

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-AUPA0075	D3-AUPA0077	D3-AUPA0085	D3-AUPA0121	D3-AUPA0129	D3-HALE0143	D3-HALE0145	D3-HALE1001	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	75 Aupaka Street	77 Aupaka Street	85 Aupaka Street	121 Aupaka Street	129 Aupaka Street	143 Halena Place	145 Halena Place	1001 Halehaka Street	
		Field Sample ID:	D3-TW-0009641-22167-N	D3-TW-0009642-22167-N	D3-TW-0009645-22167-N	D3-TW-0009649-22167-N	D3-TW-0009653-22167-N	D3-TW-0009662-22167-N	D3-TW-0009664-22167-N	D3-TW-0009671-22167-N	
		Sample Date:	2022-10-12	2022-10-12	2022-10-12	2022-07-13	2022-07-12	2022-09-22	2022-09-16	2022-08-11	
		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	340	600	480	540	410	220	610
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	55.1	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	55.1	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	0.170	ND	ND	ND	ND	0.220	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.610	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.10	1.90	2.10	1.90	1.90	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.110	0.120	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	2.00	1.70	1.30	1.40	1.80	1.80	0.900
	Copper	1300	MCL	40.3	117	34.3	50.1	52.3	13.9	15.6	6.30
	Lead	15	MCL	0.490	0.220	ND	ND	ND	ND	0.340	0.210
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.890	1.10	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-AUPA0075	D3-AUPA0077	D3-AUPA0085	D3-AUPA0121	D3-AUPA0129	D3-HALE0143	D3-HALE0145	D3-HALE1001
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	75 Aupaka Street	77 Aupaka Street	85 Aupaka Street	121 Aupaka Street	129 Aupaka Street	143 Halena Place	145 Halena Place	1001 Halehaka Street
		Field Sample ID:	D3-TW-0009641-22167-N	D3-TW-0009642-22167-N	D3-TW-0009645-22167-N	D3-TW-0009649-22167-N	D3-TW-0009653-22167-N	D3-TW-0009662-22167-N	D3-TW-0009664-22167-N	D3-TW-0009671-22167-N
		Sample Date:	2022-10-12	2022-10-12	2022-10-12	2022-07-13	2022-07-12	2022-09-22	2022-09-16	2022-08-11
		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	1.70	ND	ND	ND	ND	1.30
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-AUPA0075	D3-AUPA0077	D3-AUPA0085	D3-AUPA0121	D3-AUPA0129	D3-HALE0143	D3-HALE0145	D3-HALE1001
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	75 Aupaka Street	77 Aupaka Street	85 Aupaka Street	121 Aupaka Street	129 Aupaka Street	143 Halena Place	145 Halena Place	1001 Halehaka Street
		Field Sample ID:	D3-TW-0009641-22167-N	D3-TW-0009642-22167-N	D3-TW-0009645-22167-N	D3-TW-0009649-22167-N	D3-TW-0009653-22167-N	D3-TW-0009662-22167-N	D3-TW-0009664-22167-N	D3-TW-0009671-22167-N
		Sample Date:	2022-10-12	2022-10-12	2022-10-12	2022-07-13	2022-07-12	2022-09-22	2022-09-16	2022-08-11
		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	1.70	ND	ND	ND	ND	1.30
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.940	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	2.50	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	0.660	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	2.10	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	6.20	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-HONO0181		D3-HONO0185	D3-ILIM0104	D3-ILIM0112	D3-ILIM0116	D3-KIKA0732	D3-KIKA0734	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	181 Honohono Street		185 Honohono Street	104 Ilima Street	112 Ilima Street	116 Ilima Street	732 Kikanai Loop	734 Kikanai Loop	
		Field Sample ID:	D3-TW-0009697-22167-3-N	D3-TW-0009697-22167-N	D3-TW-0009699-22167-N	D3-TW-0009708-22167-N	D3-TW-0009711-22167-N	D3-TW-0009713-22167-N	D3-TW-0009739-22167-N	D3-TW-0009740-22167-N	
		Sample Date:	2022-09-16	2022-09-16	2022-09-21	2022-07-13	2022-09-22	2022-09-20	2022-09-16	2022-09-21	
		Sample Type:	FD (Field Duplicate)	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	620	620	380	460	500	220	410	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	55.2	ND	62.1	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	55.2	ND	62.1	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.600	ND	0.500	0.690	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	2.00	1.90	1.90	1.80	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	0.200	ND	0.130	ND	ND
	Chromium	100	MCL	1.90	2.00	2.00	1.50	1.80	1.90	1.90	2.00
	Copper	1300	MCL	24.6	27.5	14.2	70.1	24.4	69.9	6.20	5.40
	Lead	15	MCL	ND	ND	ND	3.10	ND	1.40	0.150	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.970	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	0.530	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-HONO0181		D3-HONO0185	D3-ILIM0104	D3-ILIM0112	D3-ILIM0116	D3-KIKA0732	D3-KIKA0734
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:	181 Honohono Street		185 Honohono Street	104 Ilima Street	112 Ilima Street	116 Ilima Street	732 Kikanai Loop	734 Kikanai Loop
		Field Sample ID:	D3-TW-0009697-22167-3-N	D3-TW-0009697-22167-N	D3-TW-0009699-22167-N	D3-TW-0009708-22167-N	D3-TW-0009711-22167-N	D3-TW-0009713-22167-N	D3-TW-0009739-22167-N	D3-TW-0009740-22167-N
		Sample Date:	2022-09-16	2022-09-16	2022-09-21	2022-07-13	2022-09-22	2022-09-20	2022-09-16	2022-09-21
		Sample Type:	FD (Field Duplicate)	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-HONO0181		D3-HONO0185	D3-ILIM0104	D3-ILIM0112	D3-ILIM0116	D3-KIKA0732	D3-KIKA0734
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 181 Honohono Street		185 Honohono Street	104 Ilima Street	112 Ilima Street	116 Ilima Street	732 Kikanai Loop	734 Kikanai Loop
				Field Sample ID: D3-TW-0009697-22167-3-N	D3-TW-0009697-22167-N	D3-TW-0009699-22167-N	D3-TW-0009708-22167-N	D3-TW-0009711-22167-N	D3-TW-0009713-22167-N	D3-TW-0009739-22167-N	D3-TW-0009740-22167-N
				Sample Date: 2022-09-16	2022-09-16	2022-09-21	2022-07-13	2022-09-22	2022-09-20	2022-09-16	2022-09-21
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	--	--	ND	0.330	ND	0.740	0.480	ND	0.490	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.710	0.380	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.330	ND	1.45	0.860	ND	0.490	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-KIKA0736	D3-KIKA0746	D3-KIKA0755	D3-KOKI0076	D3-KOKO0122	D3-KOKO0127	D3-KOKO0133		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	736 Kikanai Loop	746 Kikanai Loop	755 Kikanai Loop	76 Kokio Lane	122 Kokomalei Street	127 Kokomalei Street	133 Kokomalei Street		
		Field Sample ID:	D3-TW-0009741-22167-N	D3-TW-0009745-22167-N	D3-TW-0009750-22167-N	D3-TW-0009757-22167-N	D3-TW-0009780-22167-N	D3-TW-0009785-22167-N	D3-TW-0009789-22167-3-N	D3-TW-0009789-22167-N	
		Sample Date:	2022-09-16	2022-08-16	2022-07-22	2022-07-14	2022-10-12	2022-09-22	2022-10-12	2022-10-12	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	490	230	510	310	110	490	520	520
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	56.8	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	56.8	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	0.390	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.640	ND	ND	ND	ND
	Barium	2000	MCL	2.30	2.00	2.00	1.90	2.00	1.80	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	0.0760	ND	ND	0.220	0.0770
	Chromium	100	MCL	2.00	1.20	1.20	1.30	1.90	1.80	1.80	1.80
	Copper	1300	MCL	5.60	8.30	7.60	124	174	23.1	22.7	21.8
	Lead	15	MCL	0.240	ND	0.350	0.270	ND	ND	0.220	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.520	0.390	1.10	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-KIKA0736	D3-KIKA0746	D3-KIKA0755	D3-KOKI0076	D3-KOKO0122	D3-KOKO0127	D3-KOKO0133	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	736 Kikanai Loop	746 Kikanai Loop	755 Kikanai Loop	76 Kokio Lane	122 Kokomalei Street	127 Kokomalei Street	133 Kokomalei Street	
