

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

Drinking Water Samples Collected in March 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-KAMA4777		E1-KAMA4791	E1-MAKA0030	E1-MAKI0002
				E1-HALA0027	Residence		Residence	Residence	Residence
				Residence	4777 Kamakani Place		4791 Kamakani Place	30 Makalapa Drive	2 Makin Place
				Address: 27 Halawa Drive	Address: 4777 Kamakani Place		Address: 4791 Kamakani Place	Address: 30 Makalapa Drive	Address: 2 Makin Place
				Field Sample ID: E1-TW-0000365-22067-N	E1-TW-0010688-22067-3-N	E1-TW-0010688-22067-N	E1-TW-0010691-22067-N	E1-TW-0010713-22067-N	E1-TW-0010723-22067-N
				Sample Date: 2022-03-21	2022-03-18	2022-03-18	2022-03-21	2022-03-18	2022-03-21
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	490	640	640	640	480	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	450	ND	ND	440	520	530
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	59.7	ND	ND	58.3	52.5	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	59.7	ND	ND	58.3	52.5	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.10	2.10	1.90	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.40	1.20	1.30	1.20	1.40	ND
	Copper	1300	MCL	122	12.1	13.4	13.0	94.1	40.6
	Lead	15	MCL	0.290	0.150	0.230	ND	0.550	0.790
	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
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-KAMA4777		E1-KAMA4791	E1-MAKA0030	E1-MAKI0002
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
				E1-HALA0027 Residence 27 Halawa Drive E1-TW-0000365-22067-N 2022-03-21 N (Normal)	E1-KAMA4777 Residence 4777 Kamakani Place E1-TW-0010688-22067-3-N 2022-03-18 FD (Field Duplicate)	E1-TW-0010688-22067-N 2022-03-18 N (Normal)	E1-KAMA4791 Residence 4791 Kamakani Place E1-TW-0010691-22067-N 2022-03-21 N (Normal)	E1-MAKA0030 Residence 30 Makalapa Drive E1-TW-0010713-22067-N 2022-03-18 N (Normal)	E1-MAKI0002 Residence 2 Makin Place E1-TW-0010723-22067-N 2022-03-21 N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-KAMA4777		E1-KAMA4791	E1-MAKA0030	E1-MAKI0002														
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:									
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	E1-HALA0027 Residence 27 Halawa Drive	E1-TW-0000365-22067-N	2022-03-21	N (Normal)	E1-TW-0010688-22067-3-N	2022-03-18	FD (Field Duplicate)	E1-TW-0010688-22067-N	2022-03-18	N (Normal)	E1-TW-0010691-22067-N	2022-03-21	N (Normal)	E1-TW-0010713-22067-N	2022-03-18	N (Normal)	E1-TW-0010723-22067-N	2022-03-21	N (Normal)	
	Total Haloacetic acids	60	MCL																				
Trihalomethanes (ppb)	Bromodichloromethane	--	--																				
	Bromoform	--	--																				
	Chloroform	--	--																				
	Dibromochloromethane	--	--																				
	Total Trihalomethanes	80	MCL																				

