

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

Drinking Water Samples collected in June-December 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
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-BITT1607	H3-BLAC1855	H3-CHUN0116	H3-CHUN0122	H3-HALA0110	H3-HALA0118	H3-HALA0143	H3-HALA0206
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1607 Bittersweet Place	1855 Blackthorn Loop	116 Chung-Hoon Place	122 Chung-Hoon Place	110 Halawa View Loop	118 Halawa View Loop	143 Halawa View Loop	206 Halawa View Circle
				Field Sample ID:	H3-TW-0013873-22160-A	H3-TW-0013890-22160-A	H3-TW-0013973-22160-A	H3-TW-0013975-22160-A	H3-TW-0014006-22160-A	H3-TW-0011943-22160-A	H3-TW-0014014-22160-A	H3-TW-0013680-22160-A
				Sample Date:	2022-10-27	2022-09-09	2022-08-03	2022-08-10	2022-07-06	2022-07-06	2022-07-07	2022-07-06
				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	320	350	510	400	620	510	640	580	
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	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	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	2.90	2.80	2.00	2.80	3.10	3.00	2.90	3.30	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.10	1.20	1.30	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	64.4	42.4	21.1	14.0	28.3	21.2	47.8	39.1	
	Lead	15	MCL	0.150	0.160	ND	0.780	0.330	0.260	0.150	0.520	
	Mercury	2	MCL	ND	0.0410	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.440	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	0.120	ND	ND	ND	0.0500	ND	0.0530	
	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 H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 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
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-BITT1607	H3-BLAC1855	H3-CHUN0116	H3-CHUN0122	H3-HALA0110	H3-HALA0118	H3-HALA0143	H3-HALA0206
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1607 Bittersweet Place	1855 Blackthorn Loop	116 Chung-Hoon Place	122 Chung-Hoon Place	110 Halawa View Loop	118 Halawa View Loop	143 Halawa View Loop	206 Halawa View Circle
				Field Sample ID:	H3-TW-0013873-22160-A	H3-TW-0013890-22160-A	H3-TW-0013973-22160-A	H3-TW-0013975-22160-A	H3-TW-0014006-22160-A	H3-TW-0011943-22160-A	H3-TW-0014014-22160-A	H3-TW-0013680-22160-A
				Sample Date:	2022-10-27	2022-09-09	2022-08-03	2022-08-10	2022-07-06	2022-07-06	2022-07-07	2022-07-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Drinking Water Samples collected in June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-BITT1607	H3-BLAC1855	H3-CHUN0116	H3-CHUN0122	H3-HALA0110	H3-HALA0118	H3-HALA0143	H3-HALA0206
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1607 Bittersweet Place	1855 Blackthorn Loop	116 Chung-Hoon Place	122 Chung-Hoon Place	110 Halawa View Loop	118 Halawa View Loop	143 Halawa View Loop	206 Halawa View Circle
		Field Sample ID:	H3-TW-0013873-22160-A	H3-TW-0013890-22160-A	H3-TW-0013973-22160-A	H3-TW-0013975-22160-A	H3-TW-0014006-22160-A	H3-TW-0011943-22160-A	H3-TW-0014014-22160-A	H3-TW-0013680-22160-A
		Sample Date:	2022-10-27	2022-09-09	2022-08-03	2022-08-10	2022-07-06	2022-07-06	2022-07-07	2022-07-06
		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	--	--	0.340	0.440	ND	0.290	ND	ND	ND
	Bromoform	--	--	0.860	2.40	ND	0.760	0.890	0.580	0.590
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.680	1.20	ND	0.670	0.630	0.550	ND
	Total Trihalomethanes	80	MCL	1.88	4.04	ND	1.72	1.52	1.13	0.590