				Field Sample ID:	D3-TW-0009741-22167-N	D3-TW-0009745-22167-N	D3-TW-0009750-22167-N	D3-TW-0009757-22167-N	D3-TW-0009780-22167-N	D3-TW-0009785-22167-N	D3-TW-0009789-22167-3-N	D3-TW-0009789-22167-N
				Sample Date:	2022-09-16	2022-08-16	2022-07-22	2022-07-14	2022-10-12	2022-09-22	2022-10-12	2022-10-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-KIKA0736	D3-KIKA0746	D3-KIKA0755	D3-KOKI0076	D3-KOKO0122	D3-KOKO0127	D3-KOKO0133	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	736 Kikanai Loop	746 Kikanai Loop	755 Kikanai Loop	76 Kokio Lane	122 Kokomalei Street	127 Kokomalei Street	133 Kokomalei Street	
				Field Sample ID:	D3-TW-0009741-22167-N	D3-TW-0009745-22167-N	D3-TW-0009750-22167-N	D3-TW-0009757-22167-N	D3-TW-0009780-22167-N	D3-TW-0009785-22167-N	D3-TW-0009789-22167-3-N	D3-TW-0009789-22167-N
				Sample Date:	2022-09-16	2022-08-16	2022-07-22	2022-07-14	2022-10-12	2022-09-22	2022-10-12	2022-10-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	0.320	ND	ND	ND
	Bromoform	--	--	0.290	0.300	ND	5.20	1.70	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	0.290	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	1.10	0.850	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.290	0.300	ND	6.30	3.16	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-KOKO0151	D3-KOPI0112	D3-KOPI0113	D3-LEHU0306	D3-LEHU0313	D3-LEHU0317	D3-LEHU0318	D3-LILI0156	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	151 Kokomalei Street	112 Kopiko Street	113 Kopiko Street	306 Lehua Lane	313 Lehua Lane	317 Lehua Lane	318 Lehua Lane	156 Liliwai Street	
		Field Sample ID:	D3-TW-0009799-22167-N	D3-TW-0009812-22167-N	D3-TW-0009813-22167-N	D3-TW-0009834-22167-N	D3-TW-0011196-22167-N	D3-TW-0011200-22167-N	D3-TW-0011201-22167-N	D3-TW-0011220-22167-N	
		Sample Date:	2022-07-12	2022-10-12	2022-10-12	2022-07-15	2022-07-14	2022-07-14	2022-07-12	2022-09-21	
		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	370	670	570	310	570	460	440	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	240
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	70.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	70.2
Metals (ppb)	Antimony	6	MCL	ND	ND	0.220	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.550	0.730	0.560	ND
	Barium	2000	MCL	2.00	2.00	2.20	2.20	2.00	1.80	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.210	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.20	1.80	2.00	1.50	1.30	1.30	1.20	1.90
	Copper	1300	MCL	75.4	35.0	48.6	4.70	9.10	6.90	7.40	10.4
	Lead	15	MCL	ND	ND	0.150	0.210	0.160	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.90	ND	0.350	0.810	1.20	1.30	2.80	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	0.0170	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-KOKO0151	D3-KOPI0112	D3-KOPI0113	D3-LEHU0306	D3-LEHU0313	D3-LEHU0317	D3-LEHU0318	D3-LILI0156
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	151 Kokomalei Street	112 Kopiko Street	113 Kopiko Street	306 Lehua Lane	313 Lehua Lane	317 Lehua Lane	318 Lehua Lane	156 Liliwai Street
		Field Sample ID:	D3-TW-0009799-22167-N	D3-TW-0009812-22167-N	D3-TW-0009813-22167-N	D3-TW-0009834-22167-N	D3-TW-0011196-22167-N	D3-TW-0011200-22167-N	D3-TW-0011201-22167-N	D3-TW-0011220-22167-N
		Sample Date:	2022-07-12	2022-10-12	2022-10-12	2022-07-15	2022-07-14	2022-07-14	2022-07-12	2022-09-21
		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	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	0.940	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		<b>Location ID:</b>	D3-KOKO0151	D3-KOPI0112	D3-KOPI0113	D3-LEHU0306	D3-LEHU0313	D3-LEHU0317	D3-LEHU0318	D3-LILI0156
		<b>Location Type:</b>	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		<b>Address:</b>	151 Kokomalei Street	112 Kopiko Street	113 Kopiko Street	306 Lehua Lane	313 Lehua Lane	317 Lehua Lane	318 Lehua Lane	156 Liliwai Street
		<b>Field Sample ID:</b>	D3-TW-0009799-22167-N	D3-TW-0009812-22167-N	D3-TW-0009813-22167-N	D3-TW-0009834-22167-N	D3-TW-0011196-22167-N	D3-TW-0011200-22167-N	D3-TW-0011201-22167-N	D3-TW-0011220-22167-N
		<b>Sample Date:</b>	2022-07-12	2022-10-12	2022-10-12	2022-07-15	2022-07-14	2022-07-14	2022-07-12	2022-09-21
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	0.940	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	0.730	ND	ND	ND	ND
	Bromoform	--	--	1.60	0.480	1.20	ND	ND	0.640	ND
	Chloroform	--	--	ND	ND	0.520	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.30	0.310	1.50	ND	ND	0.540	ND
	Total Trihalomethanes	80	MCL	2.90	0.790	3.95	ND	ND	1.18	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-LILI0174	D3-LILI0176	D3-LILI0178	D3-MAKA1012	D3-MAKA1022	D3-MAKA1028	D3-MAKA1032		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	174 Liliwai Street	176 Liliwai Street	178 Liliwai Street	1012 Makalika Loop	1022 Makalika Loop	1028 Makalika Loop	1032 Makalika Loop		
		Field Sample ID:	D3-TW-0011227-22167-N	D3-TW-0011228-22167-N	D3-TW-0011229-22167-N	D3-TW-0011235-22167-N	D3-TW-0011240-22167-N	D3-TW-0011243-22167-N	D3-TW-0011245-22167-3-N	D3-TW-0011245-22167-N	
		Sample Date:	2022-09-16	2022-09-16	2022-09-21	2022-10-12	2022-10-12	2022-09-20	2022-08-12	2022-08-12	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	540	620	380	420	650	550	530	530
Field Test (ppb)	Free Chlorine	4000	MCL	540	620	380	420	650	550	530	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	59.2	ND	ND	80.8	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	59.2	ND	ND	80.8	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.120
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	2.10	2.00	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	1.90	2.10	1.90	2.00	1.60	2.00	0.950	0.940
	Copper	1300	MCL	13.8	12.3	9.20	28.3	11.9	8.60	9.20	9.00
	Lead	15	MCL	0.220	0.210	ND	ND	1.70	0.140	0.460	0.260
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	0.320	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-LILI0174	D3-LILI0176	D3-LILI0178	D3-MAKA1012	D3-MAKA1022	D3-MAKA1028	D3-MAKA1032		
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	174 Liliwai Street	176 Liliwai Street	178 Liliwai Street	1012 Makalika Loop	1022 Makalika Loop	1028 Makalika Loop	1032 Makalika Loop		
				Field Sample ID:	D3-TW-0011227-22167-N	D3-TW-0011228-22167-N	D3-TW-0011229-22167-N	D3-TW-0011235-22167-N	D3-TW-0011240-22167-N	D3-TW-0011243-22167-N	D3-TW-0011245-22167-3-N	D3-TW-0011245-22167-N	
				Sample Date:	2022-09-16	2022-09-16	2022-09-21	2022-10-12	2022-10-12	2022-09-20	2022-08-12	2022-08-12	
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-LILI0174	D3-LILI0176	D3-LILI0178	D3-MAKA1012	D3-MAKA1022	D3-MAKA1028	D3-MAKA1032	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	174 Liliwai Street	176 Liliwai Street	178 Liliwai Street	1012 Makalika Loop	1022 Makalika Loop	1028 Makalika Loop	1032 Makalika Loop	
				Field Sample ID:	D3-TW-0011227-22167-N	D3-TW-0011228-22167-N	D3-TW-0011229-22167-N	D3-TW-0011235-22167-N	D3-TW-0011240-22167-N	D3-TW-0011243-22167-N	D3-TW-0011245-22167-3-N	D3-TW-0011245-22167-N
				Sample Date:	2022-09-16	2022-09-16	2022-09-21	2022-10-12	2022-10-12	2022-09-20	2022-08-12	2022-08-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	--	--	ND	0.350	ND	ND	ND	ND	0.300	0.690	1.90
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	0.330	0.600
	Total Trihalomethanes	80	MCL	ND	0.350	ND	ND	ND	ND	0.300	1.02	2.50

