

**Summary of Chemistry Results
Zone H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone H3

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
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H3-ABEL0181	H3-BITT1603	H3-BLAC1702	H3-BLAC1853	H3-CHUN0120	H3-COCO0115	H3-HALA0233	H3-JASM0170
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	181 Abelia Place	1603 Bittersweet Place	1702 Blackhaw Place	1853 Blackthorn Loop	120 Chung-Hoon Place	115 Cocos Place	233 Halawa View Circle	170 Jasmine Place
				Field Sample ID:	H3-TW-0013959-22100-A	H3-TW-0013871-22100-A	H3-TW-0013875-22100-A	H3-TW-0013889-22100-A	H3-TW-0013974-22100-A	H3-TW-0013987-22100-A	H3-TW-0013683-22100-A	H3-TW-0013705-22100-3-A
				Sample Date:	2022-04-18	2022-04-18	2022-04-29	2022-04-20	2022-04-18	2022-04-19	2022-04-18	2022-04-18
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Field Test (ppb)	Free Chlorine	4000	MCL	350	370	50.0	90.0	200	400	410	260	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	220	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	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	211	ISP	ND	ND	ND	ND	ND	ND	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	6.90	7.50	5.70	5.80	7.00	5.50	6.80	7.10	
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	31.8	85.1	10.9	28.5	7.50	10.1	15.9	74.4	
	Lead	15	MCL	0.220	0.420	0.140	0.460	0.860	0.250	0.180	0.810	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.710	ND	0.780	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	0.0680	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	0.870
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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H3-ABEL0181	H3-BITT1603	H3-BLAC1702	H3-BLAC1853	H3-CHUN0120	H3-COCO0115	H3-HALA0233	H3-JASM0170
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	181 Abelia Place	1603 Bittersweet Place	1702 Blackhaw Place	1853 Blackthorn Loop	120 Chung-Hoon Place	115 Cocos Place	233 Halawa View Circle	170 Jasmine Place
				Field Sample ID:	H3-TW-0013959-22100-A	H3-TW-0013871-22100-A	H3-TW-0013875-22100-A	H3-TW-0013889-22100-A	H3-TW-0013974-22100-A	H3-TW-0013987-22100-A	H3-TW-0013683-22100-A	H3-TW-0013705-22100-3-A
				Sample Date:	2022-04-18	2022-04-18	2022-04-29	2022-04-20	2022-04-18	2022-04-19	2022-04-18	2022-04-18
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	H3-ABEL0181	H3-BITT1603	H3-BLAC1702	H3-BLAC1853	H3-CHUN0120	H3-COCO0115	H3-HALA0233	H3-JASM0170	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	181 Abelia Place	1603 Bittersweet Place	1702 Blackhaw Place	1853 Blackthorn Loop	120 Chung-Hoon Place	115 Cocos Place	233 Halawa View Circle	170 Jasmine Place	
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		Sample Date:	2022-04-18	2022-04-18	2022-04-29	2022-04-20	2022-04-18	2022-04-19	2022-04-18	2022-04-18	
		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	H3-ABEL0181	H3-BITT1603	H3-BLAC1702	H3-BLAC1853	H3-CHUN0120	H3-COCO0115	H3-HALA0233	H3-JASM0170
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	1.80	0.970	ND	ND	ND	ND
	Bromoform	--	--	1.70	2.00	4.30	9.00	0.650	ND	0.920	1.30
	Chloroform	--	--	ND	ND	0.840	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.20	1.40	3.50	3.40	0.710	ND	0.870	1.10
	Total Trihalomethanes	80	MCL	2.90	3.30	10.5	13.3	1.40	ND	1.80	2.50

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		Location ID:	H3-JASM0170	H3-JUST0135	H3-JUST0155	H3-KOAP0117	H3-MACD0173	H3-OCTO0133	H3-OCTO0143	H3-OCTO0146	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	170 Jasmine Place	135 Justicia Place	155 Justicia Place	117 Koa Place	173 MacDonald Place	133 Octopus Lane	143 Octopus Lane	146 Octopus Lane	
		Field Sample ID:	H3-TW-0013705-22100-A	H3-TW-0013713-22100-A	H3-TW-0013717-22100-A	H3-TW-0013732-22100-A	H3-TW-0013735-22100-A	H3-TW-0013738-22100-A	H3-TW-0011910-22100-A	H3-TW-0013746-22100-A	
		Sample Date:	2022-04-18	2022-04-15	2022-04-18	2022-04-18	2022-04-19	2022-04-18	2022-04-18	2022-04-18	
		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	420	330	320	390	290	340	280
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	211	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	7.20	7.40	7.00	6.80	6.90	7.10	7.10	6.80
	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	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	67.4	30.6	19.3	104	67.9	48.2	32.3	65.1
	Lead	15	MCL	0.370	0.220	0.360	0.420	0.520	0.610	0.420	3.70
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	0.660	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	0.440	ND	ND	ND	ND	0.460	0.570	0.430
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:	H3-JASM0170	H3-JUST0135	H3-JUST0155	H3-KOAP0117	H3-MACD0173	H3-OCTO0133	H3-OCTO0143	H3-OCTO0146
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	170 Jasmine Place	135 Justicia Place	155 Justicia Place	117 Koa Place	173 MacDonald Place	133 Octopus Lane	143 Octopus Lane	146 Octopus Lane
		Field Sample ID:	H3-TW-0013705-22100-A	H3-TW-0013713-22100-A	H3-TW-0013717-22100-A	H3-TW-0013732-22100-A	H3-TW-0013735-22100-A	H3-TW-0013738-22100-A	H3-TW-0011910-22100-A	H3-TW-0013746-22100-A
		Sample Date:	2022-04-18	2022-04-15	2022-04-18	2022-04-18	2022-04-19	2022-04-18	2022-04-18	2022-04-18
		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	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:	170 Jasmine Place	135 Justicia Place	155 Justicia Place	117 Koa Place	173 MacDonald Place	133 Octopus Lane	143 Octopus Lane	146 Octopus Lane
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		Sample Date:	2022-04-18	2022-04-15	2022-04-18	2022-04-18	2022-04-19	2022-04-18	2022-04-18	2022-04-18
		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	--	--	0.930	1.20	2.50	0.560	0.830	1.50	0.690
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.870	1.00	1.70	0.580	0.580	0.940	0.760
	Total Trihalomethanes	80	MCL	1.80	2.20	4.20	1.10	1.40	2.50	1.50