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

Drinking Water Samples collected in June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-HIBI0391	H3-HIBI0610	H3-JASM0120	H3-JASM0144	H3-JASM0178	H3-JUST0175	H3-OCTO0140	H3-OCTO0156	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	391 Hibiscus Street	610 Hibiscus Street	120 Jasmine Place	144 Jasmine Place	178 Jasmine Place	175 Justicia Place	140 Octopus Lane	156 Octopus Lane	
		Field Sample ID:	H3-TW-0013691-22160-A	H3-TW-0013692-22160-A	H3-TW-0013699-22160-A	H3-TW-0013702-22160-A	H3-TW-0013709-22160-A	H3-TW-0013720-22160-A	H3-TW-0013741-22160-A	H3-TW-0013754-22160-A	
		Sample Date:	2022-10-28	2022-08-03	2022-08-08	2022-07-07	2022-07-06	2022-07-07	2022-07-07	2022-09-09	
		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	620	290	310	540	460	410	450	410
Field Test (ppb)	Free Chlorine	4000	MCL	620	290	310	540	460	410	450	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	101	60.5	ND	ND	ND	ND	ND	54.6
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	101	60.5	ND	ND	ND	ND	ND	54.6
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.90	3.00	3.00	3.30	3.40	3.10	2.90	2.60
	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	1.10	ND	ND	ND	ND	ND	ND	1.10
	Copper	1300	MCL	28.8	17.6	95.7	24.6	64.7	31.2	56.6	41.1
	Lead	15	MCL	0.530	0.240	0.460	0.370	0.370	0.300	0.370	0.260
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0250
	Selenium	50	MCL	ND	1.00	ND	ND	ND	0.320	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 June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-HIBI0391	H3-HIBI0610	H3-JASM0120	H3-JASM0144	H3-JASM0178	H3-JUST0175	H3-OCTO0140	H3-OCTO0156
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	391 Hibiscus Street	610 Hibiscus Street	120 Jasmine Place	144 Jasmine Place	178 Jasmine Place	175 Justicia Place	140 Octopus Lane	156 Octopus Lane
		Field Sample ID:	H3-TW-0013691-22160-A	H3-TW-0013692-22160-A	H3-TW-0013699-22160-A	H3-TW-0013702-22160-A	H3-TW-0013709-22160-A	H3-TW-0013720-22160-A	H3-TW-0013741-22160-A	H3-TW-0013754-22160-A
		Sample Date:	2022-10-28	2022-08-03	2022-08-08	2022-07-07	2022-07-06	2022-07-07	2022-07-07	2022-09-09
		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	1.20	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 June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-HIBI0391	H3-HIBI0610	H3-JASM0120	H3-JASM0144	H3-JASM0178	H3-JUST0175	H3-OCTO0140	H3-OCTO0156
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	391 Hibiscus Street	610 Hibiscus Street	120 Jasmine Place	144 Jasmine Place	178 Jasmine Place	175 Justicia Place	140 Octopus Lane	156 Octopus Lane
		Field Sample ID:	H3-TW-0013691-22160-A	H3-TW-0013692-22160-A	H3-TW-0013699-22160-A	H3-TW-0013702-22160-A	H3-TW-0013709-22160-A	H3-TW-0013720-22160-A	H3-TW-0013741-22160-A	H3-TW-0013754-22160-A
		Sample Date:	2022-10-28	2022-08-03	2022-08-08	2022-07-07	2022-07-06	2022-07-07	2022-07-07	2022-09-09
		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	1.20	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.360	ND	0.720	ND	1.50	0.660	ND
	Bromoform	--	--	1.20	1.40	3.10	2.00	9.70	2.60	0.580
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.970	1.10	2.20	1.20	5.40	2.00	0.550
	Total Trihalomethanes	80	MCL	2.53	2.50	6.02	3.20	16.6	5.26	1.13