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-MAKA1038	D3-MELI0233	D3-MELI0241	D3-MELI0317	D3-MELI0343	D3-NANU0934	D3-NANU0943	D3-NANU0944	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1038 Makalika Loop	233 Melia Street	241 Melia Street	317 Melia Street	343 Melia Street	934 Nanu Street	943 Nanu Street	944 Nanu Street	
		Field Sample ID:	D3-TW-0011248-22167-N	D3-TW-0011276-22167-N	D3-TW-0011282-22167-N	D3-TW-0011297-22167-N	D3-TW-0011304-22167-N	D3-TW-0011349-22167-N	D3-TW-0011356-22167-N	D3-TW-0011357-22167-N	
		Sample Date:	2022-07-14	2022-09-21	2022-07-13	2022-07-14	2022-08-12	2022-09-22	2022-07-15	2022-08-15	
		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	390	560	270	510	600	140	523	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.310
	Arsenic	10	MCL	0.700	ND	0.580	0.510	ND	ND	ND	ND
	Barium	2000	MCL	2.00	1.90	2.00	2.10	1.80	1.90	1.90	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.90	1.40	1.30	0.990	1.70	1.50	1.10
	Copper	1300	MCL	7.70	11.9	6.60	8.40	4.80	10.3	6.50	15.1
	Lead	15	MCL	0.380	0.160	ND	0.270	0.180	0.150	ND	0.770
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0350	0.0280
	Selenium	50	MCL	1.30	ND	0.990	1.10	ND	ND	0.770	0.430
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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-MAKA1038	D3-MELI0233	D3-MELI0241	D3-MELI0317	D3-MELI0343	D3-NANU0934	D3-NANU0943	D3-NANU0944
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1038 Makalika Loop	233 Melia Street	241 Melia Street	317 Melia Street	343 Melia Street	934 Nanu Street	943 Nanu Street	944 Nanu Street
		Field Sample ID:	D3-TW-0011248-22167-N	D3-TW-0011276-22167-N	D3-TW-0011282-22167-N	D3-TW-0011297-22167-N	D3-TW-0011304-22167-N	D3-TW-0011349-22167-N	D3-TW-0011356-22167-N	D3-TW-0011357-22167-N
		Sample Date:	2022-07-14	2022-09-21	2022-07-13	2022-07-14	2022-08-12	2022-09-22	2022-07-15	2022-08-15
		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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-MAKA1038	D3-MELI0233	D3-MELI0241	D3-MELI0317	D3-MELI0343	D3-NANU0934	D3-NANU0943	D3-NANU0944
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1038 Makalika Loop	233 Melia Street	241 Melia Street	317 Melia Street	343 Melia Street	934 Nanu Street	943 Nanu Street	944 Nanu Street
		Field Sample ID:	D3-TW-0011248-22167-N	D3-TW-0011276-22167-N	D3-TW-0011282-22167-N	D3-TW-0011297-22167-N	D3-TW-0011304-22167-N	D3-TW-0011349-22167-N	D3-TW-0011356-22167-N	D3-TW-0011357-22167-N
		Sample Date:	2022-07-14	2022-09-21	2022-07-13	2022-07-14	2022-08-12	2022-09-22	2022-07-15	2022-08-15
		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	0.790
	Bromoform	--	--	1.20	ND	ND	ND	ND	0.340	2.80
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.790	ND	ND	ND	ND	ND	2.20
	Total Trihalomethanes	80	MCL	1.99	ND	ND	ND	ND	0.340	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-NANU0945	D3-NEHE1003		D3-NEHE1016	D3-OHAN0155	D3-OHAN0162		D3-OHAN0163	
		Location Type:	Residence	Residence		Residence	Residence	Residence		Residence	
		Address:	945 Nanu Street	1003 Nehe Street		1016 Nehe Street	155 Ohana Nui Circle	162 Ohana Nui Circle		163 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0011358-22167-N	D3-TW-0011364-22167-3-N	D3-TW-0011364-22167-N	D3-TW-0011372-22167-N	D3-TW-0010210-22167-N	D3-TW-0010215-22167-3-N	D3-TW-0010215-22167-N	D3-TW-0010216-22167-N	
		Sample Date:	2022-07-13	2022-07-14	2022-07-14	2022-09-21	2022-07-14	2022-08-15	2022-08-15	2022-07-12	
		Sample Type:	N (Normal)	FD (Field Duplicate)	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	550	380	380	390	560	490	490	540
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.7	ND	ND	54.6	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	53.7	ND	ND	54.6	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.570	0.900	0.860	ND	0.690	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.00	1.90	2.30	2.00	2.00	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.10	1.10	2.00	1.30	1.10	1.10	1.50
	Copper	1300	MCL	8.10	5.90	5.90	5.30	5.50	5.10	4.40	10.8
	Lead	15	MCL	ND	ND	ND	ND	0.530	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0670	ND
	Selenium	50	MCL	0.890	2.10	3.20	ND	1.40	0.310	ND	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	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-NEHE1003		D3-NEHE1016	D3-OHAN0155	D3-OHAN0162		D3-OHAN0163	
				Location Type:	Residence		Residence	Residence	Residence		Residence	
				Address:	1003 Nehe Street		1016 Nehe Street	155 Ohana Nui Circle	162 Ohana Nui Circle		163 Ohana Nui Circle	
				Field Sample ID:	D3-TW-0011364-22167-N	D3-TW-0011364-22167-3-N	D3-TW-0011364-22167-N	D3-TW-0011372-22167-N	D3-TW-0010210-22167-N	D3-TW-0010215-22167-3-N	D3-TW-0010215-22167-N	D3-TW-0010216-22167-N
				Sample Date:	2022-07-13	2022-07-14	2022-07-14	2022-09-21	2022-07-14	2022-08-15	2022-08-15	2022-07-12
				Sample Type:	N (Normal)	FD (Field Duplicate)	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-NEHE1003		D3-NEHE1016	D3-OHAN0155	D3-OHAN0162		D3-OHAN0163	
				Location Type:	Residence		Residence	Residence	Residence		Residence	
				Address:	1003 Nehe Street		1016 Nehe Street	155 Ohana Nui Circle	162 Ohana Nui Circle		163 Ohana Nui Circle	
				Field Sample ID:	D3-TW-0011358-22167-N	D3-TW-0011364-22167-3-N	D3-TW-0011364-22167-N	D3-TW-0011372-22167-N	D3-TW-0010210-22167-N	D3-TW-0010215-22167-3-N	D3-TW-0010215-22167-N	D3-TW-0010216-22167-N
				Sample Date:	2022-07-13	2022-07-14	2022-07-14	2022-09-21	2022-07-14	2022-08-15	2022-08-15	2022-07-12
				Sample Type:	N (Normal)	FD (Field Duplicate)	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	--	--	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0204	D3-OHAN0234	D3-OHAN0423	D3-OHAN0433	D3-OHAN0434	D3-OHAN0614	D3-OHAN0626	D3-OHAN0711	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	204 Ohana Nui Circle	234 Ohana Nui Circle	423 Ohana Nui Circle	433 Ohana Nui Circle	434 Ohana Nui Circle	614 Ohana Nui Circle	626 Ohana Nui Circle	711 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0010223-22167-N	D3-TW-0010231-22167-N	D3-TW-0010269-22167-N	D3-TW-0010272-22167-N	D3-TW-0010273-22167-N	D3-TW-0009449-22167-N	D3-TW-0009454-22167-N	D3-TW-0009456-22167-3-N	
		Sample Date:	2022-07-14	2022-08-11	2022-07-14	2022-07-12	2022-07-13	2022-08-16	2022-08-12	2022-07-12	
		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	240	570	530	420	500	680	630	240
Field Test (ppb)	Free Chlorine	4000	MCL	240	570	530	420	500	680	630	240
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	78.8	ND	ND	50.1	62.0	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	78.8	ND	ND	50.1	62.0	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	0.120	ND
	Arsenic	10	MCL	0.950	ND	0.600	ND	0.540	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.00	1.90	2.00	2.00	2.00	2.30
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	0.0510
	Chromium	100	MCL	1.20	0.980	1.40	1.40	1.30	1.20	1.00	1.50
	Copper	1300	MCL	5.30	101	8.60	7.90	9.30	6.30	7.30	4.80
	Lead	15	MCL	ND	4.10	0.180	ND	ND	ND	0.170	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.90	ND	1.30	1.40	0.950	0.620	0.460	1.10
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	0.0110	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0204	D3-OHAN0234	D3-OHAN0423	D3-OHAN0433	D3-OHAN0434	D3-OHAN0614	D3-OHAN0626	D3-OHAN0711
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	204 Ohana Nui Circle	234 Ohana Nui Circle	423 Ohana Nui Circle	433 Ohana Nui Circle	434 Ohana Nui Circle	614 Ohana Nui Circle	626 Ohana Nui Circle	711 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010223-22167-N	D3-TW-0010231-22167-N	D3-TW-0010269-22167-N	D3-TW-0010272-22167-N	D3-TW-0010273-22167-N	D3-TW-0009449-22167-N	D3-TW-0009454-22167-N	D3-TW-0009456-22167-3-N
		Sample Date:	2022-07-14	2022-08-11	2022-07-14	2022-07-12	2022-07-13	2022-08-16	2022-08-12	2022-07-12
		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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0204	D3-OHAN0234	D3-OHAN0423	D3-OHAN0433	D3-OHAN0434	D3-OHAN0614	D3-OHAN0626	D3-OHAN0711
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	204 Ohana Nui Circle	234 Ohana Nui Circle	423 Ohana Nui Circle	433 Ohana Nui Circle	434 Ohana Nui Circle	614 Ohana Nui Circle	626 Ohana Nui Circle	711 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010223-22167-N	D3-TW-0010231-22167-N	D3-TW-0010269-22167-N	D3-TW-0010272-22167-N	D3-TW-0010273-22167-N	D3-TW-0009449-22167-N	D3-TW-0009454-22167-N	D3-TW-0009456-22167-3-N
		Sample Date:	2022-07-14	2022-08-11	2022-07-14	2022-07-12	2022-07-13	2022-08-16	2022-08-12	2022-07-12
		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	0.690	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	21.9	ND	ND	ND	0.460	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	5.80	ND	ND	ND	ND	0.650
	Total Trihalomethanes	80	MCL	ND	28.4	ND	ND	ND	0.460	ND



