

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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: H3-ABEL0177		Location ID: H3-BOWE0191		Location ID: H3-CLAR0143		Location ID: H3-GREW0167		Location ID: H3-HALA0209
				Residence 177 Abelia Place		Residence 191 Bower Place		Residence 143 Clarey Place		Residence 167 Grewia Place		Residence 209 Halawa View Circle
				Field Sample ID:	H3-TW-0013958-22070-3-A	H3-TW-0013958-22070-A	H3-TW-0013967-22070-A	H3-TW-0013981-22070-3-A	H3-TW-0013981-22070-A	H3-TW-0014000-22070-3-A	H3-TW-0014000-22070-A	H3-TW-0013681-22070-A
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-24	2022-03-24	2022-03-22	2022-03-22	2022-03-22
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	30.0	420	590	590	400	400	610	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	210	230	250	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	87.1	72.6	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	87.1	72.6	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	5.90	5.60	5.40	6.70	6.50	6.30	6.30	6.60	
	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	4.50	4.40	12.4	8.00	9.20	4.40	4.90	9.20	
	Lead	15	MCL	ND	ND	0.180	ND	0.150	ND	ND	0.150	
	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	0.0190	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	

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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: H3-ABEL0177		Location ID: H3-BOWE0191		Location ID: H3-CLAR0143		Location ID: H3-GREW0167		Location ID: H3-HALA0209		
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	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 March 2022 from Residences in Zone H3**

<b>Notes:</b>
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	H3-ABEL0177		H3-BOWE0191	H3-CLAR0143		H3-GREW0167		H3-HALA0209
				Residence	Residence	Residence	Residence	Residence	Residence		
				177 Abelia Place		191 Bower Place	143 Clarey Place		167 Grewia Place		209 Halawa View Circle
				H3-TW-0013958-22070-3-A	H3-TW-0013958-22070-A	H3-TW-0013967-22070-A	H3-TW-0013981-22070-3-A	H3-TW-0013981-22070-A	H3-TW-0014000-22070-3-A	H3-TW-0014000-22070-A	H3-TW-0013681-22070-A
				2022-03-22	2022-03-22	2022-03-22	2022-03-24	2022-03-24	2022-03-22	2022-03-22	2022-03-22
				FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	1.00	ND	ND	1.50	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	1.00	ND	ND	1.50	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.510	ND	ND	0.680	0.650	ND
	Bromoform	--	--	1.50	1.60	4.30	1.70	2.70	9.60	8.70	2.30
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.00	1.10	2.20	1.10	1.60	3.70	3.40	1.30
	Total Trihalomethanes	80	MCL	2.60	2.70	6.90	2.80	4.30	14.0	12.7	3.60

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-HIBI0325	H3-JUST0191	H3-OCTO0142	H3-OLIV0116	H3-ORIG0126	H3-POIN0177	H3-POIN2009	H3-SASS1407
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	325 Hibiscus Street	191 Justicia Place	142 Octopus Lane	116 Olive Place	126 Orig Place	177 Poinciana Place	2009 Point Welcome Place	1407 Sassafras Drive
				Field Sample ID:	H3-TW-0013684-22070-A	H3-TW-0013723-22070-A	H3-TW-0013743-22070-A	H3-TW-0013760-22070-A	H3-TW-0013785-22070-A	H3-TW-0013795-22070-A	H3-TW-0013908-22070-A	H3-TW-0013943-22070-3-A
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22
				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	530	210	410	580	300	40.0	350	560	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	370	ND	ND	210	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	63.5	ND	ND	ND	ND	ND	59.7	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	211	ISP	63.5	ND	ND	ND	ND	ND	59.7	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.110	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	5.80	5.20	6.80	6.40	7.70	5.50	3.90	6.40	
	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	ND	ND	ND	ND	ND	ND	ND	ND	
	Copper	1300	MCL	5.80	8.00	4.40	1.60	3.00	12.8	12.4	3.20	
	Lead	15	MCL	ND	0.300	ND	0.180	ND	0.220	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	0.0510	ND	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.620	
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	