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

Drinking Water Samples collected in June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-OCTO0160	H3-OCTO0164	H3-OLIV0117	H3-OLIV0129	H3-OLIV0141	H3-OLIV0148	H3-OLIV0156	H3-ORIG0129	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	160 Octopus Lane	164 Octopus Lane	117 Olive Place	129 Olive Place	141 Olive Place	148 Olive Place	156 Olive Place	129 Orig Place	
		Field Sample ID:	H3-TW-0013756-22160-A	H3-TW-0011909-22160-A	H3-TW-0013761-22160-A	H3-TW-0013765-22160-A	H3-TW-0013770-22160-A	H3-TW-0013772-22160-A	H3-TW-0013775-22160-A	H3-TW-0013787-22160-A	
		Sample Date:	2022-09-09	2022-09-09	2022-08-10	2022-10-28	2022-08-08	2022-09-09	2022-08-08	2022-07-06	
		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	440	370	240	430	640	510	410	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	50.7	ND	ND	ND	ND	52.2	ND	61.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	50.7	ND	ND	ND	ND	52.2	ND	61.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.70	2.60	2.80	2.60	2.70	2.80	2.80	2.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.00	1.10	ND	1.10	ND	1.50	ND	ND
	Copper	1300	MCL	29.2	23.5	8.40	6.40	13.3	175	4.00	17.8
	Lead	15	MCL	0.220	0.400	0.740	0.590	0.880	7.90	0.730	0.370
	Mercury	2	MCL	0.0350	0.0310	0.0460	ND	ND	0.0450	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 June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-OCTO0160	H3-OCTO0164	H3-OLIV0117	H3-OLIV0129	H3-OLIV0141	H3-OLIV0148	H3-OLIV0156	H3-ORIG0129
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	160 Octopus Lane	164 Octopus Lane	117 Olive Place	129 Olive Place	141 Olive Place	148 Olive Place	156 Olive Place	129 Orig Place
		Field Sample ID:	H3-TW-0013756-22160-A	H3-TW-0011909-22160-A	H3-TW-0013761-22160-A	H3-TW-0013765-22160-A	H3-TW-0013770-22160-A	H3-TW-0013772-22160-A	H3-TW-0013775-22160-A	H3-TW-0013787-22160-A
		Sample Date:	2022-09-09	2022-09-09	2022-08-10	2022-10-28	2022-08-08	2022-09-09	2022-08-08	2022-07-06
		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	0.530
	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	0.900	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 June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-OCTO0160	H3-OCTO0164	H3-OLIV0117	H3-OLIV0129	H3-OLIV0141	H3-OLIV0148	H3-OLIV0156	H3-ORIG0129
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	160 Octopus Lane	164 Octopus Lane	117 Olive Place	129 Olive Place	141 Olive Place	148 Olive Place	156 Olive Place	129 Orig Place
		Field Sample ID:	H3-TW-0013756-22160-A	H3-TW-0011909-22160-A	H3-TW-0013761-22160-A	H3-TW-0013765-22160-A	H3-TW-0013770-22160-A	H3-TW-0013772-22160-A	H3-TW-0013775-22160-A	H3-TW-0013787-22160-A
		Sample Date:	2022-09-09	2022-09-09	2022-08-10	2022-10-28	2022-08-08	2022-09-09	2022-08-08	2022-07-06
		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	0.900	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.380	ND	0.310	0.290	ND	ND
	Bromoform	--	--	1.40	2.50	0.840	0.980	1.00	0.640	0.620
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.830	1.40	0.630	0.850	0.670	0.430	0.520
	Total Trihalomethanes	80	MCL	2.23	4.28	1.47	2.14	1.96	1.07	1.14

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

Drinking Water Samples collected in June-December 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
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-ORIG0132	H3-POIN2003	H3-POIN2006	H3-POIN2013	H3-POIN2020		H3-POIN2118	H3-SASS1411
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	132 Orig Place	2003 Point Welcome Place	2006 Point Welcome Place	2013 Point Welcome Place	2020 Point Welcome Place		2118 Point Welcome Place	1411 Sassafras Drive
				Field Sample ID:	H3-TW-0013789-22160-A	H3-TW-0013903-22160-A	H3-TW-0013905-22160-A	H3-TW-0013910-22160-A	H3-TW-0013916-22160-3-A	H3-TW-0013916-22160-A	H3-TW-0013934-22160-A	H3-TW-0013946-22160-A
				Sample Date:	2022-09-09	2022-09-14	2022-09-09	2022-08-09	2022-10-28	2022-10-28	2022-07-07	2022-08-10
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	480	270	280	400	60.0	60.0	510	380	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	50.7	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	50.7	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	2.70	3.20	3.40	3.50	4.40	3.90	3.00	3.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.40	1.40	1.30	ND	1.40	1.20	ND	ND	
	Copper	1300	MCL	28.5	68.0	36.6	66.3	77.0	69.8	25.2	15.8	
	Lead	15	MCL	0.160	ND	ND	0.370	0.220	ND	0.300	ND	
	Mercury	2	MCL	0.0340	ND	0.0470	ND	ND	ND	ND	0.0420	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	0.350	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	