**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0711	D3-OHAN0792	D3-OHAN0807	D3-OHAN0885	D3-OHAN0904	D3-OHAN0905	D3-OHAN0925	D3-OHAN0935	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	711 Ohana Nui Circle	792 Ohana Nui Circle	807 Ohana Nui Circle	885 Ohana Nui Circle	904 Ohana Nui Circle	905 Ohana Nui Circle	925 Ohana Nui Circle	935 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0009456-22167-N	D3-TW-0009497-22167-N	D3-TW-0009507-22167-N	D3-TW-0009554-22167-N	D3-TW-0009559-22167-N	D3-TW-0009622-22167-N	D3-TW-0009634-22167-N	D3-TW-0009999-22167-N	
		Sample Date:	2022-07-12	2022-07-14	2022-07-14	2022-08-11	2022-09-22	2022-08-15	2022-08-12	2022-09-22	
		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	240	580	560	670	520	660	270	520
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	61.6	ND	59.8	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	61.6	ND	59.8	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.120	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.910	0.860	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.00	2.30	1.90	1.90	2.00	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	1.40	1.20	1.20	1.10	1.60	1.20	0.930	1.60
	Copper	1300	MCL	5.50	5.90	7.30	8.20	6.00	5.30	5.60	6.40
	Lead	15	MCL	ND	ND	0.540	0.380	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.30	3.40	3.20	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0711	D3-OHAN0792	D3-OHAN0807	D3-OHAN0885	D3-OHAN0904	D3-OHAN0905	D3-OHAN0925	D3-OHAN0935
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	711 Ohana Nui Circle	792 Ohana Nui Circle	807 Ohana Nui Circle	885 Ohana Nui Circle	904 Ohana Nui Circle	905 Ohana Nui Circle	925 Ohana Nui Circle	935 Ohana Nui Circle
		Field Sample ID:	D3-TW-0009456-22167-N	D3-TW-0009497-22167-N	D3-TW-0009507-22167-N	D3-TW-0009554-22167-N	D3-TW-0009559-22167-N	D3-TW-0009622-22167-N	D3-TW-0009634-22167-N	D3-TW-0009999-22167-N
		Sample Date:	2022-07-12	2022-07-14	2022-07-14	2022-08-11	2022-09-22	2022-08-15	2022-08-12	2022-09-22
		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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0711	D3-OHAN0792	D3-OHAN0807	D3-OHAN0885	D3-OHAN0904	D3-OHAN0905	D3-OHAN0925	D3-OHAN0935
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	711 Ohana Nui Circle	792 Ohana Nui Circle	807 Ohana Nui Circle	885 Ohana Nui Circle	904 Ohana Nui Circle	905 Ohana Nui Circle	925 Ohana Nui Circle	935 Ohana Nui Circle
		Field Sample ID:	D3-TW-0009456-22167-N	D3-TW-0009497-22167-N	D3-TW-0009507-22167-N	D3-TW-0009554-22167-N	D3-TW-0009559-22167-N	D3-TW-0009622-22167-N	D3-TW-0009634-22167-N	D3-TW-0009999-22167-N
		Sample Date:	2022-07-12	2022-07-14	2022-07-14	2022-08-11	2022-09-22	2022-08-15	2022-08-12	2022-09-22
		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	ND	0.340	ND	0.270	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.310	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.650	ND	0.270	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN0963	D3-OHAN0973	D3-OHAN0977	D3-OHAN0982	D3-OHAN0987		D3-OHAN0995	D3-OHAN0997	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	963 Ohana Nui Circle	973 Ohana Nui Circle	977 Ohana Nui Circle	982 Ohana Nui Circle	987 Ohana Nui Circle		995 Ohana Nui Circle	997 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0010013-22167-N	D3-TW-0010021-22167-N	D3-TW-0010025-22167-N	D3-TW-0010028-22167-N	D3-TW-0010033-22167-3-N	D3-TW-0010033-22167-N	D3-TW-0010037-22167-N	D3-TW-0010038-22167-N	
		Sample Date:	2022-08-11	2022-08-11	2022-08-15	2022-07-13	2022-07-13	2022-07-13	2022-07-15	2022-09-20	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	480	620	630	350	540	540	470	580
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	52.9	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	52.9	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.100	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.650	0.790	0.600	ND	ND
	Barium	2000	MCL	2.00	1.90	2.00	2.10	2.00	2.30	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	0.950	0.850	1.10	1.30	1.30	1.40	1.40	1.90
	Copper	1300	MCL	17.9	8.70	5.40	4.70	4.90	5.00	19.2	5.90
	Lead	15	MCL	2.30	0.200	ND	ND	ND	ND	0.260	0.210
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0300	ND	ND
	Selenium	50	MCL	ND	ND	0.320	0.890	1.10	0.990	1.00	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0963	D3-OHAN0973	D3-OHAN0977	D3-OHAN0982	D3-OHAN0987		D3-OHAN0995	D3-OHAN0997
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	963 Ohana Nui Circle	973 Ohana Nui Circle	977 Ohana Nui Circle	982 Ohana Nui Circle	987 Ohana Nui Circle		995 Ohana Nui Circle	997 Ohana Nui Circle
				Field Sample ID:	D3-TW-0010013-22167-N	D3-TW-0010021-22167-N	D3-TW-0010025-22167-N	D3-TW-0010028-22167-N	D3-TW-0010033-22167-3-N	D3-TW-0010033-22167-N	D3-TW-0010037-22167-N	D3-TW-0010038-22167-N
				Sample Date:	2022-08-11	2022-08-11	2022-08-15	2022-07-13	2022-07-13	2022-07-13	2022-07-15	2022-09-20
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0963	D3-OHAN0973	D3-OHAN0977	D3-OHAN0982	D3-OHAN0987		D3-OHAN0995	D3-OHAN0997
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	963 Ohana Nui Circle	973 Ohana Nui Circle	977 Ohana Nui Circle	982 Ohana Nui Circle	987 Ohana Nui Circle		995 Ohana Nui Circle	997 Ohana Nui Circle
				Field Sample ID:	D3-TW-0010013-22167-N	D3-TW-0010021-22167-N	D3-TW-0010025-22167-N	D3-TW-0010028-22167-N	D3-TW-0010033-22167-3-N	D3-TW-0010033-22167-N	D3-TW-0010037-22167-N	D3-TW-0010038-22167-N
				Sample Date:	2022-08-11	2022-08-11	2022-08-15	2022-07-13	2022-07-13	2022-07-13	2022-07-15	2022-09-20
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	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	1.60	ND	ND	ND	ND	ND	0.560	ND
	Bromoform	--	--	0.430	54.8	ND	ND	ND	ND	ND	7.40	ND
	Chloroform	--	--	ND	0.270	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.300	12.0	ND	ND	ND	ND	ND	3.10	ND
	Total Trihalomethanes	80	MCL	0.730	68.7	ND	ND	ND	ND	ND	11.1	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN1001	D3-OHAN1058	D3-OKIK0335	D3-OKIK0336	D3-OKIK0338	D3-PAKA0402	D3-PAKA0403	D3-PAKA0407	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1001 Ohana Nui Circle	1058 Ohana Nui Circle	335 Okika Street	336 Okika Street	338 Okika Street	402 Pakalana Street	403 Pakalana Street	407 Pakalana Street	
		Field Sample ID:	D3-TW-0010039-22167-N	D3-TW-0010070-22167-N	D3-TW-0009583-22167-N	D3-TW-0009584-22167-N	D3-TW-0009586-22167-N	D3-TW-0010321-22167-N	D3-TW-0010322-22167-N	D3-TW-0010326-22167-3-N	
		Sample Date:	2022-08-12	2022-09-16	2022-08-15	2022-09-01	2022-07-13	2022-09-22	2022-09-21	2022-09-20	
		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	480	550	550	450	430	540	510	590
