

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-ASHE4013	F1-ASHE4021	F1-ASHE4027	F1-BENN5514	F1-BENN5550	F1-BENN5561	F1-BENN5562	F1-BENN5582	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4013 Asher Court	4021 Asher Court	4027 Asher Court	5514 Bennion Drive	5550 Bennion Drive	5561 Bennion Drive	5562 Bennion Drive	5582 Bennion Drive	
		Field Sample ID:	F1-TW-0008951-23155-N	F1-TW-0008955-23155-N	F1-TW-0008958-23155-N	F1-TW-0008971-23155-N-T	F1-TW-0008596-23155-N	F1-TW-0008603-23155-N	F1-TW-0000310-23155-N	F1-TW-0008690-23155-N	
		Sample Date:	2023-08-25	2023-09-01	2023-07-24	2023-08-25	2023-08-25	2023-08-11	2023-10-13	2023-07-24	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	590	580	350	570	700	480	450	40.0
Field Test (ppb)	Free Chlorine	4000	MCL	590	580	350	570	700	480	450	40.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.9	56.6	68.9	70.0	85.9	64.3	ND	73.9
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	51.9	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.9	56.6	121	70.0	85.9	64.3	ND	73.9
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.530	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	2.00	1.80	1.80	1.80	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.950	ND	0.810	0.890	0.950	0.770	0.790	0.780
	Copper	1300	MCL	23.6	18.7	60.0	58.0	27.1	26.4	43.4	60.2
	Lead	15	MCL	0.500	0.200	6.00	0.290	ND	0.220	ND	1.90
	Mercury	2	MCL	ND	ND	0.0270	ND	ND	ND	ND	0.0310
	Selenium	50	MCL	1.50	2.00	2.10	1.40	1.50	2.10	1.40	1.20
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	0.780	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-ASHE4013	F1-ASHE4021	F1-ASHE4027	F1-BENN5514	F1-BENN5550	F1-BENN5561	F1-BENN5562	F1-BENN5582
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4013 Asher Court	4021 Asher Court	4027 Asher Court	5514 Bennion Drive	5550 Bennion Drive	5561 Bennion Drive	5562 Bennion Drive	5582 Bennion Drive
		Field Sample ID:	F1-TW-0008951-23155-N	F1-TW-0008955-23155-N	F1-TW-0008958-23155-N	F1-TW-0008971-23155-N-T	F1-TW-0008596-23155-N	F1-TW-0008603-23155-N	F1-TW-0000310-23155-N	F1-TW-0008690-23155-N
		Sample Date:	2023-08-25	2023-09-01	2023-07-24	2023-08-25	2023-08-25	2023-08-11	2023-10-13	2023-07-24
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-ASHE4013	F1-ASHE4021	F1-ASHE4027	F1-BENN5514	F1-BENN5550	F1-BENN5561	F1-BENN5562	F1-BENN5582
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4013 Asher Court	4021 Asher Court	4027 Asher Court	5514 Bennion Drive	5550 Bennion Drive	5561 Bennion Drive	5562 Bennion Drive	5582 Bennion Drive
		Field Sample ID:	F1-TW-0008951-23155-N	F1-TW-0008955-23155-N	F1-TW-0008958-23155-N	F1-TW-0008971-23155-N-T	F1-TW-0008596-23155-N	F1-TW-0008603-23155-N	F1-TW-0000310-23155-N	F1-TW-0008690-23155-N
		Sample Date:	2023-08-25	2023-09-01	2023-07-24	2023-08-25	2023-08-25	2023-08-11	2023-10-13	2023-07-24
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.390	0.300	1.20	0.260	ND	0.470	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.340	ND	ND	0.300	ND
	Total Trihalomethanes	80	MCL	0.390	0.300	1.54	0.260	ND	0.770	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-BENN5611	F1-BENN5633	F1-CAKO4520	F1-CAKO4523	F1-CLAR4410	F1-CLAR4418	F1-CLAR4420	F1-FLAH4329	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5611 Bennion Court	5633 Bennion Court	4520 Cakon Place	4523 Cakon Place	4410 Clarey Boulevard	4418 Clarey Boulevard	4420 Clarey Boulevard	4329 Flaherty Circle	
		Field Sample ID:	F1-TW-0008705-23155-N	F1-TW-0008721-23155-N	F1-TW-0009167-23155-N	F1-TW-0009170-23155-N	F1-TW-0009181-23155-N	F1-TW-0009188-23155-N	F1-TW-0009190-23155-N	F1-TW-0009202-23155-N	
		Sample Date:	2023-08-09	2023-07-24	2023-10-11	2023-10-27	2023-10-11	2023-07-24	2023-07-24	2023-07-24	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	450	530	420	220	240	400	390	20.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	105	ND	ND	60.8	ND	ND	52.1	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	105	ND	ND	60.8	ND	ND	52.1	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.510	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	2.00	1.90	1.90	2.00	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.660	0.750	ND	ND	ND	0.690	0.720	0.820
	Copper	1300	MCL	47.0	35.3	58.0	47.1	74.0	57.7	35.7	72.6
	Lead	15	MCL	0.240	0.420	ND	ND	ND	ND	0.160	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0320	0.0300
	Selenium	50	MCL	2.10	2.00	1.80	2.20	1.20	1.90	1.70	1.40
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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-BENN5611	F1-BENN5633	F1-CAKO4520	F1-CAKO4523	F1-CLAR4410	F1-CLAR4418	F1-CLAR4420	F1-FLAH4329
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5611 Bennion Court	5633 Bennion Court	4520 Cakon Place	4523 Cakon Place	4410 Clarey Boulevard	4418 Clarey Boulevard	4420 Clarey Boulevard	4329 Flaherty Circle
		Field Sample ID:	F1-TW-0008705-23155-N	F1-TW-0008721-23155-N	F1-TW-0009167-23155-N	F1-TW-0009170-23155-N	F1-TW-0009181-23155-N	F1-TW-0009188-23155-N	F1-TW-0009190-23155-N	F1-TW-0009202-23155-N
		Sample Date:	2023-08-09	2023-07-24	2023-10-11	2023-10-27	2023-10-11	2023-07-24	2023-07-24	2023-07-24
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-BENN5611	F1-BENN5633	F1-CAKO4520	F1-CAKO4523	F1-CLAR4410	F1-CLAR4418	F1-CLAR4420	F1-FLAH4329
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5611 Bennion Court	5633 Bennion Court	4520 Cakon Place	4523 Cakon Place	4410 Clarey Boulevard	4418 Clarey Boulevard	4420 Clarey Boulevard	4329 Flaherty Circle
		Field Sample ID:	F1-TW-0008705-23155-N	F1-TW-0008721-23155-N	F1-TW-0009167-23155-N	F1-TW-0009170-23155-N	F1-TW-0009181-23155-N	F1-TW-0009188-23155-N	F1-TW-0009190-23155-N	F1-TW-0009202-23155-N
		Sample Date:	2023-08-09	2023-07-24	2023-10-11	2023-10-27	2023-10-11	2023-07-24	2023-07-24	2023-07-24
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	0.290	0.290	ND	ND	1.20
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.260	ND	ND	ND	0.450
	Total Trihalomethanes	80	MCL	ND	ND	0.550	0.290	ND	ND	1.65