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

Drinking Water Samples collected in June-December 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
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-ORIG0132	H3-POIN2003	H3-POIN2006	H3-POIN2013	H3-POIN2020		H3-POIN2118	H3-SASS1411
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	132 Orig Place	2003 Point Welcome Place	2006 Point Welcome Place	2013 Point Welcome Place	2020 Point Welcome Place		2118 Point Welcome Place	1411 Sassafras Drive
				Field Sample ID:	H3-TW-0013789-22160-A	H3-TW-0013903-22160-A	H3-TW-0013905-22160-A	H3-TW-0013910-22160-A	H3-TW-0013916-22160-3-A	H3-TW-0013916-22160-A	H3-TW-0013934-22160-A	H3-TW-0013946-22160-A
				Sample Date:	2022-09-09	2022-09-14	2022-09-09	2022-08-09	2022-10-28	2022-10-28	2022-07-07	2022-08-10
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Drinking Water Samples collected in June-December 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
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-ORIG0132	H3-POIN2003	H3-POIN2006	H3-POIN2013	H3-POIN2020		H3-POIN2118	H3-SASS1411
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	132 Orig Place	2003 Point Welcome Place	2006 Point Welcome Place	2013 Point Welcome Place	2020 Point Welcome Place		2118 Point Welcome Place	1411 Sassafras Drive
				Field Sample ID:	H3-TW-0013789-22160-A	H3-TW-0013903-22160-A	H3-TW-0013905-22160-A	H3-TW-0013910-22160-A	H3-TW-0013916-22160-3-A	H3-TW-0013916-22160-A	H3-TW-0013934-22160-A	H3-TW-0013946-22160-A
				Sample Date:	2022-09-09	2022-09-14	2022-09-09	2022-08-09	2022-10-28	2022-10-28	2022-07-07	2022-08-10
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	0.610	0.710	ND	0.990	0.920	ND	1.00	
	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	0.610	0.710	ND	0.990	0.920	ND	1.00	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.530	0.540	1.10	0.820	0.680	ND	0.370	
	Bromoform	--	--	0.440	1.30	2.40	4.00	4.40	3.60	0.730	0.970	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.400	1.20	1.80	3.20	2.70	2.30	0.520	0.880	
	Total Trihalomethanes	80	MCL	0.840	3.03	4.74	8.30	7.92	6.58	1.25	2.22	

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

Drinking Water Samples collected in June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-SASS1413	H3-SHOW0160	H3-SHOW0193	H3-VALL0463		H3-VALL0565	H3-VALL0575	H3-VALL0589	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	1413 Sassafras Drive	160 Shower Place	193 Shower Place	463 Valley View Loop		565 Valley View Loop	575 Valley View Loop	589 Valley View Loop	
		Field Sample ID:	H3-TW-0013947-22160-A	H3-TW-0013805-22160-A	H3-TW-0013813-22160-A	H3-TW-0013847-22160-3-A	H3-TW-0013847-22160-A	H3-TW-0013861-22160-A	H3-TW-0013864-22160-A	H3-TW-0013867-22160-A	
		Sample Date:	2022-09-09	2022-10-28	2022-08-08	2022-09-09	2022-09-09	2022-09-12	2022-08-02	2022-07-06	
		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	320	470	680	550	550	270	750	760
Field Test (ppb)	Free Chlorine	4000	MCL	320	470	680	550	550	270	750	760
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	55.6	ND	ND	68.4	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	55.6	ND	ND	68.4	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	2.70	2.60	2.80	2.80	2.80	2.60	2.80	3.20
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.20	1.10	ND	1.10	1.40	1.40	ND	ND
	Copper	1300	MCL	49.8	18.0	7.70	4.40	3.50	14.6	24.9	7.40
	Lead	15	MCL	0.150	1.40	0.630	1.30	0.530	0.760	1.30	0.470
	Mercury	2	MCL	0.0470	ND	ND	0.0370	0.0390	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	0.470	0.480
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 June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-SASS1413	H3-SHOW0160	H3-SHOW0193	H3-VALL0463		H3-VALL0565	H3-VALL0575	H3-VALL0589
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	1413 Sassafras Drive	160 Shower Place	193 Shower Place	463 Valley View Loop		565 Valley View Loop	575 Valley View Loop	589 Valley View Loop
		Field Sample ID:	H3-TW-0013947-22160-A	H3-TW-0013805-22160-A	H3-TW-0013813-22160-A	H3-TW-0013847-22160-3-A	H3-TW-0013847-22160-A	H3-TW-0013861-22160-A	H3-TW-0013864-22160-A	H3-TW-0013867-22160-A
		Sample Date:	2022-09-09	2022-10-28	2022-08-08	2022-09-09	2022-09-09	2022-09-12	2022-08-02	2022-07-06
		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 (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 H3 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 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
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-SASS1413	H3-SHOW0160	H3-SHOW0193	H3-VALL0463		H3-VALL0565	H3-VALL0575	H3-VALL0589
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	1413 Sassafras Drive	160 Shower Place	193 Shower Place	463 Valley View Loop		565 Valley View Loop	575 Valley View Loop	589 Valley View Loop
		Field Sample ID:	H3-TW-0013947-22160-A	H3-TW-0013805-22160-A	H3-TW-0013813-22160-A	H3-TW-0013847-22160-3-A	H3-TW-0013847-22160-A	H3-TW-0013861-22160-A	H3-TW-0013864-22160-A	H3-TW-0013867-22160-A
		Sample Date:	2022-09-09	2022-10-28	2022-08-08	2022-09-09	2022-09-09	2022-09-12	2022-08-02	2022-07-06
		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	ND	ND	ND	ND	ND
	Bromoform	--	--	0.750	0.610	0.720	0.640	0.550	0.640	0.580
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.630	0.510	0.660	0.480	0.460	0.480	0.520
	Total Trihalomethanes	80	MCL	1.38	1.12	1.38	1.12	1.01	1.12	0.540