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	51.7	ND	ND	59.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	51.7	ND	ND	59.8
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.590	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	2.00	1.90	2.20	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.900	2.00	1.20	1.70	1.50	1.80	1.90	2.20
	Copper	1300	MCL	4.40	13.2	15.0	5.40	6.50	6.70	9.50	6.90
	Lead	15	MCL	ND	0.240	2.50	ND	ND	ND	ND	0.270
	Mercury	2	MCL	ND	ND	ND	0.0910	0.0250	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	1.00	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN1001	D3-OHAN1058	D3-OKIK0335	D3-OKIK0336	D3-OKIK0338	D3-PAKA0402	D3-PAKA0403	D3-PAKA0407
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1001 Ohana Nui Circle	1058 Ohana Nui Circle	335 Okika Street	336 Okika Street	338 Okika Street	402 Pakalana Street	403 Pakalana Street	407 Pakalana Street
		Field Sample ID:	D3-TW-0010039-22167-N	D3-TW-0010070-22167-N	D3-TW-0009583-22167-N	D3-TW-0009584-22167-N	D3-TW-0009586-22167-N	D3-TW-0010321-22167-N	D3-TW-0010322-22167-N	D3-TW-0010326-22167-3-N
		Sample Date:	2022-08-12	2022-09-16	2022-08-15	2022-09-01	2022-07-13	2022-09-22	2022-09-21	2022-09-20
		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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-OHAN1001	D3-OHAN1058	D3-OKIK0335	D3-OKIK0336	D3-OKIK0338	D3-PAKA0402	D3-PAKA0403	D3-PAKA0407
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1001 Ohana Nui Circle	1058 Ohana Nui Circle	335 Okika Street	336 Okika Street	338 Okika Street	402 Pakalana Street	403 Pakalana Street	407 Pakalana Street
		Field Sample ID:	D3-TW-0010039-22167-N	D3-TW-0010070-22167-N	D3-TW-0009583-22167-N	D3-TW-0009584-22167-N	D3-TW-0009586-22167-N	D3-TW-0010321-22167-N	D3-TW-0010322-22167-N	D3-TW-0010326-22167-3-N
		Sample Date:	2022-08-12	2022-09-16	2022-08-15	2022-09-01	2022-07-13	2022-09-22	2022-09-21	2022-09-20
		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	0.320	ND	ND	ND	ND	ND
	Bromoform	--	--	0.330	2.80	ND	ND	0.620	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	1.30	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.640	4.42	ND	ND	0.620	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-PAKA0407	D3-PILO0185	D3-PUAK0272		D3-PUAK1004	D3-PUAP0204	D3-PUAP0207	D3-PUUL0104	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	407 Pakalana Street	185 Pilokea Court	272 Puakauhi Court		1004 Puakala Street	204 Puapilo Court	207 Puapilo Court	104 Puuloa Circle	
		Field Sample ID:	D3-TW-0010326-22167-N	D3-TW-0010352-22167-N	D3-TW-0010356-22167-3-N	D3-TW-0010356-22167-N	D3-TW-0010369-22167-N	D3-TW-0010391-22167-N	D3-TW-0010594-22167-N	D3-TW-0010613-22167-N	
		Sample Date:	2022-09-20	2022-07-12	2022-07-15	2022-07-15	2022-08-11	2022-08-15	2022-07-13	2022-09-22	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	590	470	420	420	550	600	420	460
Field Test (ppb)	Free Chlorine	4000	MCL	590	470	420	420	550	600	420	460
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	66.7	ND	57.3	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	77.7	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	144	ND	57.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.120	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.620	ND
	Barium	2000	MCL	2.10	1.90	2.00	1.90	1.90	1.90	2.00	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.40	1.20	1.40	1.40	0.900	1.10	1.30	1.70
	Copper	1300	MCL	5.90	44.7	23.4	22.5	8.60	25.5	46.0	38.6
	Lead	15	MCL	0.230	ND	ND	ND	0.150	ND	0.850	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0670	ND	ND
	Selenium	50	MCL	ND	2.60	0.700	0.650	ND	0.320	0.940	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	0.530	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				D3-PAKA0407	D3-PILO0185	D3-PUAK0272		D3-PUAK1004	D3-PUAP0204	D3-PUAP0207	D3-PUUL0104
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				407 Pakalana Street	185 Pilokea Court	272 Puakauhi Court		1004 Puakala Street	204 Puapilo Court	207 Puapilo Court	104 Puuloa Circle
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				D3-TW-0010326-22167-N	D3-TW-0010352-22167-N	D3-TW-0010356-22167-3-N	D3-TW-0010356-22167-N	D3-TW-0010369-22167-N	D3-TW-0010391-22167-N	D3-TW-0010594-22167-N	D3-TW-0010613-22167-N
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2022-09-20	2022-07-12	2022-07-15	2022-07-15	2022-08-11	2022-08-15	2022-07-13	2022-09-22
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-PAKA0407	D3-PILO0185	D3-PUAK0272		D3-PUAK1004	D3-PUAP0204	D3-PUAP0207	D3-PUUL0104
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence
		Address:	407 Pakalana Street	185 Pilokea Court	272 Puakauhi Court		1004 Puakala Street	204 Puapilo Court	207 Puapilo Court	104 Puuloa Circle
		Field Sample ID:	D3-TW-0010326-22167-N	D3-TW-0010352-22167-N	D3-TW-0010356-22167-3-N	D3-TW-0010356-22167-N	D3-TW-0010369-22167-N	D3-TW-0010391-22167-N	D3-TW-0010594-22167-N	D3-TW-0010613-22167-N
		Sample Date:	2022-09-20	2022-07-12	2022-07-15	2022-07-15	2022-08-11	2022-08-15	2022-07-13	2022-09-22
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	--	--	0.400	ND	ND	ND	0.390	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.320	ND	ND
	Total Trihalomethanes	80	MCL	0.400	ND	ND	ND	0.710	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-PUUL0108	D3-PUUL0110	D3-PUUL0116	D3-WELA0295	
		Location Type:	Residence	Residence	Residence	Residence	
		Address:	108 Puuloa Circle	110 Puuloa Circle	116 Puuloa Circle	295 Wela Loop	
		Field Sample ID:	D3-TW-0010615-22167-N	D3-TW-0010616-22167-N	D3-TW-0010619-22167-N	D3-TW-0010656-22167-N	
		Sample Date:	2022-09-20	2022-07-12	2022-07-13	2022-07-15	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	510	440	240	550
Field Test (ppb)	Free Chlorine	4000	MCL	510	440	240	550
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.100	ND
	Arsenic	10	MCL	ND	ND	0.680	ND
	Barium	2000	MCL	2.00	2.10	2.30	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	2.00	1.50	1.30	1.50
	Copper	1300	MCL	21.3	43.5	34.1	4.90
	Lead	15	MCL	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	ND	1.50	1.00	0.700
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:
				D3-PUUL0108	D3-PUUL0110	D3-PUUL0116	D3-WELA0295
				Residence	Residence	Residence	Residence
				Address:	Address:	Address:	Address:
				108 Puuloa Circle	110 Puuloa Circle	116 Puuloa Circle	295 Wela Loop
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				D3-TW-0010615-22167-N	D3-TW-0010616-22167-N	D3-TW-0010619-22167-N	D3-TW-0010656-22167-N
				Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2022-09-20	2022-07-12	2022-07-13	2022-07-15
				Sample Type:	Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Residences in Zone D3**

