

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Residences in Zone E1

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

		Location ID:	E1-HALA0031	E1-HALA0053	E1-KAMA4774	E1-MAKA0024	E1-MAKA0034	
		Location Type:	Residence	Residence	Residence	Residence	Residence	
		Address:	31 Halawa Drive	53 Halawa Drive	4774 Kamakani Place	24 Makalapa Drive	34 Makalapa Drive	
		Field Sample ID:	E1-TW-0010668-22127-N	E1-TW-0010685-22127-N	E1-TW-0010687-22127-N	E1-TW-0010708-22127-N	E1-TW-0010717-22127-N	
		Sample Date:	2022-05-19	2022-05-19	2022-05-24	2022-05-20	2022-05-24	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	410	200	470	480	520
Field Test (ppb)	Free Chlorine	4000	MCL	410	200	470	480	520
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	2.00	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.960	1.10	0.840	0.940	0.910
	Copper	1300	MCL	63.7	26.1	7.60	20.0	9.70
	Lead	15	MCL	ND	0.250	ND	0.130	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.510	0.410	2.00	1.80	1.50
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:
				E1-HALA0031	E1-HALA0053	E1-KAMA4774	E1-MAKA0024	E1-MAKA0034
				Residence	Residence	Residence	Residence	Residence
				31 Halawa Drive	53 Halawa Drive	4774 Kamakani Place	24 Makalapa Drive	34 Makalapa Drive
				E1-TW-0010668-22127-N	E1-TW-0010685-22127-N	E1-TW-0010687-22127-N	E1-TW-0010708-22127-N	E1-TW-0010717-22127-N
				2022-05-19	2022-05-19	2022-05-24	2022-05-20	2022-05-24
				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
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND

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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:	E1-HALA0031	E1-HALA0053	E1-KAMA4774	E1-MAKA0024	E1-MAKA0034
				Location Type:	Residence	Residence	Residence	Residence	Residence
				Address:	31 Halawa Drive	53 Halawa Drive	4774 Kamakani Place	24 Makalapa Drive	34 Makalapa Drive
				Field Sample ID:	E1-TW-0010668-22127-N	E1-TW-0010685-22127-N	E1-TW-0010687-22127-N	E1-TW-0010708-22127-N	E1-TW-0010717-22127-N
				Sample Date:	2022-05-19	2022-05-19	2022-05-24	2022-05-20	2022-05-24
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Schools in Zone E1

Notes:
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:		E1-BLDG0364				
		Location Type:		School				
		Address:		Building 364,NAVY HALE KEIKI SCHOOL, 153 Bougainville Dr				
		Field Sample ID:		E1-TW-0015244-22127-N-1	E1-TW-0015244-22127-N-2	E1-TW-0015244-22127-N-3	E1-TW-0015244-22127-N-4	E1-TW-0015244-22127-N-5
		Sample Date:		2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20
		Sample Type:		N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Field Test (ppb)	Free Chlorine	4000	MCL	160-460	160-460	160-460	160-460	160-460
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.140	ND	ND	0.150
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.20	2.10	2.00	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.960	0.990	0.940	0.920	0.960
	Copper	1300	MCL	11.2	28.3	40.5	14.8	14.6
	Lead	15	MCL	0.140	0.210	0.340	0.260	0.480
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.30	0.520	0.990	0.760	0.630
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND

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N (Grab, Resample) = Additional follow-up sample

		Location ID:	E1-BLDG0364					
		Location Type:	School					
		Address:	Building 364,NAVY HALE KEIKI SCHOOL, 153 Bougainville Dr					
		Field Sample ID:	E1-TW-0015244-22127-N-1	E1-TW-0015244-22127-N-2	E1-TW-0015244-22127-N-3	E1-TW-0015244-22127-N-4	E1-TW-0015244-22127-N-5	
		Sample Date:	2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND

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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

				Location ID: E1-BLDG0364					
				Location Type: School					
				Address: Building 364,NAVY HALE KEIKI SCHOOL, 153 Bougainville Dr					
				Field Sample ID:	E1-TW-0015244-22127-N-1	E1-TW-0015244-22127-N-2	E1-TW-0015244-22127-N-3	E1-TW-0015244-22127-N-4	E1-TW-0015244-22127-N-5
				Sample Date:	2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	0.790	ND	0.950	0.970	
	Chloroform	--	--	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	ND	0.790	ND	0.950	0.970	

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Child Development Centers in Zone E1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: E1-BLDG0081	
				Location Type: Child Development Center	Address: Building 81, CHILD CARE CTR/CPF PAO Montessori Center, 45 Makalapa Drive
				Field Sample ID: E1-TW-0015290-22127-N-3	E1-TW-0015290-22127-N-4
				Sample Date: 2022-05-23	2022-05-23
				Sample Type: N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	170-320	170-320
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	1.90	1.90
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.20	1.20
	Copper	1300	MCL	27.2	12.1
	Lead	15	MCL	ND	0.270
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	1.20	ND
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND

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Location ID:	E1-BLDG0081	
Location Type:	Child Development Center	
Address:	Building 81,CHILD CARE CTR/CPF PAO Montessori Center, 45 Makalapa Drive	
Field Sample ID:	E1-TW-0015290- 22127-N-3	E1-TW-0015290- 22127-N-4
Sample Date:	2022-05-23	2022-05-23
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
trans-1,2-Dichloroethene	100	MCL	ND	ND	
Trichloroethene (TCE)	5	MCL	ND	ND	