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-FLAH4338	F1-FUQU5201	F1-FUQU5218	F1-FUQU5220	F1-FUQU5306	F1-FUQU5307	F1-FUQU5310		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	4338 Flaherty Circle	5201 Fuqua Lane	5218 Fuqua Lane	5220 Fuqua Lane	5306 Fuqua Street	5307 Fuqua Street	5310 Fuqua Street		
		Field Sample ID:	F1-TW-0009209-23155-N	F1-TW-0009213-23155-N	F1-TW-0000295-23155-N	F1-TW-0008750-23155-N	F1-TW-0008760-23155-N	F1-TW-0008761-23155-N	F1-TW-0008762-23155-N	F1-TW-0008762-23155-3-N	
		Sample Date:	2023-09-01	2023-10-09	2023-08-30	2023-08-30	2023-10-26	2023-09-01	2023-09-11	2023-09-11	
		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	410	470	160	810	760	290	440	440
Field Test (ppb)	Free Chlorine	4000	MCL	410	470	160	810	760	290	440	440
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	78.6	55.7	54.8	ND	ND	68.0	60.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	52.3	51.4	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	78.6	108	106	ND	ND	68.0	60.8
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.540	0.710	ND	ND	ND	0.520	ND	ND
	Barium	2000	MCL	2.00	1.90	1.90	1.90	2.00	2.00	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.910	ND	ND	0.590	ND	ND	ND
	Copper	1300	MCL	53.6	37.5	70.7	50.1	17.6	34.8	74.9	46.5
	Lead	15	MCL	0.160	ND	ND	ND	0.260	0.330	1.00	0.260
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.90	1.40	0.980	0.790	1.70	1.80	2.20	2.20
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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-FLAH4338	F1-FUQU5201	F1-FUQU5218	F1-FUQU5220	F1-FUQU5306	F1-FUQU5307	F1-FUQU5310	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4338 Flaherty Circle	5201 Fuqua Lane	5218 Fuqua Lane	5220 Fuqua Lane	5306 Fuqua Street	5307 Fuqua Street	5310 Fuqua Street	
		Field Sample ID:	F1-TW-0009209-23155-N	F1-TW-0009213-23155-N	F1-TW-0000295-23155-N	F1-TW-0008750-23155-N	F1-TW-0008760-23155-N	F1-TW-0008761-23155-N	F1-TW-0008762-23155-N	F1-TW-0008762-23155-3-N
		Sample Date:	2023-09-01	2023-10-09	2023-08-30	2023-08-30	2023-10-26	2023-09-01	2023-09-11	2023-09-11
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-FLAH4338	F1-FUQU5201	F1-FUQU5218	F1-FUQU5220	F1-FUQU5306	F1-FUQU5307	F1-FUQU5310	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4338 Flaherty Circle	5201 Fuqua Lane	5218 Fuqua Lane	5220 Fuqua Lane	5306 Fuqua Street	5307 Fuqua Street	5310 Fuqua Street	
		Field Sample ID:	F1-TW-0009209-23155-N	F1-TW-0009213-23155-N	F1-TW-0000295-23155-N	F1-TW-0008750-23155-N	F1-TW-0008760-23155-N	F1-TW-0008761-23155-N	F1-TW-0008762-23155-N	F1-TW-0008762-23155-3-N
		Sample Date:	2023-09-01	2023-10-09	2023-08-30	2023-08-30	2023-10-26	2023-09-01	2023-09-11	2023-09-11
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.410	ND	0.300	0.290	0.300	0.310	0.300
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.350	ND	0.270	ND	0.270	ND	ND
	Total Trihalomethanes	80	MCL	0.760	ND	0.570	0.290	0.570	0.310	0.300

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-FUQU5311	F1-JONE4804	F1-JONE4813	F1-KIDD4901	F1-KIDD4925	F1-KIDD4933			
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence			
		Address:	5311 Fuqua Street	4804 Jones Court	4813 Jones Court	4901 Kidd Court	4925 Kidd Court	4933 Kidd Court			
		Field Sample ID:	F1-TW-0008763-23155-N	F1-TW-0008776-23155-N	F1-TW-0008783-23155-N	F1-TW-0008789-23155-N	F1-TW-0008803-23155-N	F1-TW-0008807-23155-N	F1-TW-0008807-23155-N-R1	F1-TW-0008807-23155-N-1	
		Sample Date:	2023-09-11	2023-08-08	2023-07-24	2023-09-01	2023-10-11	2023-08-28	2023-09-06	2023-09-06	
		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	500	480	260	480	560	850	150-570	150-570
Field Test (ppb)	Free Chlorine	4000	MCL	500	480	260	480	560	850	150-570	150-570
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	--	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	52.3	73.7	ND	55.0	ND	93.6	--	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	--	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	59.1	ND	ND	--	--
	Petroleum Hydrocarbons, Total	266	ISP	52.3	73.7	ND	114	ND	93.6	--	--
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.510	ND	ND	0.920	0.940
	Barium	2000	MCL	2.00	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.900	0.690	ND	ND	0.660	ND	0.570
	Copper	1300	MCL	72.0	69.0	51.1	27.8	31.5	56.0	20.8	33.5
	Lead	15	MCL	ND	ND	0.420	ND	ND	16.6 §	0.230	2.70
	Mercury	2	MCL	ND	ND	0.0280	ND	ND	ND	--	--
	Selenium	50	MCL	2.10	1.80	2.10	1.90	1.40	1.50	2.20	2.20
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	--	--
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	--	--
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	--	--
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	--	--
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	--	--
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	--	--
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	--	--

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:		
				F1-FUQU5311	F1-JONE4804	F1-JONE4813	F1-KIDD4901	F1-KIDD4925	F1-KIDD4933		
				Residence	Residence	Residence	Residence	Residence	Residence		
				Address:	Address:	Address:	Address:	Address:	Address:		
				5311 Fuqua Street	4804 Jones Court	4813 Jones Court	4901 Kidd Court	4925 Kidd Court	4933 Kidd Court		
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				F1-TW-0008763-23155-N	F1-TW-0008776-23155-N	F1-TW-0008783-23155-N	F1-TW-0008789-23155-N	F1-TW-0008803-23155-N	F1-TW-0008807-23155-N	F1-TW-0008807-23155-N-R1	F1-TW-0008807-23155-N-1
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2023-09-11	2023-08-08	2023-07-24	2023-09-01	2023-10-11	2023-08-28	2023-09-06	2023-09-06
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	--	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	--	--
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	--	--
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	--	--
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	--	--
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	--	--
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	--	--
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	--	--
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	--	--
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	--	--
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	--	--
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	--	--	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	--	--
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	--	--
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	--	--
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	--	--