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

		Location ID:	D3-PUUL0108	D3-PUUL0110	D3-PUUL0116	D3-WELA0295	
		Location Type:	Residence	Residence	Residence	Residence	
		Address:	108 Puuloa Circle	110 Puuloa Circle	116 Puuloa Circle	295 Wela Loop	
		Field Sample ID:	D3-TW-0010615-22167-N	D3-TW-0010616-22167-N	D3-TW-0010619-22167-N	D3-TW-0010656-22167-N	
		Sample Date:	2022-09-20	2022-07-12	2022-07-13	2022-07-15	
		Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0001					Location ID: D3-BLDG0520			
				Location Type: School					Location Type: School			
				Address: Building 1, Assets School (1 Ohana Nui Way)					Address: Building 520, Chester Nimitz Elementary (520 Main St)			
				Field Sample ID:	D3-TW-0017506-22167-N-1	D3-TW-0017506-22167-N-2	D3-TW-0017506-22167-N-3	D3-TW-0017506-22167-N-4	D3-TW-0017506-22167-N-5	D3-TW-0017507-22167-N-1	D3-TW-0017507-22167-N-2	D3-TW-0017507-22167-N-3
				Sample Date:	2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-15	2022-08-15	2022-08-15
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	60.0-500	60.0-500	60.0-500	60.0-500	60.0-500	120-660	120-660	120-660	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.180	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.10	2.10	2.10	2.20	2.10	2.10	2.20	2.20	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	0.0770	ND	ND	ND	ND	
	Chromium	100	MCL	1.00	0.920	1.00	0.960	0.900	1.10	1.20	1.10	
	Copper	1300	MCL	95.3	63.8	70.4	45.4	96.8	30.7	179	69.6	
	Lead	15	MCL	0.160	0.270	0.250	0.370	0.410	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.110	0.0950	0.0450	
	Selenium	50	MCL	ND	ND	ND	0.300	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	



**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0001					Location ID: D3-BLDG0520			
				Location Type: School					Location Type: School			
				Address: Building 1, Assets School (1 Ohana Nui Way)					Address: Building 520, Chester Nimitz Elementary (520 Main St)			
				Field Sample ID:	D3-TW-0017506-22167-N-1	D3-TW-0017506-22167-N-2	D3-TW-0017506-22167-N-3	D3-TW-0017506-22167-N-4	D3-TW-0017506-22167-N-5	D3-TW-0017507-22167-N-1	D3-TW-0017507-22167-N-2	D3-TW-0017507-22167-N-3
				Sample Date:	2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-15	2022-08-15	2022-08-15
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-BLDG0001					D3-BLDG0520		
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
				Location ID: D3-BLDG0001					Location ID: D3-BLDG0520		
				Location Type: School					Location Type: School		
				Address: Building 1, Assets School (1 Ohana Nui Way)					Address: Building 520, Chester Nimitz Elementary (520 Main St)		
				D3-TW-0017506-22167-N-1	D3-TW-0017506-22167-N-2	D3-TW-0017506-22167-N-3	D3-TW-0017506-22167-N-4	D3-TW-0017506-22167-N-5	D3-TW-0017507-22167-N-1	D3-TW-0017507-22167-N-2	D3-TW-0017507-22167-N-3
				2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-12	2022-08-15	2022-08-15	2022-08-15
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	0.330
	Bromoform	--	--	0.760	0.500	0.440	0.650	0.710	0.310	1.50	1.50
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.290	0.420	0.360	0.520	0.470	0.250	0.690	1.00
	Total Trihalomethanes	80	MCL	1.05	0.920	0.800	1.17	1.18	0.560	2.19	2.83

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
				Location Type: School		Location Type: School					Location Type: School
				Address: Building 520, Chester Nimitz Elementary (520 Main St)		Address: Building 830, Holy Family Catholic Academy (830 Main St)					Address: Building 1309H, MOKULELE ELEM BLDG A, 250 Aupaka St
				D3-TW-0017507-22167-N-4	D3-TW-0017507-22167-N-5	D3-TW-0017509-22167-N-1	D3-TW-0017509-22167-N-2	D3-TW-0017509-22167-N-3	D3-TW-0017509-22167-N-4	D3-TW-0017509-22167-N-5	D3-TW-0015133-22167-N-1
				2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-16
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	120-660	120-660	80.0-850	80.0-850	80.0-850	80.0-850	80.0-850	560-620
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.280	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.30	2.50	2.40	3.80	2.40	2.60	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	0.0520	ND
	Chromium	100	MCL	1.20	1.10	1.10	1.10	ND	1.10	1.10	1.10
	Copper	1300	MCL	136	127	13.6	10.7	60.5	43.2	41.2	92.9
	Lead	15	MCL	ND	0.740	ND	ND	1.00	ND	ND	6.90
	Mercury	2	MCL	ND	ND	ND	ND	0.100	ND	0.0900	ND
	Selenium	50	MCL	ND	ND	0.410	ND	ND	ND	0.330	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	0.0510	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

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
				Location Type: School		Location Type: School					Location Type: School
				Address: Building 520, Chester Nimitz Elementary (520 Main St)		Address: Building 830, Holy Family Catholic Academy (830 Main St)					Address: Building 1309H, MOKULELE ELEM BLDG A, 250 Aupaka St
				D3-TW-0017507-22167-N-4	D3-TW-0017507-22167-N-5	D3-TW-0017509-22167-N-1	D3-TW-0017509-22167-N-2	D3-TW-0017509-22167-N-3	D3-TW-0017509-22167-N-4	D3-TW-0017509-22167-N-5	D3-TW-0015133-22167-N-1
				2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-15	2022-08-16
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	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
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H																	
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type													
				Location Type: School		Location Type: School					Location Type: School																	
				Address: Building 520, Chester Nimitz Elementary (520 Main St)		Address: Building 830, Holy Family Catholic Academy (830 Main St)					Address: Building 1309H, MOKULELE ELEM BLDG A, 250 Aupaka St																	
				D3-TW-0017507-22167-N-4	2022-08-15	N (Normal)	D3-TW-0017507-22167-N-5	2022-08-15	N (Normal)	D3-TW-0017509-22167-N-1	2022-08-15	N (Normal)	D3-TW-0017509-22167-N-2	2022-08-15	N (Normal)	D3-TW-0017509-22167-N-3	2022-08-15	N (Normal)	D3-TW-0017509-22167-N-4	2022-08-15	N (Normal)	D3-TW-0017509-22167-N-5	2022-08-15	N (Normal)	D3-TW-0015133-22167-N-1	2022-08-16	N (Normal)	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.850
	Bromoform	--	--	1.50	3.90	1.30	1.10	0.720	ND	0.330	9.60																	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.780	1.50	0.580	0.430	0.310	ND	ND	2.90																	
	Total Trihalomethanes	80	MCL	2.28	5.88	1.88	1.53	1.03	ND	0.330	13.4																	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

				Location ID: D3-BLDG1309H				
				Location Type: School				
				Address: Building 1309H,MOKULELE ELEM BLDG A, 250 Aupaka St				
				Field Sample ID:	D3-TW-0015133-22167-N-2	D3-TW-0015133-22167-N-3	D3-TW-0015133-22167-N-5	D3-TW-0015133-22167-N-6
				Sample Date:	2022-08-16	2022-08-16	2022-08-16	2022-08-16
				Sample Type:	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	560-620	560-620	560-620	560-620	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	0.310	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	2.00	2.00	2.00	2.20	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	1.20	1.10	1.10	1.10	
	Copper	1300	MCL	62.3	36.2	25.2	57.5	
	Lead	15	MCL	ND	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	0.450	0.600	0.460	0.500	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

		<b>Location ID:</b>	D3-BLDG1309H				
		<b>Location Type:</b>	School				
		<b>Address:</b>	Building 1309H,MOKULELE ELEM BLDG A, 250 Aupaka St				
		<b>Field Sample ID:</b>	D3-TW-0015133-22167-N-2	D3-TW-0015133-22167-N-3	D3-TW-0015133-22167-N-5	D3-TW-0015133-22167-N-6	
		<b>Sample Date:</b>	2022-08-16	2022-08-16	2022-08-16	2022-08-16	
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>				
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	
Vinyl chloride	2	MCL	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Schools in Zone D3**

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

				<b>Location ID:</b> D3-BLDG1309H			
				<b>Location Type:</b> School			
				<b>Address:</b> Building 1309H,MOKULELE ELEM BLDG A, 250 Aupaka St			
				<b>Field Sample ID:</b> D3-TW-0015133-22167-N-2	D3-TW-0015133-22167-N-3	D3-TW-0015133-22167-N-5	D3-TW-0015133-22167-N-6
				<b>Sample Date:</b> 2022-08-16	2022-08-16	2022-08-16	2022-08-16
				<b>Sample Type:</b> N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>				
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	0.460	0.330	ND	0.820
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.350	0.270	ND	0.510
	Total Trihalomethanes	80	MCL	0.810	0.600	ND	1.33