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

Drinking Water Samples collected in June-December 2022 from Fire Hydrants 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
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-0017760-22160-3-A	H3-DL-0017760-22160-A	H3-DL-0017761-22160-A	H3-DL-0017759-22160-A		
		Sample Date:		2022-08-08	2022-08-08	2022-08-08	2022-08-08		
		Sample Type:		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	750	750	620	540		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND		
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.3	64.0	60.6	61.1		
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND		
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND		
	Petroleum Hydrocarbons, Total	266	ISP	53.3	64.0	60.6	61.1		
Metals (ppb)	Antimony	6	MCL	0.130	ND	0.150	ND		
	Arsenic	10	MCL	ND	ND	ND	ND		
	Barium	2000	MCL	2.90	2.90	2.90	2.70		
	Beryllium	4	MCL	ND	ND	ND	ND		
	Cadmium	5	MCL	ND	ND	ND	ND		
	Chromium	100	MCL	ND	ND	ND	ND		
	Mercury	2	MCL	ND	ND	ND	ND		
	Selenium	50	MCL	0.330	ND	ND	ND		
	Thallium	2	MCL	ND	ND	ND	ND		
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND		
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND		
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND		
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND		
	Naphthalene	17	EAL	ND	ND	ND	ND		
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND		
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND		
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND		
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND		
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND		

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

Drinking Water Samples collected in June-December 2022 from Fire Hydrants 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
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-0017760-22160-3-A	H3-DL-0017760-22160-A	H3-DL-0017761-22160-A	H3-DL-0017759-22160-A
		Sample Date:	2022-08-08	2022-08-08	2022-08-08	2022-08-08
		Sample Type:	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-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
Chloroacetic acid		--	--	ND	ND	ND
Dibromoacetic acid		--	--	0.530	0.520	ND
Dichloroacetic acid		--	--	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND
Total Haloacetic acids		60	MCL	0.530	0.520	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 June-December 2022 from Fire Hydrants 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
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-0017760-22160-3-A	H3-DL-0017760-22160-A	H3-DL-0017761-22160-A	H3-DL-0017759-22160-A		
		Sample Date:		2022-08-08		2022-08-08		2022-08-08	
		Sample Type:		FD (Field Duplicate)		N (Normal)		N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.380	0.390	0.450	0.410		
	Bromoform	--	--	1.10	0.990	1.10	1.00		
	Chloroform	--	--	ND	ND	ND	ND		
	Dibromochloromethane	--	--	0.990	1.10	0.980	0.950		
	Total Trihalomethanes	80	MCL	2.47	2.48	2.53	2.36		