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H3-ORIG0121	H3-POIN0168	H3-POIN2109	H3-SHOW0181
				Location Type:	Residence	Residence	Residence	Residence
				Address:	121 Orig Place	168 Poinciana Place	2109 Point Welcome Place	181 Shower Place
				Field Sample ID:	H3-TW-0013781-22100-A	H3-TW-0013793-22100-A	H3-TW-0013927-22100-A	H3-TW-0013810-22100-A
				Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-15
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	350	670	370	520	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	6.90	6.90	7.00	7.00	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	ND	ND	ND	ND	
	Copper	1300	MCL	24.6	26.7	38.4	5.70	
	Lead	15	MCL	0.390	0.210	ND	0.420	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	0.300	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	0.830	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	

**Summary of Chemistry Results
Zone H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone H3

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
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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:	H3-ORIG0121	H3-POIN0168	H3-POIN2109	H3-SHOW0181
				Location Type:	Residence	Residence	Residence	Residence
				Address:	121 Orig Place	168 Poinciana Place	2109 Point Welcome Place	181 Shower Place
				Field Sample ID:	H3-TW-0013781-22100-A	H3-TW-0013793-22100-A	H3-TW-0013927-22100-A	H3-TW-0013810-22100-A
				Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-15
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone H3

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	H3-ORIG0121	H3-POIN0168	H3-POIN2109	H3-SHOW0181
				Location Type:	Residence	Residence	Residence	Residence
				Address:	121 Orig Place	168 Poinciana Place	2109 Point Welcome Place	181 Shower Place
				Field Sample ID:	H3-TW-0013781-22100-A	H3-TW-0013793-22100-A	H3-TW-0013927-22100-A	H3-TW-0013810-22100-A
				Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-15
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	0.650	0.670	1.20	0.550	
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.620	0.680	1.00	0.510	
	Total Trihalomethanes	80	MCL	1.30	1.30	2.20	1.10	

**Summary of Chemistry Results
Zone H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone H3

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		Location ID:		H3-HYD1641A		H3-HYD1651A		H3-HYD1676A	
		Location Type:		Hydrant		Hydrant		Hydrant	
		Address:		Hydrant 1641		Hydrant 1651		Hydrant 1676	
		Field Sample ID:		H3-DL-0017760-22100-3-A	H3-DL-0017760-22100-A	H3-DL-0017761-22100-A	H3-DL-0017759-22100-A		
		Sample Date:		2022-04-15		2022-04-15		2022-04-15	
		Sample Type:		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	380	380	80.0	430		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND		
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND		
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND		
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND		
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND		
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND		
	Arsenic	10	MCL	ND	ND	ND	ND		
	Barium	2000	MCL	7.30	7.10	7.30	7.00		
	Beryllium	4	MCL	ND	ND	ND	ND		
	Cadmium	5	MCL	ND	ND	ND	ND		
	Chromium	100	MCL	ND	ND	ND	ND		
	Copper	1300	MCL	4.10	3.90	4.50	2.50		
	Lead	15	MCL	1.30	1.20	1.20	0.510		
	Mercury	2	MCL	ND	ND	ND	ND		
	Selenium	50	MCL	0.370	ND	0.480	0.350		
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND		
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND		
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND		
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND		
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND		
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND		
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND		
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND		
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND		

**Summary of Chemistry Results
Zone H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone H3

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: H3-HYD1641A			
				H3-DL-0017760-22100-3-A	H3-DL-0017760-22100-A	H3-DL-0017761-22100-A	H3-DL-0017759-22100-A
				Location Type: Hydrant	Location Type: Hydrant	Location Type: Hydrant	Location Type: Hydrant
				Address: Hydrant 1641	Address: Hydrant 1651	Address: Hydrant 1676	Address: Hydrant 1676
				Field Sample ID: H3-DL-0017760-22100-3-A	Field Sample ID: H3-DL-0017760-22100-A	Field Sample ID: H3-DL-0017761-22100-A	Field Sample ID: H3-DL-0017759-22100-A
				Sample Date: 2022-04-15	Sample Date: 2022-04-15	Sample Date: 2022-04-15	Sample Date: 2022-04-15
				Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	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	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND
	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

**Summary of Chemistry Results
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		Location ID:		H3-HYD1641A		H3-HYD1651A		H3-HYD1676A	
		Location Type:		Hydrant		Hydrant		Hydrant	
		Address:		Hydrant 1641		Hydrant 1651		Hydrant 1676	
		Field Sample ID:		H3-DL-0017760-22100 -3-A		H3-DL-0017760-22100 -A		H3-DL-0017761-22100 -A	
		Sample Date:		2022-04-15		2022-04-15		2022-04-15	
		Sample Type:		FD (Field Duplicate)		N (Normal)		N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.850	0.880	0.970	0.750		
	Chloroform	--	--	ND	ND	ND	ND		
	Dibromochloromethane	--	--	0.870	0.900	0.850	0.720		
	Total Trihalomethanes	80	MCL	1.70	1.80	1.80	1.50		