**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-BLDG0515			D3-BLDG1330H			D3-BLDG1335H	
				Location ID:	Location Type:	Address:	Location ID:	Location Type:	Address:	Location ID:	Location Type:
				D3-TW-0017510-22167-3-N-2	D3-TW-0017510-22167-N-1	D3-TW-0017510-22167-N-2	D3-TW-0015139-22167-3-N-2	D3-TW-0015139-22167-N-1	D3-TW-0015139-22167-N-2	D3-TW-0015141-22167-3-N-1	D3-TW-0015141-22167-N-1
				2022-09-20	2022-09-20	2022-09-20	2022-10-13	2022-10-13	2022-10-13	2022-08-16	2022-08-16
				FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
				Building 515, Pearl Harbor Church of Christ (515 Main St)			Building 1330H, YOUTH CENTER, 234 Melick Ave			Building 1335H, SCHOOL AGE CENTER - CDC (850 Ticonderoga St)	
				280-300	280-300	280-300	230-250	230-250	230-250	190-360	190-360
Field Test (ppb)	Free Chlorine	4000	MCL	280-300	280-300	280-300	230-250	230-250	230-250	190-360	190-360
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	58.9	57.0	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	58.9	57.0	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.290	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.20	2.30	5.30	5.30	5.30	3.30	3.20
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.00	2.10	2.00	1.80	3.10	1.70	1.10	1.20
	Copper	1300	MCL	5.80	29.3	5.90	135	136	130	177	176
	Lead	15	MCL	0.180	0.370	0.190	0.170	0.500	0.160	0.540	0.570
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	0.300	0.470
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

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-BLDG0515 Child Development Center Building 515, Pearl Harbor Church of Christ (515 Main St)			D3-BLDG1330H Child Development Center Building 1330H, YOUTH CENTER, 234 Melick Ave			D3-BLDG1335H Child Development Center Building 1335H, SCHOOL AGE CENTER - CDC (850 Ticonderoga St)		
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type
Volatile Organic Compounds (ppb)	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
	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	0.380	0.400
	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	

**Summary of Chemistry Results  
 Zone D3 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0515			Location ID: D3-BLDG1330H			Location ID: D3-BLDG1335H																					
				Location Type: Child Development Center	Address: Building 515, Pearl Harbor Church of Christ (515 Main St)	Field Sample ID: D3-TW-0017510-22167-3-N-2	Sample Date: 2022-09-20	Sample Type: FD (Field Duplicate)	Field Sample ID: D3-TW-0017510-22167-N-1	Sample Date: 2022-09-20	Sample Type: N (Normal)	Field Sample ID: D3-TW-0017510-22167-N-2	Sample Date: 2022-09-20	Sample Type: N (Normal)	Field Sample ID: D3-TW-0015139-22167-3-N-2	Sample Date: 2022-10-13	Sample Type: FD (Field Duplicate)	Field Sample ID: D3-TW-0015139-22167-N-1	Sample Date: 2022-10-13	Sample Type: N (Normal)	Field Sample ID: D3-TW-0015139-22167-N-2	Sample Date: 2022-10-13	Sample Type: N (Normal)	Field Sample ID: D3-TW-0015141-22167-3-N-1	Sample Date: 2022-08-16	Sample Type: FD (Field Duplicate)	Field Sample ID: D3-TW-0015141-22167-N-1	Sample Date: 2022-08-16	Sample Type: N (Normal)		
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.380	0.400	ND	ND	ND	ND		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.410	0.410	0.460	ND	ND	ND	ND	ND	0.340	0.330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	2.00	1.60	2.30	1.40	1.50	1.40	2.70	3.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.40	1.10	1.50	0.680	0.850	0.730	1.10	1.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	3.81	3.11	4.26	2.08	2.35	2.13	4.14	4.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1586H				D3-BLDG1654H		D3-BLDG3950		
				D3-BLDG1335H	Child Development Center				Child Development Center		Child Development Center		
				Location Type:	Child Development Center				Child Development Center		Child Development Center		
				Address:	Building 1335H,SCHOOL AGE CENTER - CDC (850 Ticonderoga St)	Building 1586H,CHILD DEVELOPMENT CENTER-HICKAM MAIN CDC (80 Liliwai St)				Building 1654H,CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)		Building 3950, Trinity Missionary Baptist Church (3950 Paine Cir)	
				Field Sample ID:	D3-TW-0015141-22167-N-2	D3-TW-0015143-22167-3-N-1	D3-TW-0015143-22167-N-1	D3-TW-0015143-22167-N-2	D3-TW-0015153-22167-N-1	D3-TW-0015153-22167-N-2	D3-TW-0017511-22167-N-1	D3-TW-0017511-22167-N-2	
				Sample Date:	2022-08-16	2022-08-12	2022-08-12	2022-08-12	2022-10-13	2022-10-13	2022-09-13	2022-09-13	
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	190-360	450-690	450-690	450-690	60.0-660	60.0-660	20.0-30.0	20.0-30.0		
Field Test (ppb)	Free Chlorine	4000	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	220	230		
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	52.8	65.3	ND	ND	ND		
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND		
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND		
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	52.8	65.3	ND	ND	ND		
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Barium	2000	MCL	3.40	1.90	2.00	1.90	2.00	2.00	2.70	2.80		
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Chromium	100	MCL	1.20	0.940	1.00	0.920	1.90	1.50	1.90	2.10		
	Copper	1300	MCL	39.6	5.10	7.50	28.5	32.7	158	15.8	52.9		
	Lead	15	MCL	ND	ND	ND	0.350	ND	0.620	0.220	0.130		
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Selenium	50	MCL	0.600	ND	0.450	0.420	ND	ND	ND	ND		
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND			
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND		
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND		
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND		

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1586H				D3-BLDG1654H		D3-BLDG3950	
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
				D3-BLDG1335H Child Development Center Building 1335H,SCHOOL AGE CENTER - CDC (850 Ticonderoga St)	Child Development Center Building 1586H,CHILD DEVELOPMENT CENTER-HICKAM MAIN CDC (80 Liliwai St)				Child Development Center Building 1654H,CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)		Child Development Center Building 3950, Trinity Missionary Baptist Church (3950 Paine Cir)	
				D3-TW-0015141-22167-N-2 2022-08-16 N (Normal)	D3-TW-0015143-22167-3-N-1 2022-08-12 FD (Field Duplicate)	D3-TW-0015143-22167-N-1 2022-08-12 N (Normal)	D3-TW-0015143-22167-N-2 2022-08-12 N (Normal)	D3-TW-0015153-22167-N-1 2022-10-13 N (Normal)	D3-TW-0015153-22167-N-2 2022-10-13 N (Normal)	D3-TW-0017511-22167-N-1 2022-09-13 N (Normal)	D3-TW-0017511-22167-N-2 2022-09-13 N (Normal)	
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	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1586H				D3-BLDG1654H		D3-BLDG3950	
				Location Type:	Child Development Center				Child Development Center		Child Development Center	
				Address:	Building 1586H,CHILD DEVELOPMENT CENTER-HICKAM MAIN CDC (80 Liliwai St)				Building 1654H,CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)		Building 3950, Trinity Missionary Baptist Church (3950 Paine Cir)	
				Field Sample ID:	D3-TW-0015141-22167-N-2	D3-TW-0015143-22167-3-N-1	D3-TW-0015143-22167-N-1	D3-TW-0015143-22167-N-2	D3-TW-0015153-22167-N-1	D3-TW-0015153-22167-N-2	D3-TW-0017511-22167-N-1	D3-TW-0017511-22167-N-2
				Sample Date:	2022-08-16	2022-08-12	2022-08-12	2022-08-12	2022-10-13	2022-10-13	2022-09-13	2022-09-13
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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	0.800	0.840	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	5.30	5.30	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	6.10	6.14
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.350	ND	ND	ND	ND	ND	1.90	1.80	
	Bromoform	--	--	1.80	ND	0.750	ND	ND	1.30	16.4	15.5	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	0.470	0.490	
	Dibromochloromethane	--	--	1.20	ND	0.370	ND	ND	0.410	6.30	5.80	
	Total Trihalomethanes	80	MCL	3.35	ND	1.12	ND	ND	ND	1.71	25.1	23.6