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-FUQU5311	F1-JONE4804	F1-JONE4813	F1-KIDD4901	F1-KIDD4925	F1-KIDD4933			
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence			
		Address:	5311 Fuqua Street	4804 Jones Court	4813 Jones Court	4901 Kidd Court	4925 Kidd Court	4933 Kidd Court			
		Field Sample ID:	F1-TW-0008763-23155-N	F1-TW-0008776-23155-N	F1-TW-0008783-23155-N	F1-TW-0008789-23155-N	F1-TW-0008803-23155-N	F1-TW-0008807-23155-N	F1-TW-0008807-23155-N-R1	F1-TW-0008807-23155-N-1	
		Sample Date:	2023-09-11	2023-08-08	2023-07-24	2023-09-01	2023-10-11	2023-08-28	2023-09-06	2023-09-06	
		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	--	--
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	--	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	--	--
	Bromoform	--	--	0.310	0.340	ND	ND	0.260	ND	--	--
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	--	--
	Dibromochloromethane	--	--	ND	0.290	ND	ND	ND	ND	--	--
	Total Trihalomethanes	80	MCL	0.310	0.630	ND	ND	0.260	ND	--	--

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:		F1-KIDD4933		F1-KIDD5006	F1-KIDD5008	F1-KIDD5009	F1-MCMO5402	F1-MCMO5406	F1-MCMO5417
		Location Type:		Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:		4933 Kidd Court		5006 Kidd Street	5008 Kidd Street	5009 Kidd Street	5402 McMorris Drive	5406 McMorris Drive	5417 McMorris Drive
		Field Sample ID:		F1-TW-0008807-23155-N-2	F1-TW-0008807-23155-N-3	F1-TW-0008812-23155-N	F1-TW-0008814-23155-N	F1-TW-0008815-23155-N	F1-TW-0008834-23155-N	F1-TW-0008836-23155-N	F1-TW-0008846-23155-N
		Sample Date:		2023-09-06	2023-09-06	2023-07-24	2023-10-11	2023-10-27	2023-08-25	2023-10-09	2023-08-25
		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	150-570	150-570	530	720	870	510	660	380
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	--	--	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	--	--	64.3	ND	85.6	ND	66.8	63.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	--	--	51.1	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	--	--	115	ND	85.6	ND	66.8	63.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	1.00	0.940	ND	ND	ND	ND	0.670	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.90	1.90	1.80	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.600	0.590	0.720	ND	ND	0.960	0.860	0.970
	Copper	1300	MCL	39.2	38.6	62.1	31.8	18.6	38.5	23.6	49.0
	Lead	15	MCL	ND	0.630	0.130	0.140	0.300	ND	ND	ND
	Mercury	2	MCL	--	--	0.0320	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.40	2.00	2.00	1.80	2.10	1.50	1.40	1.60
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
	2-Methylnaphthalene	10	EAL	--	--	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	--	--	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	--	--	ND	ND	ND	1.30	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	--	--	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	--	--	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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: F1-KIDD4933		F1-KIDD5006	F1-KIDD5008	F1-KIDD5009	F1-MCMO5402	F1-MCMO5406	F1-MCMO5417
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 4933 Kidd Court		5006 Kidd Street	5008 Kidd Street	5009 Kidd Street	5402 McMorris Drive	5406 McMorris Drive	5417 McMorris Drive
				Field Sample ID: F1-TW-0008807-23155-N-2	F1-TW-0008807-23155-N-3	F1-TW-0008812-23155-N	F1-TW-0008814-23155-N	F1-TW-0008815-23155-N	F1-TW-0008834-23155-N	F1-TW-0008836-23155-N	F1-TW-0008846-23155-N
				Sample Date: 2023-09-06	2023-09-06	2023-07-24	2023-10-11	2023-10-27	2023-08-25	2023-10-09	2023-08-25
				Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	--	--	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	--	--	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	--	--	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	--	--	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	--	--	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	--	--	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	--	--	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	--	--	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	--	--	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	--	--	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	--	--	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	--	--	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	--	--	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	--	--	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	--	--	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-KIDD4933	F1-KIDD5006	F1-KIDD5008	F1-KIDD5009	F1-MCMO5402	F1-MCMO5406	F1-MCMO5417	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
		Address:	4933 Kidd Court		5006 Kidd Street	5008 Kidd Street	5009 Kidd Street	5402 McMorris Drive	5406 McMorris Drive	5417 McMorris Drive
		Field Sample ID:	F1-TW-0008807-23155-N-2	F1-TW-0008807-23155-N-3	F1-TW-0008812-23155-N	F1-TW-0008814-23155-N	F1-TW-0008815-23155-N	F1-TW-0008834-23155-N	F1-TW-0008836-23155-N	F1-TW-0008846-23155-N
		Sample Date:	2023-09-06	2023-09-06	2023-07-24	2023-10-11	2023-10-27	2023-08-25	2023-10-09	2023-08-25
		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
	Total Haloacetic acids	60	MCL	--	--	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	--	--	ND	0.260	0.700	ND	ND
	Chloroform	--	--	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	--	--	ND	0.260	0.460	ND	ND
	Total Trihalomethanes	80	MCL	--	--	ND	0.520	1.16	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MCMO5417	F1-MCMO5421	F1-MCMO5433	F1-MCMO5465	F1-MCMO5481	F1-MORE3007	F1-MORE3019	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	5417 McMorris Drive	5421 McMorris Drive	5433 McMorris Drive	5465 McMorris Drive	5481 McMorris Drive	3007 Moreell Circle	3019 Moreell Circle	
				Field Sample ID:	F1-TW-0008846-23155-3-N	F1-TW-0008849-23155-N	F1-TW-0008856-23155-N	F1-TW-0008873-23155-N	F1-TW-0008976-23155-N	F1-TW-0008983-23155-N	F1-TW-0008989-23155-N	F1-TW-0008989-23155-3-N
				Sample Date:	2023-08-25	2023-08-28	2023-09-01	2023-10-26	2023-08-08	2023-08-28	2023-10-11	2023-10-11
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Field Test (ppb)	Free Chlorine	4000	MCL	380	450	570	400	490	590	390	390	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	68.2	ND	ND	72.4	59.0	88.0	65.3	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	68.2	ND	ND	72.4	59.0	88.0	65.3	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	0.570	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	2.00	1.90	1.80	1.90	1.90	1.90	1.90
	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	1.00	0.640	ND	0.530	0.760	0.650	ND	ND	ND
	Copper	1300	MCL	40.9	35.1	53.2	24.9	90.9	39.4	36.9	35.6	
	Lead	15	MCL	ND	0.620	0.250	0.160	ND	0.200	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.50	1.70	1.90	1.70	1.90	1.60	1.40	1.70	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MCMO5417	F1-MCMO5421	F1-MCMO5433	F1-MCMO5465	F1-MCMO5481	F1-MORE3007	F1-MORE3019	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	5417 McMorris Drive	5421 McMorris Drive	5433 McMorris Drive	5465 McMorris Drive	5481 McMorris Drive	3007 Moreell Circle	3019 Moreell Circle	
				Field Sample ID:	F1-TW-0008846-23155-3-N	F1-TW-0008849-23155-N	F1-TW-0008856-23155-N	F1-TW-0008873-23155-N	F1-TW-0008976-23155-N	F1-TW-0008983-23155-N	F1-TW-0008989-23155-N	F1-TW-0008989-23155-3-N
				Sample Date:	2023-08-25	2023-08-28	2023-09-01	2023-10-26	2023-08-08	2023-08-28	2023-10-11	2023-10-11
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MCMO5417	F1-MCMO5421	F1-MCMO5433	F1-MCMO5465	F1-MCMO5481	F1-MORE3007	F1-MORE3019	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	5417 McMorris Drive	5421 McMorris Drive	5433 McMorris Drive	5465 McMorris Drive	5481 McMorris Drive	3007 Moreell Circle	3019 Moreell Circle	
				Field Sample ID:	F1-TW-0008846-23155-3-N	F1-TW-0008849-23155-N	F1-TW-0008856-23155-N	F1-TW-0008873-23155-N	F1-TW-0008976-23155-N	F1-TW-0008983-23155-N	F1-TW-0008989-23155-N	F1-TW-0008989-23155-3-N
				Sample Date:	2023-08-25	2023-08-28	2023-09-01	2023-10-26	2023-08-08	2023-08-28	2023-10-11	2023-10-11
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MORE3134	F1-MORE3142	F1-PHAR4304	F1-PHAR4306	F1-PHAR4307		F1-PHAR4310	F1-REEV4740	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	3134 Moreell Drive	3142 Moreell Drive	4304 Pharris Place	4306 Pharris Place	4307 Pharris Place		4310 Pharris Place	4740 Reeves Loop	
