HYD2253		A1-HYD2254		A1-HYD2431		A1-HYD55B	
		Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
		Address:		SA-DFH 57		SA-AFH 35		FH ID: SA-AFH 7		SA-AFH 60		Hydrant 55B	
		Field Sample ID:		A1-DL-0016026-22324 -3-N	A1-DL-0016026-22324 -N	A1-DL-0016024-22324 -N	A1-DL-0000510-22324 -3-N	A1-DL-0000510-22324 -N	A1-DL-0016023-22324 -3-N	A1-DL-0016023-22324 -N	A1-DL-0016025-22324 -N		
		Sample Date:		2023-02-16	2023-02-16	2023-02-16	2023-04-04	2023-04-04	2023-04-04	2023-04-04	2023-04-04		
		Sample Type:		FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	50.0	50.0	50.0	470	470	90.0	90.0	320		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	260	230	ND	ND	ND	ND	ND	360		
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	52.9	55.2	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	57.1		
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	52.9	55.2	ND	ND	57.1		
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.550		
	Barium	2000	MCL	6.60	6.60	2.20	2.10	2.10	1.90	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	3.00	3.30	1.40	1.60	1.60	1.20	1.20	1.80		
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Thallium	2	MCL	ND	ND	ND	ND	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	0.410		
	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		
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND		

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

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

Notes:
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EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	A1-HYD0402		A1-HYD2253	A1-HYD2254		A1-HYD2431		A1-HYD55B	
		Location Type:	Hydrant		Hydrant	Hydrant		Hydrant		Hydrant	
		Address:	SA-DFH 57		SA-AFH 35	FH ID: SA-AFH 7		SA-AFH 60		Hydrant 55B	
		Field Sample ID:	A1-DL-0016026-22324 -3-N	A1-DL-0016026-22324 -N	A1-DL-0016024-22324 -N	A1-DL-0000510-22324 -3-N	A1-DL-0000510-22324 -N	A1-DL-0016023-22324 -3-N	A1-DL-0016023-22324 -N	A1-DL-0016025-22324 -N	
		Sample Date:	2023-02-16	2023-02-16	2023-02-16	2023-04-04	2023-04-04	2023-04-04	2023-04-04	2023-04-26	
		Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Volatile Organic Compounds (ppb)	1,2-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
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
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

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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-HYD0402		A1-HYD2253	A1-HYD2254		A1-HYD2431		A1-HYD55B			
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:
				A1-DL-0016026-22324-3-N	A1-DL-0016026-22324-N	A1-DL-0016024-22324-N	A1-DL-0000510-22324-3-N	A1-DL-0000510-22324-N	A1-DL-0016023-22324-3-N	A1-DL-0016023-22324-N	A1-DL-0016025-22324-N			
				2023-02-16	2023-02-16	2023-02-16	2023-04-04	2023-04-04	2023-04-04	2023-04-04	2023-04-26			
				FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)			
				2.40	2.30	0.350	ND	ND	ND	ND	ND			
				16.3	16.1	7.30	0.430	0.420	2.30	2.20	0.750			
				0.890	0.870	ND	ND	ND	ND	ND	ND			
				6.70	6.60	1.20	0.310	0.250	0.350	0.340	0.400			
		80	MCL	26.3	25.9	8.85	0.740	0.670	2.65	2.54	1.15			

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

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

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Location ID:	A1-HYD72
Location Type:	Hydrant
Address:	Hydrant 72
Field Sample ID:	A1-DL-0016027-22324 -N
Sample Date:	2023-04-04
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	760
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	1.90
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.70
	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
 Zone A1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

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

Location ID:	A1-HYD72
Location Type:	Hydrant
Address:	Hydrant 72
Field Sample ID:	A1-DL-0016027-22324 -N
Sample Date:	2023-04-04
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

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

Drinking Water Samples collected in January - April 2023 from Fire Hydrants in Zone A1

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Location ID:	A1-HYD72
Location Type:	Hydrant
Address:	Hydrant 72
Field Sample ID:	A1-DL-0016027-22324 -N
Sample Date:	2023-04-04
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.320
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	0.320