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG0841	D3-BLDG1713H	D3-BLDG1720H	D3-BLDG1724H	D3-BLDG1750H		D3-BLDG1850H	D3-BLDG1851H
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 841,FLEET RESERVE ASSOCIATION UNIT 46	Building 1713H,REC SUP/HSG SUP	Building 1720H,EXCH GARAGE	Building 1724H,GSA	Building 1750H,CHAPEL CENTER		Building 1850H,BINNICKER PME CENTER	Building 1851H,FIRST TERM AIRMEN'S CENTER
					D3-TW-0015126-22167-N	D3-TW-0015158-22167-N	D3-TW-0015159-22167-N	D3-TW-0015162-22167-N	D3-TW-0015166-22167-3-N	D3-TW-0015166-22167-N	D3-TW-0015182-22167-N	D3-TW-0015183-22167-N
					2022-09-14	2022-09-13	2022-10-13	2022-10-13	2022-09-15	2022-09-15	2022-09-15	2022-10-13
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	210	280	570	1000	380	380	460	120	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	51.3	59.5	ND	ND	ND	50.3	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	51.3	59.5	ND	ND	ND	50.3	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.610	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.500	ND	
	Barium	2000	MCL	2.20	2.10	2.00	2.20	3.40	3.30	2.20	3.40	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.80	1.90	1.80	1.90	1.70	1.90	1.70	1.70	
	Copper	1300	MCL	98.7	3.90	5.90	39.7	66.2	68.3	54.0	32.0	
	Lead	15	MCL	0.170	ND	ND	0.260	ND	ND	0.510	0.820	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	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		

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG0841	D3-BLDG1713H	D3-BLDG1720H	D3-BLDG1724H	D3-BLDG1750H		D3-BLDG1850H	D3-BLDG1851H		
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
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	0.370	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG0841	D3-BLDG1713H	D3-BLDG1720H	D3-BLDG1724H	D3-BLDG1750H		D3-BLDG1850H	D3-BLDG1851H
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Building 841,FLEET RESERVE ASSOCIATION UNIT 46	Building 1713H,REC SUP/HSG SUP	Building 1720H,EXCH GARAGE	Building 1724H,GSA	Building 1750H,CHAPEL CENTER		Building 1850H,BINNICKER PME CENTER	Building 1851H,FIRST TERM AIRMEN'S CENTER
					D3-TW-0015126-22167-N	D3-TW-0015158-22167-N	D3-TW-0015159-22167-N	D3-TW-0015162-22167-N	D3-TW-0015166-22167-3-N	D3-TW-0015166-22167-N	D3-TW-0015182-22167-N	D3-TW-0015183-22167-N
					2022-09-14	2022-09-13	2022-10-13	2022-10-13	2022-09-15	2022-09-15	2022-09-15	2022-10-13
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	0.570
	Bromoform	--	--	0.850	ND	ND	ND	0.480	0.570	0.660	5.00	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.400	ND	ND	ND	0.280	0.260	0.390	2.10	
	Total Trihalomethanes	80	MCL	1.25	ND	ND	ND	0.760	0.830	1.05	7.67	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1854H	D3-BLDG1864H	D3-BLDG2105H	D3-BLDG3456	D3-BLDG4002H	D3-BLDG4008H
				Location Type:	Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 1854H,DORM AIRMAN PERM PARTY	BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	Building 2105H,GOLF CLUBHOUSE	Building 3456,FLEET FAMILY READINESS FAC	Building 4002H,HOBBY SHOP AUTOMOTIVE	Building 4008H,SANITARY LATRINE
				Field Sample ID:	D3-TW-0015184-22167-N	D3-TW-0014166-22167-N	D3-TW-0015193-22167-N	D3-TW-0015214-22167-N	D3-TW-0015215-22167-N	D3-TW-0015217-22167-N
				Sample Date:	2022-09-15	2022-08-16	2022-09-14	2022-09-15	2022-10-13	2022-10-13
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	270	310	350	260	40.0	410	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	61.0	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	61.0	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.10	2.00	2.10	2.50	4.00	2.10	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.80	1.20	1.80	1.70	1.30	1.80	
	Copper	1300	MCL	42.0	210	38.5	35.4	71.8	16.3	
	Lead	15	MCL	0.690	ND	0.280	0.130	0.310	0.260	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	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	

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1854H	D3-BLDG1864H	D3-BLDG2105H	D3-BLDG3456	D3-BLDG4002H	D3-BLDG4008H
				Location Type:	Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 1854H,DORM AIRMAN PERM PARTY	BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	Building 2105H,GOLF CLUBHOUSE	Building 3456,FLEET FAMILY READINESS FAC	Building 4002H,HOBBY SHOP AUTOMOTIVE	Building 4008H,SANITARY LATRINE
				Field Sample ID:	D3-TW-0015184-22167-N	D3-TW-0014166-22167-N	D3-TW-0015193-22167-N	D3-TW-0015214-22167-N	D3-TW-0015215-22167-N	D3-TW-0015217-22167-N
				Sample Date:	2022-09-15	2022-08-16	2022-09-14	2022-09-15	2022-10-13	2022-10-13
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND
	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

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone D3**

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

		<b>Location ID:</b>	D3-BLDG1854H	D3-BLDG1864H	D3-BLDG2105H	D3-BLDG3456	D3-BLDG4002H	D3-BLDG4008H
		<b>Location Type:</b>	Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		<b>Address:</b>	Building 1854H,DORM AIRMAN PERM PARTY	BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	Building 2105H,GOLF CLUBHOUSE	Building 3456,FLEET FAMILY READINESS FAC	Building 4002H,HOBBY SHOP AUTOMOTIVE	Building 4008H,SANITARY LATRINE
		<b>Field Sample ID:</b>	D3-TW-0015184- 22167-N	D3-TW-0014166- 22167-N	D3-TW-0015193- 22167-N	D3-TW-0015214- 22167-N	D3-TW-0015215- 22167-N	D3-TW-0015217- 22167-N
		<b>Sample Date:</b>	2022-09-15	2022-08-16	2022-09-14	2022-09-15	2022-10-13	2022-10-13
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>					
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	0.280	ND
	Bromoform	--	--	0.700	0.610	ND	0.670	0.480
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	0.360	ND	0.420	0.380
	Total Trihalomethanes	80	MCL	1.01	0.970	ND	1.09	4.08

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone D3**

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

		Location ID:	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222	D3-HYD0411	D3-HYD0520	D3-HYD0592	D3-HYD2080	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH 188	FH 213	FH 219	FH 222	FH 411	FH 520	FH 592	FH ID: 473	
		Field Sample ID:	D3-DL-0017729-22167 -N	D3-DL-0017735-22167 -N	D3-DL-0017733-22167 -N	D3-DL-0017730-22167 -N	D3-DL-0017731-22167 -N	D3-DL-0017734-22167 -N	D3-DL-0017732-22167 -N	D3-DL-0000547-22167 -N	
		Sample Date:	2022-07-13	2022-08-29	2022-08-29	2022-08-29	2022-07-13	2022-08-29	2022-08-29	2022-08-29	
		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	310	470	550	410	560	590	560	430
Field Test (ppb)	Free Chlorine	4000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	0.590	ND	ND	ND	0.710	ND	ND	ND
	Barium	2000	MCL	2.10	2.00	2.00	2.10	2.00	2.00	2.20	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.20	1.40	1.40	1.30	1.30	1.50	1.60	1.30
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.900	ND	ND	ND	0.960	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	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 D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone D3**

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

		Location ID:	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222	D3-HYD0411	D3-HYD0520	D3-HYD0592	D3-HYD2080	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH 188	FH 213	FH 219	FH 222	FH 411	FH 520	FH 592	FH ID: 473	
		Field Sample ID:	D3-DL-0017729-22167 -N	D3-DL-0017735-22167 -N	D3-DL-0017733-22167 -N	D3-DL-0017730-22167 -N	D3-DL-0017731-22167 -N	D3-DL-0017734-22167 -N	D3-DL-0017732-22167 -N	D3-DL-0000547-22167 -N	
		Sample Date:	2022-07-13	2022-08-29	2022-08-29	2022-08-29	2022-07-13	2022-08-29	2022-08-29	2022-08-29	
		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	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222	D3-HYD0411	D3-HYD0520	D3-HYD0592	D3-HYD2080
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone D3 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone D3**

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

		Location ID:	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222	D3-HYD0411	D3-HYD0520	D3-HYD0592	D3-HYD2080
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH 188	FH 213	FH 219	FH 222	FH 411	FH 520	FH 592	FH ID: 473
		Field Sample ID:	D3-DL-0017729-22167 -N	D3-DL-0017735-22167 -N	D3-DL-0017733-22167 -N	D3-DL-0017730-22167 -N	D3-DL-0017731-22167 -N	D3-DL-0017734-22167 -N	D3-DL-0017732-22167 -N	D3-DL-0000547-22167 -N
		Sample Date:	2022-07-13	2022-08-29	2022-08-29	2022-08-29	2022-07-13	2022-08-29	2022-08-29	2022-08-29
		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							
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	0.250	ND	3.90	0.380
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	0.960	0.300
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.250	ND	4.86	0.680