		Field Sample ID:	F1-TW-0009013-23155-N	F1-TW-0009018-23155-N	F1-TW-0009042-23155-N	F1-TW-0009044-23155-N	F1-TW-0009045-23155-N	F1-TW-0009045-23155-3-N	F1-TW-0009048-23155-N	F1-TW-0009085-23155-N	
		Sample Date:	2023-08-11	2023-08-30	2023-07-24	2023-08-28	2023-09-01	2023-09-01	2023-10-13	2023-08-30	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	410	670	490	890	430	430	570	260
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.0	53.0	ND	56.6	60.9	ND	52.2	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	62.7	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	55.0	53.0	ND	56.6	124	ND	52.2	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.570	0.530	ND	ND
	Barium	2000	MCL	1.90	2.00	2.50	1.90	2.00	1.90	2.10	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.780	ND	0.760	0.560	ND	ND	0.840	ND
	Copper	1300	MCL	118	69.1	42.8	26.7	46.8	46.8	51.1	49.9
	Lead	15	MCL	0.150	ND	ND	ND	ND	0.130	0.200	0.180
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.30	0.850	1.90	1.60	2.30	1.90	1.50	0.990
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	0.420	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MORE3134	F1-MORE3142	F1-PHAR4304	F1-PHAR4306	F1-PHAR4307		F1-PHAR4310	F1-REEV4740
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3134 Moreell Drive	3142 Moreell Drive	4304 Pharris Place	4306 Pharris Place	4307 Pharris Place		4310 Pharris Place	4740 Reeves Loop
				Field Sample ID:	F1-TW-0009013-23155-N	F1-TW-0009018-23155-N	F1-TW-0009042-23155-N	F1-TW-0009044-23155-N	F1-TW-0009045-23155-N	F1-TW-0009045-23155-3-N	F1-TW-0009048-23155-N	F1-TW-0009085-23155-N
				Sample Date:	2023-08-11	2023-08-30	2023-07-24	2023-08-28	2023-09-01	2023-09-01	2023-10-13	2023-08-30
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-MORE3134	F1-MORE3142	F1-PHAR4304	F1-PHAR4306	F1-PHAR4307		F1-PHAR4310	F1-REEV4740
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3134 Moreell Drive	3142 Moreell Drive	4304 Pharris Place	4306 Pharris Place	4307 Pharris Place		4310 Pharris Place	4740 Reeves Loop
				Field Sample ID:	F1-TW-0009013-23155-N	F1-TW-0009018-23155-N	F1-TW-0009042-23155-N	F1-TW-0009044-23155-N	F1-TW-0009045-23155-N	F1-TW-0009045-23155-3-N	F1-TW-0009048-23155-N	F1-TW-0009085-23155-N
				Sample Date:	2023-08-11	2023-08-30	2023-07-24	2023-08-28	2023-09-01	2023-09-01	2023-10-13	2023-08-30
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.280	0.290	0.650	ND	0.290	ND	0.370	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.270	ND	ND	ND	ND	0.310	ND	ND
	Total Trihalomethanes	80	MCL	0.280	0.560	0.650	ND	0.290	ND	0.680	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-REEV4747	F1-REEV4765	F1-ROOD4137	F1-ROSS4434	F1-SCOT4601	F1-SCOT4619	F1-TAYL3407		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	4747 Reeves Loop	4765 Reeves Loop	4137 Rood Court	4434 Ross Court	4601 Scott Loop	4619 Scott Loop	3407 Taylor Street		
		Field Sample ID:	F1-TW-0009090-23155-N	F1-TW-0009099-23155-N	F1-TW-0009121-23155-N	F1-TW-0009127-23155-N	F1-TW-0009133-23155-N	F1-TW-0009140-23155-N	F1-TW-0009150-23155-N	F1-TW-0009150-23155-3-N	
		Sample Date:	2023-09-11	2023-10-13	2023-08-11	2023-09-01	2023-08-30	2023-08-25	2023-10-09	2023-10-09	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	420	300	330	460	410	510	970	970
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	60.1	ND	63.3	ND	ND	61.8	69.8	83.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	60.1	ND	63.3	ND	ND	61.8	69.8	83.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.540	ND	ND	0.730	0.750
	Barium	2000	MCL	2.00	2.00	1.90	1.90	1.90	1.80	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.780	0.700	ND	ND	0.940	0.810	0.850
	Copper	1300	MCL	23.1	126	23.2	24.6	46.3	75.4	9.70	9.90
	Lead	15	MCL	0.170	ND	ND	ND	ND	1.50	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.00	1.40	1.20	2.00	0.930	1.50	1.30	1.30
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	0.110	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	0.480	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-REEV4747	F1-REEV4765	F1-ROOD4137	F1-ROSS4434	F1-SCOT4601	F1-SCOT4619	F1-TAYL3407	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4747 Reeves Loop	4765 Reeves Loop	4137 Rood Court	4434 Ross Court	4601 Scott Loop	4619 Scott Loop	3407 Taylor Street	
		Field Sample ID:	F1-TW-0009090-23155-N	F1-TW-0009099-23155-N	F1-TW-0009121-23155-N	F1-TW-0009127-23155-N	F1-TW-0009133-23155-N	F1-TW-0009140-23155-N	F1-TW-0009150-23155-N	F1-TW-0009150-23155-3-N
		Sample Date:	2023-09-11	2023-10-13	2023-08-11	2023-09-01	2023-08-30	2023-08-25	2023-10-09	2023-10-09
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	
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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-REEV4747	F1-REEV4765	F1-ROOD4137	F1-ROSS4434	F1-SCOT4601	F1-SCOT4619	F1-TAYL3407	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4747 Reeves Loop	4765 Reeves Loop	4137 Rood Court	4434 Ross Court	4601 Scott Loop	4619 Scott Loop	3407 Taylor Street	
		Field Sample ID:	F1-TW-0009090-23155-N	F1-TW-0009099-23155-N	F1-TW-0009121-23155-N	F1-TW-0009127-23155-N	F1-TW-0009133-23155-N	F1-TW-0009140-23155-N	F1-TW-0009150-23155-N	F1-TW-0009150-23155-3-N
		Sample Date:	2023-09-11	2023-10-13	2023-08-11	2023-09-01	2023-08-30	2023-08-25	2023-10-09	2023-10-09
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.380	0.280	0.380	ND	ND	0.310	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.280	ND	0.310	ND	0.290	ND	ND
	Total Trihalomethanes	80	MCL	0.660	0.280	0.690	ND	0.290	0.310	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-TAYL3408	F1-TAYL3409	F1-TAYL3411	F1-TAYL3416	F1-TAYL3418	F1-TAYL3444	F1-TAYL3446	F1-TAYL3448	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3408 Taylor Street	3409 Taylor Street	3411 Taylor Street	3416 Taylor Street	3418 Taylor Street	3444 Taylor Street	3446 Taylor Street	3448 Taylor Street	
		Field Sample ID:	F1-TW-0009151-23155-N	F1-TW-0009152-23155-N	F1-TW-0009154-23155-N	F1-TW-0009159-23155-N	F1-TW-0009161-23155-N	F1-TW-0008551-23155-N	F1-TW-0008552-23155-N	F1-TW-0008553-23155-N	
		Sample Date:	2023-08-30	2023-08-11	2023-08-30	2023-09-01	2023-10-09	2023-08-11	2023-10-26	2023-10-27	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	440	170	600	490	320	210	590	790
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	83.8	56.0	132	54.1	77.5	65.3	51.6	73.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	124	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	83.8	56.0	256	54.1	77.5	65.3	51.6	73.8
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.600	0.670	ND	ND	ND
	Barium	2000	MCL	1.90	2.10	1.90	2.00	1.90	1.90	2.00	1.90
	Beryllium	4	MCL	ND	0.240	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.720	ND	ND	0.880	0.680	0.530	ND
	Copper	1300	MCL	23.6	24.0	20.3	15.7	14.3	33.4	15.0	21.1
	Lead	15	MCL	ND	ND	ND	0.170	ND	1.40	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.920	1.90	0.890	2.00	1.20	1.20	2.00	2.00
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	0.110	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-TAYL3408	F1-TAYL3409	F1-TAYL3411	F1-TAYL3416	F1-TAYL3418	F1-TAYL3444	F1-TAYL3446	F1-TAYL3448
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3408 Taylor Street	3409 Taylor Street	3411 Taylor Street	3416 Taylor Street	3418 Taylor Street	3444 Taylor Street	3446 Taylor Street	3448 Taylor Street
		Field Sample ID:	F1-TW-0009151-23155-N	F1-TW-0009152-23155-N	F1-TW-0009154-23155-N	F1-TW-0009159-23155-N	F1-TW-0009161-23155-N	F1-TW-0008551-23155-N	F1-TW-0008552-23155-N	F1-TW-0008553-23155-N
		Sample Date:	2023-08-30	2023-08-11	2023-08-30	2023-09-01	2023-10-09	2023-08-11	2023-10-26	2023-10-27
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-TAYL3408	F1-TAYL3409	F1-TAYL3411	F1-TAYL3416	F1-TAYL3418	F1-TAYL3444	F1-TAYL3446	F1-TAYL3448
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3408 Taylor Street	3409 Taylor Street	3411 Taylor Street	3416 Taylor Street	3418 Taylor Street	3444 Taylor Street	3446 Taylor Street	3448 Taylor Street
		Field Sample ID:	F1-TW-0009151-23155-N	F1-TW-0009152-23155-N	F1-TW-0009154-23155-N	F1-TW-0009159-23155-N	F1-TW-0009161-23155-N	F1-TW-0008551-23155-N	F1-TW-0008552-23155-N	F1-TW-0008553-23155-N
		Sample Date:	2023-08-30	2023-08-11	2023-08-30	2023-09-01	2023-10-09	2023-08-11	2023-10-26	2023-10-27
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.250	0.460	0.440	ND	0.310	0.310	0.290
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.380	0.410	ND	0.300	0.250	0.270
	Total Trihalomethanes	80	MCL	0.250	0.840	0.850	ND	0.610	0.560	0.560