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-HIBI0325	H3-JUST0191	H3-OCTO0142	H3-OLIV0116	H3-ORIG0126	H3-POIN0177	H3-POIN2009	H3-SASS1407
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	325 Hibiscus Street	191 Justicia Place	142 Octopus Lane	116 Olive Place	126 Orig Place	177 Poinciana Place	2009 Point Welcome Place	1407 Sassafras Drive
				Field Sample ID:	H3-TW-0013684-22070-A	H3-TW-0013723-22070-A	H3-TW-0013743-22070-A	H3-TW-0013760-22070-A	H3-TW-0013785-22070-A	H3-TW-0013795-22070-A	H3-TW-0013908-22070-A	H3-TW-0013943-22070-3-A
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22
				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

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-HIBI0325	H3-JUST0191	H3-OCTO0142	H3-OLIV0116	H3-ORIG0126	H3-POIN0177	H3-POIN2009	H3-SASS1407	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	325 Hibiscus Street	191 Justicia Place	142 Octopus Lane	116 Olive Place	126 Orig Place	177 Poinciana Place	2009 Point Welcome Place	1407 Sassafras Drive	
		Field Sample ID:	H3-TW-0013684-22070-A	H3-TW-0013723-22070-A	H3-TW-0013743-22070-A	H3-TW-0013760-22070-A	H3-TW-0013785-22070-A	H3-TW-0013795-22070-A	H3-TW-0013908-22070-A	H3-TW-0013943-22070-3-A	
		Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	
		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-HIBI0325	H3-JUST0191	H3-OCTO0142	H3-OLIV0116	H3-ORIG0126	H3-POIN0177	H3-POIN2009	H3-SASS1407
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	7.00	ND	ND	ND	1.50	1.20	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	7.00	ND	ND	ND	1.50	1.20	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	1.80	1.00	ND
	Bromoform	--	--	1.80	1.50	1.80	1.30	1.10	18.9	5.50	1.40
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.20	0.780	1.20	0.920	0.820	8.20	3.20	1.10
	Total Trihalomethanes	80	MCL	3.10	2.30	3.00	2.20	1.90	28.8	9.70	2.50

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-SASS1407	H3-SASS1501	H3-SASS1509	H3-SHOW0154		H3-SHOW0178	H3-VALL0342	H3-VALL0457	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	1407 Sassafras Drive	1501 Sassafras Drive	1509 Sassafras Drive	154 Shower Place		178 Shower Place	342 Valley View Loop	457 Valley View Loop	
		Field Sample ID:	H3-TW-0013943-22070-A	H3-TW-0011923-22070-A	H3-TW-0013955-22070-A	H3-TW-0013803-22070-3-A	H3-TW-0013803-22070-A	H3-TW-0013807-22070-A	H3-TW-0013827-22070-A	H3-TW-0013844-22070-A	
		Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	560	560	340	660	660	190	530	340
Field Test (ppb)	Free Chlorine	4000	MCL	560	560	340	660	660	190	530	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	230	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	50.6	ND	59.5	66.8	60.7	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	51.0	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	50.6	ND	59.5	66.8	60.7	51.0	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.110	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	6.40	5.90	6.30	7.70	8.10	7.40	7.30	6.10
	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	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	3.00	6.30	2.20	1.20	1.30	3.00	2.10	4.80
	Lead	15	MCL	ND	ND	0.190	ND	ND	0.190	ND	1.90
	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

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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-SASS1407	H3-SASS1501	H3-SASS1509	H3-SHOW0154		H3-SHOW0178	H3-VALL0342	H3-VALL0457
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	1407 Sassafras Drive	1501 Sassafras Drive	1509 Sassafras Drive	154 Shower Place		178 Shower Place	342 Valley View Loop	457 Valley View Loop
		Field Sample ID:	H3-TW-0013943-22070-A	H3-TW-0011923-22070-A	H3-TW-0013955-22070-A	H3-TW-0013803-22070-3-A	H3-TW-0013803-22070-A	H3-TW-0013807-22070-A	H3-TW-0013827-22070-A	H3-TW-0013844-22070-A
		Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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