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Location ID:	E1-BLDG0081	
Location Type:	Child Development Center	
Address:	Building 81,CHILD CARE CTR/CPF PAO Montessori Center, 45 Makalapa Drive	
Field Sample ID:	E1-TW-0015290- 22127-N-3	E1-TW-0015290- 22127-N-4
Sample Date:	2022-05-23	2022-05-23
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	ND
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Other Buildings in Zone E1

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-BLDG0250	E1-BLDG0251	E1-BLDG0398	E1-BLDG0402
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 250,COMPACFLT HQ	Building 251,COMPACFLT OFFICE	Building 398,NAVWESTOCEA NCEN BLDG	Building 402,ADMIN OFFICE-MAKALAPA
				Field Sample ID:	E1-TW-0015293- 22127-N	E1-TW-0015294- 22127-N	E1-TW-0015265- 22127-N	E1-TW-0015268- 22127-N
				Sample Date:	2022-05-25	2022-05-19	2022-05-23	2022-05-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	470	390	560	
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)	--	--	50.6	ND	ND	ND	
	Petroleum Hydrocarbons, Total	211	ISP	50.6	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	2.90	2.20	2.60	1.70	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	0.840	0.750	1.20	1.10	
	Copper	1300	MCL	8.20	26.7	55.4	13.8	
	Lead	15	MCL	ND	ND	ND	0.230	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	1.10	
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	

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Other Buildings in Zone E1

Notes:
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-BLDG0250	E1-BLDG0251	E1-BLDG0398	E1-BLDG0402
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 250,COMPACFLT HQ	Building 251,COMPACFLT OFFICE	Building 398,NAVWESTOCEA NCEN BLDG	Building 402,ADMIN OFFICE-MAKALAPA
				Field Sample ID:	E1-TW-0015293- 22127-N	E1-TW-0015294- 22127-N	E1-TW-0015265- 22127-N	E1-TW-0015268- 22127-N
				Sample Date:	2022-05-25	2022-05-19	2022-05-23	2022-05-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Other Buildings in Zone E1

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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-BLDG0250	E1-BLDG0251	E1-BLDG0398	E1-BLDG0402
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 250,COMPACFLT HQ	Building 251,COMPACFLT OFFICE	Building 398,NAVWESTOCEA NCEN BLDG	Building 402,ADMIN OFFICE-MAKALAPA
				Field Sample ID:	E1-TW-0015293- 22127-N	E1-TW-0015294- 22127-N	E1-TW-0015265- 22127-N	E1-TW-0015268- 22127-N
				Sample Date:	2022-05-25	2022-05-19	2022-05-23	2022-05-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.520	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	1.80	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.650	ND	1.40	ND	ND
	Total Trihalomethanes	80	MCL	1.20	ND	3.20	ND	ND

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone E1

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		Location ID:	E1-HYD1081	E1-HYD1216	E1-HYD2249		E1-HYD2250	
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	
		Address:	Hydrant 920	FH 1216	FH ID: 933		FH 2250	
		Field Sample ID:	E1-DL-0017787-22127 -N	E1-DL-0017799-22127 -N	E1-DL-0000589-22127 -3-N	E1-DL-0000589-22127 -N	E1-DL-0017800-22127 -N	
		Sample Date:	2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20	
		Sample Type:	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	40.0	60.0	330	330	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.130	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	6.30	11.1	2.80	2.80	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	0.560	0.540	1.00
	Copper	1300	MCL	5.90	0.800	1.70	1.80	2.30
	Lead	15	MCL	ND	0.220	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.950	0.600	0.600
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone E1

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		Location ID:	E1-HYD1081	E1-HYD1216	E1-HYD2249		E1-HYD2250
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant
		Address:	Hydrant 920	FH 1216	FH ID: 933		FH 2250
		Field Sample ID:	E1-DL-0017787-22127 -N	E1-DL-0017799-22127 -N	E1-DL-0000589-22127 -3-N	E1-DL-0000589-22127 -N	E1-DL-0017800-22127 -N
		Sample Date:	2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	1.60	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND

**Summary of Chemistry Results
 Zone E1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in May 2022 from Fire Hydrants in Zone E1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-HYD1081	E1-HYD1216	E1-HYD2249		E1-HYD2250
				Location Type:	Hydrant	Hydrant	Hydrant		Hydrant
				Address:	Hydrant 920	FH 1216	FH ID: 933		FH 2250
				Field Sample ID:	E1-DL-0017787-22127 -N	E1-DL-0017799-22127 -N	E1-DL-0000589-22127 -3-N	E1-DL-0000589-22127 -N	E1-DL-0017800-22127 -N
				Sample Date:	2022-05-20	2022-05-20	2022-05-20	2022-05-20	2022-05-20
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	1.60	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.770	1.80	ND	ND	ND	ND
	Bromoform	--	--	4.50	24.5	ND	ND	ND	ND
	Chloroform	--	--	ND	0.510	ND	ND	ND	ND
	Dibromochloromethane	--	--	2.60	6.40	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	7.90	33.3	ND	ND	ND	ND