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:		F1-TAYL3452		F1-THOM4202		F1-THOM4210		F1-TOMI3181		F1-TOMI3185		F1-TOMI3190	
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence	
		Address:		3452 Taylor Street		4202 Thomas Way		4210 Thomas Way		3181 Tomich Court		3185 Tomich Court		3190 Tomich Court	
		Field Sample ID:		F1-TW-0008555-23155-N		F1-TW-0008884-23155-N		F1-TW-0008884-23155-3-N		F1-TW-0008891-23155-N		F1-TW-0008903-23155-N		F1-TW-0008907-23155-N	
		Sample Date:		2023-10-26		2023-08-30		2023-08-30		2023-10-11		2023-07-24		2023-09-01	
		Sample Type:		N (Normal)		N (Normal)		FD (Field Duplicate)		N (Normal)		N (Normal)		N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level												
Field Test (ppb)	Free Chlorine	4000	MCL	450	730	730	750	90.0	590	140	140				
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND				
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.8	95.3	55.3	ND	ND	53.4	ND	58.3				
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND				
	Petroleum Hydrocarbons (as Oil)	--	--	ND	51.4	ND	ND	ND	67.8	ND	ND				
	Petroleum Hydrocarbons, Total	266	ISP	58.8	147	55.3	ND	ND	121	ND	58.3				
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND				
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.560	ND	ND				
	Barium	2000	MCL	2.00	1.90	1.90	2.00	1.90	2.00	2.50	2.20				
	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	0.550	ND	ND	ND	0.650	ND	0.810	0.720				
	Copper	1300	MCL	21.3	15.1	15.4	24.6	34.3	70.1	31.9	71.0				
	Lead	15	MCL	ND	ND	ND	ND	0.370	ND	0.430	0.560				
	Mercury	2	MCL	ND	ND	ND	ND	0.0250	ND	ND	ND				
	Selenium	50	MCL	1.90	0.900	0.890	1.30	2.20	1.70	0.910	2.00				
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	0.180					
	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	0.440	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-THOM4202		F1-THOM4210	F1-TOMI3181	F1-TOMI3185	F1-TOMI3190		
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	4202 Thomas Way		4210 Thomas Way	3181 Tomich Court	3185 Tomich Court	3190 Tomich Court		
				Field Sample ID:	F1-TW-0008555-23155-N	F1-TW-0008884-23155-N	F1-TW-0008884-23155-3-N	F1-TW-0008891-23155-N	F1-TW-0008903-23155-N	F1-TW-0008907-23155-N	F1-TW-0008616-23155-N	F1-TW-0008616-23155-3-N
				Sample Date:	2023-10-26	2023-08-30	2023-08-30	2023-10-11	2023-07-24	2023-09-01	2023-08-11	2023-08-11
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-THOM4202		F1-THOM4210	F1-TOMI3181	F1-TOMI3185	F1-TOMI3190		
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	4202 Thomas Way		4210 Thomas Way	3181 Tomich Court	3185 Tomich Court	3190 Tomich Court		
				Field Sample ID:	F1-TW-0008555-23155-N	F1-TW-0008884-23155-N	F1-TW-0008884-23155-3-N	F1-TW-0008891-23155-N	F1-TW-0008903-23155-N	F1-TW-0008907-23155-N	F1-TW-0008616-23155-N	F1-TW-0008616-23155-3-N
				Sample Date:	2023-10-26	2023-08-30	2023-08-30	2023-10-11	2023-07-24	2023-09-01	2023-08-11	2023-08-11
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.420	0.420	0.310	0.330	0.410	0.360	0.380	0.310	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.410	0.380	0.310	0.280	0.320	0.280	0.260	ND	
	Total Trihalomethanes	80	MCL	0.830	0.800	0.620	0.610	0.730	0.640	0.640	0.310	