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

**Drinking Water Samples Collected in March 2022 from Residences in Zone H3**

<b>Notes:</b>
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:	H3-SASS1407	H3-SASS1501	H3-SASS1509	H3-SHOW0154		H3-SHOW0178	H3-VALL0342	H3-VALL0457
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	1407 Sassafras Drive	1501 Sassafras Drive	1509 Sassafras Drive	154 Shower Place		178 Shower Place	342 Valley View Loop	457 Valley View Loop
		Field Sample ID:	H3-TW-0013943-22070-A	H3-TW-0011923-22070-A	H3-TW-0013955-22070-A	H3-TW-0013803-22070-3-A	H3-TW-0013803-22070-A	H3-TW-0013807-22070-A	H3-TW-0013827-22070-A	H3-TW-0013844-22070-A
		Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-03-22
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	0.650	ND	ND	ND	ND
	Bromoform	--	--	1.80	2.80	4.50	0.950	0.900	1.40	1.70
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.20	1.60	2.00	0.730	0.750	0.860	1.10
	Total Trihalomethanes	80	MCL	3.00	4.90	7.10	1.70	1.70	2.20	2.70

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

**Drinking Water Samples Collected in March 2022 from Other Buildings in Zone H3**

<b>Notes:</b>
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

<b>Location ID:</b>	H3-BLDGAMR88
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	AMR 88, Construction Site
<b>Field Sample ID:</b>	H3-TW-0017692-22070-A
<b>Sample Date:</b>	2022-03-22
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	470
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	680
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	73.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	211	ISP	73.5
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	5.50
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	ND
	Copper	1300	MCL	11.9
	Lead	15	MCL	0.550
	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

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

**Drinking Water Samples Collected in March 2022 from Other Buildings in Zone H3**

<b>Notes:</b>
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

<b>Location ID:</b>	H3-BLDGAMR88
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	AMR 88, Construction Site
<b>Field Sample ID:</b>	H3-TW-0017692-22070-A
<b>Sample Date:</b>	2022-03-22
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND
	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene	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

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

**Drinking Water Samples Collected in March 2022 from Other Buildings in Zone H3**

<b>Notes:</b>
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

<b>Location ID:</b>	H3-BLDGAMR88
<b>Location Type:</b>	Non-Residence
<b>Address:</b>	AMR 88, Construction Site
<b>Field Sample ID:</b>	H3-TW-0017692-22070-A
<b>Sample Date:</b>	2022-03-22
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND
	Dichloroacetic acid	--	--	ND
	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	1.80
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	1.20
	Total Trihalomethanes	80	MCL	3.00

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

**Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone H3**

<b>Notes:</b>
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

		<b>Location ID:</b>	H3-HYD1641A	H3-HYD1651A	H3-HYD1676A	
		<b>Location Type:</b>	Hydrant	Hydrant	Hydrant	
		<b>Address:</b>	Hydrant 1641	Hydrant 1651	Hydrant 1676	
		<b>Field Sample ID:</b>	H3-DL-0017760-22070 -A	H3-DL-0017761-22070 -A	H3-DL-0017759-22070 -A	
		<b>Sample Date:</b>	2022-03-22	2022-03-22	2022-03-22	
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>			
Field Test (ppb)	Free Chlorine	4000	MCL	690	550	550
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	400	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	211	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	6.10	6.20	6.50
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	ND	ND	ND
	Copper	1300	MCL	1.30	12.7	1.70
	Lead	15	MCL	0.470	1.80	0.270
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND
	1,1-Dichloroethene	7	MCL	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 March 2022 from Fire Hydrants in Zone H3**

<b>Notes:</b>
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

		<b>Location ID:</b>	H3-HYD1641A	H3-HYD1651A	H3-HYD1676A	
		<b>Location Type:</b>	Hydrant	Hydrant	Hydrant	
		<b>Address:</b>	Hydrant 1641	Hydrant 1651	Hydrant 1676	
		<b>Field Sample ID:</b>	H3-DL-0017760-22070 -A	H3-DL-0017761-22070 -A	H3-DL-0017759-22070 -A	
		<b>Sample Date:</b>	2022-03-22	2022-03-22	2022-03-22	
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>			
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND

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

**Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone H3**

<b>Notes:</b>
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:	H3-HYD1641A	H3-HYD1651A	H3-HYD1676A	
		Location Type:	Hydrant	Hydrant	Hydrant	
		Address:	Hydrant 1641	Hydrant 1651	Hydrant 1676	
		Field Sample ID:	H3-DL-0017760-22070 -A	H3-DL-0017761-22070 -A	H3-DL-0017759-22070 -A	
		Sample Date:	2022-03-22	2022-03-22	2022-03-22	
		Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	1.40	1.60	1.70
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.940	1.10	1.20
	Total Trihalomethanes	80	MCL	2.30	2.70	2.90