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:		F1-TOMI3191	F1-TOMI3204	F1-TOMI3207	F1-TOMI3208		F1-TOMI3216		F1-WARD5101
		Location Type:		Residence	Residence	Residence	Residence		Residence		Residence
		Address:		3191 Tomich Court	3204 Tomich Court	3207 Tomich Court	3208 Tomich Court		3216 Tomich Court		5101 Warden Court
		Field Sample ID:		F1-TW-0008617-23155-N	F1-TW-0008628-23155-N	F1-TW-0008631-23155-N	F1-TW-0008632-23155-N	F1-TW-0008632-23155-3-N	F1-TW-0008640-23155-N	F1-TW-0008640-23155-3-N	F1-TW-0008932-23155-N
		Sample Date:		2023-09-11	2023-09-01	2023-09-11	2023-10-13	2023-10-13	2023-10-26	2023-10-26	2023-09-12
		Sample Type:		N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	350	420	180	480	480	330	330	60.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	54.9	ND	65.8	ND	ND	54.8	ND	68.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	54.9	ND	65.8	ND	ND	54.8	ND	68.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.540	ND	ND	ND	ND	ND	ND	0.520
	Barium	2000	MCL	2.00	2.00	2.00	1.90	1.90	2.10	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	ND	0.780	0.810	0.650	0.600	ND
	Copper	1300	MCL	79.3	39.5	27.6	27.6	27.3	96.3	95.0	56.3
	Lead	15	MCL	0.500	1.00	ND	0.220	ND	0.190	0.160	2.10
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.40	1.90	2.30	1.40	1.30	1.80	1.80	2.70
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	0.0210	ND	0.0290	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-TOMI3191	F1-TOMI3204	F1-TOMI3207	F1-TOMI3208		F1-TOMI3216		F1-WARD5101
		Location Type:	Residence	Residence	Residence	Residence		Residence		Residence
		Address:	3191 Tomich Court	3204 Tomich Court	3207 Tomich Court	3208 Tomich Court		3216 Tomich Court		5101 Warden Court
		Field Sample ID:	F1-TW-0008617-23155-N	F1-TW-0008628-23155-N	F1-TW-0008631-23155-N	F1-TW-0008632-23155-N	F1-TW-0008632-23155-3-N	F1-TW-0008640-23155-N	F1-TW-0008640-23155-3-N	F1-TW-0008932-23155-N
		Sample Date:	2023-09-11	2023-09-01	2023-09-11	2023-10-13	2023-10-13	2023-10-26	2023-10-26	2023-09-12
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:		Location ID:
				F1-TOMI3191	F1-TOMI3204	F1-TOMI3207	F1-TOMI3208		F1-TOMI3216		F1-WARD5101
				Residence	Residence	Residence	Residence		Residence		Residence
				3191 Tomich Court	3204 Tomich Court	3207 Tomich Court	3208 Tomich Court		3216 Tomich Court		5101 Warden Court
				F1-TW-0008617-23155-N	F1-TW-0008628-23155-N	F1-TW-0008631-23155-N	F1-TW-0008632-23155-N	F1-TW-0008632-23155-3-N	F1-TW-0008640-23155-N	F1-TW-0008640-23155-3-N	F1-TW-0008932-23155-N
				2023-09-11	2023-09-01	2023-09-11	2023-10-13	2023-10-13	2023-10-26	2023-10-26	2023-09-12
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.300	ND	0.290	0.270	ND	0.330	0.310	0.530
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.250	ND	ND	ND	ND	0.270	0.260	ND
	Total Trihalomethanes	80	MCL	0.550	ND	0.290	0.270	ND	0.600	0.570	0.530

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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:	F1-WARD5131	F1-WARD5139	F1-WARD5142	F1-WARD5154	
				Location Type:	Residence	Residence	Residence	Residence	
				Address:	5131 Warden Court	5139 Warden Court	5142 Warden Court	5154 Warden Court	
				Field Sample ID:	F1-TW-0008650-23155-N	F1-TW-0008654-23155-N	F1-TW-0008656-23155-N	F1-TW-0008666-23155-N	F1-TW-0008666-23155-3-N
				Sample Date:	2023-08-11	2023-10-13	2023-10-26	2023-08-08	2023-08-08
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Field Test (ppb)	Free Chlorine	4000	MCL	430	440	150	120	120	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.5	ND	51.3	62.6	64.6	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	61.5	ND	51.3	62.6	64.6	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.90	1.90	2.00	1.90	2.10	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	
	Chromium	100	MCL	0.710	0.820	0.540	0.860	0.830	
	Copper	1300	MCL	71.4	49.3	103	69.8	51.1	
	Lead	15	MCL	0.390	ND	ND	0.150	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	
	Selenium	50	MCL	2.00	1.80	1.70	1.80	1.80	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Residences in Zone F1

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	
				F1-WARD5131	F1-WARD5139	F1-WARD5142	F1-WARD5154	
				Residence	Residence	Residence	Residence	
				5131 Warden Court	5139 Warden Court	5142 Warden Court	5154 Warden Court	
				F1-TW-0008650-23155-N	F1-TW-0008654-23155-N	F1-TW-0008656-23155-N	F1-TW-0008666-23155-N	F1-TW-0008666-23155-3-N
				2023-08-11	2023-10-13	2023-10-26	2023-08-08	2023-08-08
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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 (Total)	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

8 f]b_]b['K UHyf 'GUa d`Yg'Wc`YWHX']b`>i bY!Bcj Ya VYf`&\$&' Z'ca 'F Yg]XYbWg']b'NcbY': %

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	
				F1-WARD5131	F1-WARD5139	F1-WARD5142	F1-WARD5154	
				Residence	Residence	Residence	Residence	
				5131 Warden Court	5139 Warden Court	5142 Warden Court	5154 Warden Court	
				F1-TW-0008650-23155-N	F1-TW-0008654-23155-N	F1-TW-0008656-23155-N	F1-TW-0008666-23155-N	F1-TW-0008666-23155-3-N
				2023-08-11	2023-10-13	2023-10-26	2023-08-08	2023-08-08
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Haloacetic Acids (ppb)	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	--	--	0.580	ND	0.510	0.380	1.60
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.260	ND	ND	0.310	0.350
	Total Trihalomethanes	80	MCL	0.840	ND	0.510	0.690	1.95

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Schools in Zone F1

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: F1-MOAN001					
				Location Type: School					
				Address: Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI					
				Field Sample ID:	F1-TW-0017726-23155-N-1	F1-TW-0017726-23155-N-3	F1-TW-0017726-23155-N-2	F1-TW-0017726-23155-N-4	F1-TW-0017726-23155-N-5
				Sample Date:	2023-10-11	2023-10-11	2023-10-11	2023-10-11	2023-10-11
				Sample Type:	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	150-710	150-710	150-710	150-710	150-710	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	70.3	56.6	56.1	88.1	53.6	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	70.3	56.6	56.1	88.1	53.6	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.90	1.90	1.90	1.90	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	
	Chromium	100	MCL	ND	ND	ND	ND	ND	
	Copper	1300	MCL	151	21.2	18.1	28.1	9.70	
	Lead	15	MCL	0.850	0.190	0.200	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	
	Selenium	50	MCL	1.70	1.90	1.70	1.60	1.40	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Schools in Zone F1

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:	F1-MOAN001					
		Location Type:	School					
		Address:	Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI					
		Field Sample ID:	F1-TW-0017726-23155-N-1	F1-TW-0017726-23155-N-3	F1-TW-0017726-23155-N-2	F1-TW-0017726-23155-N-4	F1-TW-0017726-23155-N-5	
		Sample Date:	2023-10-11	2023-10-11	2023-10-11	2023-10-11	2023-10-11	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	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 (Total)	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	

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Schools in Zone F1

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:	F1-MOAN001				
Location Type:	School				
Address:	Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI				
Field Sample ID:	F1-TW-0017726-23155-N-1	F1-TW-0017726-23155-N-3	F1-TW-0017726-23155-N-2	F1-TW-0017726-23155-N-4	F1-TW-0017726-23155-N-5
Sample Date:	2023-10-11	2023-10-11	2023-10-11	2023-10-11	2023-10-11
Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-TW-0017726-23155-N-1	F1-TW-0017726-23155-N-3	F1-TW-0017726-23155-N-2	F1-TW-0017726-23155-N-4	F1-TW-0017726-23155-N-5
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	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	--	--	ND	0.290	0.380	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.260	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.550	0.380	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone F1

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: F1-BOUG4857			
				Location Type: Child Development Center			
				Address: Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu			
				Field Sample ID:	F1-TW-0014170-23155-N-2	F1-TW-0014170-23155-N-3-T	F1-TW-0014170-23155-N-1
				Sample Date:	2023-07-24	2023-07-24	2023-07-26
				Sample Type:	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	40.0	270	160	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.3	ND	64.8	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	58.3	ND	64.8	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	
	Barium	2000	MCL	2.00	1.90	2.00	
	Beryllium	4	MCL	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	
	Chromium	100	MCL	0.680	0.740	0.660	
	Copper	1300	MCL	7.00	14.8	5.40	
	Lead	15	MCL	0.140	0.140	ND	
	Mercury	2	MCL	0.0340	0.0310	ND	
	Selenium	50	MCL	2.30	1.30	1.90	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	
	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		

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone F1

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:	F1-BOUG4857		
Location Type:	Child Development Center		
Address:	Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu		
Field Sample ID:	F1-TW-0014170-23155-N-2	F1-TW-0014170-23155-N-3-T	F1-TW-0014170-23155-N-1
Sample Date:	2023-07-24	2023-07-24	2023-07-26
Sample Type:	N (Normal)	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-TW-0014170-23155-N-2	F1-TW-0014170-23155-N-3-T	F1-TW-0014170-23155-N-1
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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	
Trichloroethene (TCE)	5	MCL	ND	ND	ND	

Summary of Chemistry Results
 Zone F1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone F1

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:	F1-BOUG4857		
Location Type:	Child Development Center		
Address:	Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu		
Field Sample ID:	F1-TW-0014170-23155-N-2	F1-TW-0014170-23155-N-3-T	F1-TW-0014170-23155-N-1
Sample Date:	2023-07-24	2023-07-24	2023-07-26
Sample Type:	N (Normal)	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-TW-0014170-23155-N-2	F1-TW-0014170-23155-N-3-T	F1-TW-0014170-23155-N-1
Volatile Organic Compounds (ppb)	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
	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	0.610	0.450	0.460
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.350	0.250	0.410
	Total Trihalomethanes	80	MCL	0.960	0.700	0.870

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Other Buildings in Zone F1

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:	F1-BLDG0039	F1-BLDG0MP3	F1-BLDG0X17	F1-BLDG0X18	F1-BLDG0X20	F1-BLDG0X21	F1-BLDG2655	
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	
				Address:	Building 39,ROOFING/LABOR SHOP	Building MP3,CIO/OPS/TRAINING	Building X17,NFH SHOPS TOOLROOM	Building X18,PW MAINTENANCE SHOP	Building X20,PUBLIC WORKS OFFICE/EURA SHOP/STORAGE	Building X21,WELDING SHOP	Building 2655,FOOD/SERVICE STORES	
				Field Sample ID:	F1-TW-0015364-23155-N	F1-TW-0015316-23155-N	F1-TW-0015320-23155-N	F1-TW-0015321-23155-N	F1-TW-0015322-23155-N	F1-TW-0015323-23155-N	F1-TW-0015332-23155-N-2	F1-TW-0015332-23155-N-1
				Sample Date:	2023-08-11	2023-10-13	2023-10-13	2023-10-13	2023-08-28	2023-08-11	2023-08-25	2023-08-25
				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	60.0	200	390	430	720	290	200-310	200-310	
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	87.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND	87.8
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	2.30	2.20	2.00	2.10	2.00	2.00	1.90	1.80	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.0530	0.0940	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.700	0.840	0.740	0.850	0.650	0.750	0.980	0.960	
	Copper	1300	MCL	51.6	31.8	18.9	35.8	77.2	25.7	25.2	38.7	
	Lead	15	MCL	0.140	0.620	0.230	7.80	0.270	0.230	0.190	0.190	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	0.0270
	Selenium	50	MCL	2.10	1.30	1.30	1.60	1.70	1.90	1.70	1.40	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Other Buildings in Zone F1

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:	F1-BLDG0039	F1-BLDG0MP3	F1-BLDG0X17	F1-BLDG0X18	F1-BLDG0X20	F1-BLDG0X21	F1-BLDG2655	
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	
				Address:	Building 39, ROOFING/LABOR SHOP	Building MP3, CIO/OPS/TRAINING	Building X17, NFH SHOPS TOOLROOM	Building X18, PW MAINTENANCE SHOP	Building X20, PUBLIC WORKS OFFICE/EURA SHOP/STORAGE	Building X21, WELDING SHOP	Building 2655, FOOD/SERVICE STORES	
				Field Sample ID:	F1-TW-0015364-23155-N	F1-TW-0015316-23155-N	F1-TW-0015320-23155-N	F1-TW-0015321-23155-N	F1-TW-0015322-23155-N	F1-TW-0015323-23155-N	F1-TW-0015332-23155-N-2	F1-TW-0015332-23155-N-1
				Sample Date:	2023-08-11	2023-10-13	2023-10-13	2023-10-13	2023-08-28	2023-08-11	2023-08-25	2023-08-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

8 f]b_]b['K UHyf'GUa d`Yg`Wc`YWYX`]b`>i bY!Bcj Ya VYf`&\$&' Zca `CH Yf`6 i]X]b[g]b`NcbY': %

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:	F1-BLDG0039	F1-BLDG0MP3	F1-BLDG0X17	F1-BLDG0X18	F1-BLDG0X20	F1-BLDG0X21	F1-BLDG2655	
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Medical Building	
				Address:	Building 39,ROOFING/LABOR SHOP	Building MP3,CIO/OPS/TRAINING	Building X17,NFH SHOPS TOOLROOM	Building X18,PW MAINTENANCE SHOP	Building X20,PUBLIC WORKS OFFICE/EURA SHOP/STORAGE	Building X21,WELDING SHOP	Building 2655,FOOD/SERVICE STORES	
				Field Sample ID:	F1-TW-0015364-23155-N	F1-TW-0015316-23155-N	F1-TW-0015320-23155-N	F1-TW-0015321-23155-N	F1-TW-0015322-23155-N	F1-TW-0015323-23155-N	F1-TW-0015332-23155-N-2	F1-TW-0015332-23155-N-1
				Sample Date:	2023-08-11	2023-10-13	2023-10-13	2023-10-13	2023-08-28	2023-08-11	2023-08-25	2023-08-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	0.290	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.290	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609	
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609	
		Field Sample ID:	F1-DL-0017719-23155 -N	F1-DL-0017720-23155 -N	F1-DL-0017721-23155 -N-T	F1-DL-0017721-23155 -3-N-T	F1-DL-0017722-23155 -N	F1-DL-0017723-23155 -N	F1-DL-0017724-23155 -N	F1-DL-0017725-23155 -N	
		Sample Date:	2023-10-26	2023-10-26	2023-06-30	2023-06-30	2023-10-26	2023-10-26	2023-10-26	2023-10-26	
		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								
Field Test (ppb)	Free Chlorine	4000	MCL	770	740	300	300	500	760	30.0	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	79.7	92.5	54.3	53.7	92.5	91.1	ND	55.3
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	51.5	59.4	ND	73.2
	Petroleum Hydrocarbons, Total	266	ISP	79.7	92.5	54.3	53.7	144	151	ND	129
Metals (ppb)	Antimony	6	MCL	ND	ND	0.110	0.140	ND	ND	0.140	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.00	2.30	2.40	2.20	2.00	4.40	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	0.530	0.510	2.00	1.90	0.570	0.550	ND	0.500
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.70	1.70	ND	ND	1.60	1.70	ND	2.10
	Thallium	2	MCL	ND	ND	0.0540	0.110	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609
		Field Sample ID:	F1-DL-0017719-23155 -N	F1-DL-0017720-23155 -N	F1-DL-0017721-23155 -N-T	F1-DL-0017721-23155 -3-N-T	F1-DL-0017722-23155 -N	F1-DL-0017723-23155 -N	F1-DL-0017724-23155 -N	F1-DL-0017725-23155 -N
		Sample Date:	2023-10-26	2023-10-26	2023-06-30	2023-06-30	2023-10-26	2023-10-26	2023-10-26	2023-10-26
		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-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
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
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609
		Field Sample ID:	F1-DL-0017719-23155 -N	F1-DL-0017720-23155 -N	F1-DL-0017721-23155 -N-T	F1-DL-0017721-23155 -3-N-T	F1-DL-0017722-23155 -N	F1-DL-0017723-23155 -N	F1-DL-0017724-23155 -N	F1-DL-0017725-23155 -N
		Sample Date:	2023-10-26	2023-10-26	2023-06-30	2023-06-30	2023-10-26	2023-10-26	2023-10-26	2023-10-26
		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							
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.440	0.280	ND	0.300	0.260	0.260	3.40
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.280	ND	ND	ND	ND	ND	0.590
	Total Trihalomethanes	80	MCL	0.720	0.280	ND	0.300	0.260	0.260	3.40

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD2134
Location Type:	Hydrant
Address:	FH ID: FH-11A
Field Sample ID:	F1-DL-0000595-23155 -N
Sample Date:	2023-10-26
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	97.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	97.7
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.00
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	0.510
	Mercury	2	MCL	ND
	Selenium	50	MCL	1.70
	Thallium	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD2134
Location Type:	Hydrant
Address:	FH ID: FH-11A
Field Sample ID:	F1-DL-0000595-23155 -N
Sample Date:	2023-10-26
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene (Total)	70	MCL	ND
	1,2-Dichloropropane	5	MCL	ND
	1,4-Dichlorobenzene	75	MCL	ND
	Benzene	5	MCL	ND
	Carbon Tetrachloride	5	MCL	ND
	Chlorobenzene	100	MCL	ND
	cis-1,2-Dichloroethene	70	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND
	Methylene chloride	5	MCL	ND
	o-Xylene	--	--	ND
	Styrene	100	MCL	ND
	Tetrachloroethene (PCE)	5	MCL	ND
	Toluene	1000	MCL	ND
	trans-1,2-Dichloroethene	100	MCL	ND
	Trichloroethene (TCE)	5	MCL	ND
	Vinyl chloride	2	MCL	ND
	Xylenes, Total	10000	MCL	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--
Chloroacetic acid		--	--	ND
Dibromoacetic acid		--	--	ND
Dichloroacetic acid		--	--	ND
Trichloroacetic acid		--	--	ND
Total Haloacetic acids		60	MCL	ND

Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone F1

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:	F1-HYD2134
Location Type:	Hydrant
Address:	FH ID: FH-11A
Field Sample ID:	F1-DL-0000595-23155 -N
Sample Date:	2023-10-26
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.420
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	0.300
	Total Trihalomethanes	80	MCL	0.720