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

Drinking Water Samples Collected in March and April 2022 from Schools in Zone E1

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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-0015244-22067-N-1	E1-TW-0015244-22067-N-1-R1	E1-TW-0015244-22067-N-2	E1-TW-0015244-22067-N-3	E1-TW-0015244-22067-N-4	E1-TW-0015244-22067-N-5	E1-TW-0015244-22067-N-6
				Sample Date:	2022-03-18	2022-04-07	2022-03-18	2022-03-18	2022-03-18	2022-03-18	2022-04-07
				Sample Type:	N (Normal)	N (Grab, Resample)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	10.0-500	460-600	10.0-500	10.0-500	10.0-500	10.0-500	10.0-500	460-600
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	--	400	ND	490	ND	--	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	118	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	120	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	238 §	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	--	ND	ND	ND	ND	ND	--
	Arsenic	10	MCL	ND	--	ND	ND	ND	ND	ND	--
	Barium	2000	MCL	2.20	--	2.40	2.30	2.20	2.40	--	
	Beryllium	4	MCL	ND	--	ND	ND	ND	ND	ND	--
	Cadmium	5	MCL	0.0800	--	ND	ND	ND	ND	ND	--
	Chromium	100	MCL	1.00	--	1.10	1.10	1.10	1.10	--	
	Copper	1300	MCL	27.5	--	80.6	89.6	31.3	180	--	
	Lead	15	MCL	0.240	--	0.980	1.20	0.320	0.510	--	
	Mercury	2	MCL	ND	--	ND	ND	ND	ND	ND	--
	Selenium	50	MCL	ND	--	ND	ND	ND	ND	ND	--
Thallium	2	MCL	ND	--	ND	ND	ND	ND	ND	--	
Synthetic Organic Compounds (ppb)	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	--
	Naphthalene	17	EAL	ND	--	ND	ND	ND	ND	ND	--
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	--	ND	ND	ND	ND	ND	--
	1,1,2-Trichloroethane	5	MCL	ND	--	ND	ND	ND	ND	ND	--

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				Location ID: E1-BLDG0364							
				Location Type: School							
				Address: Building 364,NAVY HALE KEIKI SCHOOL, 153 Bougainville Dr							
				Field Sample ID:	E1-TW-0015244-22067-N-1	E1-TW-0015244-22067-N-1-R1	E1-TW-0015244-22067-N-2	E1-TW-0015244-22067-N-3	E1-TW-0015244-22067-N-4	E1-TW-0015244-22067-N-5	E1-TW-0015244-22067-N-6
				Sample Date:	2022-03-18	2022-04-07	2022-03-18	2022-03-18	2022-03-18	2022-03-18	2022-04-07
				Sample Type:	N (Normal)	N (Grab, Resample)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)
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	ND	--
	1,2,4-Trichlorobenzene	70	MCL	ND	--	ND	ND	ND	ND	ND	--
	1,2-Dichlorobenzene	600	MCL	ND	--	ND	ND	ND	ND	ND	--
	1,2-Dichloroethane	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	1,2-Dichloroethene	70	MCL	ND	--	ND	ND	ND	ND	ND	--
	1,2-Dichloropropane	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	1,4-Dichlorobenzene	75	MCL	ND	--	ND	ND	ND	ND	ND	--
	Benzene	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	Carbon Tetrachloride	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	Chlorobenzene	100	MCL	ND	--	ND	ND	ND	ND	ND	--
	cis-1,2-Dichloroethene	70	MCL	ND	--	ND	ND	ND	ND	ND	--
	Ethylbenzene	700	MCL	ND	--	ND	ND	ND	ND	ND	--
	m,p-Xylene	--	--	ND	--	ND	ND	ND	ND	ND	--
	Methylene chloride	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	o-Xylene	--	--	ND	--	ND	ND	ND	ND	ND	--
	Styrene	100	MCL	ND	--	ND	ND	ND	ND	ND	--
	Tetrachloroethene (PCE)	5	MCL	ND	--	ND	ND	ND	ND	ND	--
	Toluene	1000	MCL	ND	--	ND	ND	ND	ND	ND	--
	trans-1,2-Dichloroethene	100	MCL	ND	--	ND	ND	ND	ND	ND	--
	Trichloroethene (TCE)	5	MCL	ND	--	ND	ND	ND	ND	ND	--
Vinyl chloride	2	MCL	ND	--	ND	ND	ND	ND	ND	--	
Xylenes, Total	10000	MCL	ND	--	ND	ND	ND	ND	ND	--	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	--	ND	ND	ND	ND	ND	--
	Chloroacetic acid	--	--	ND	--	ND	ND	ND	ND	ND	--

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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-0015244-22067-N-1	E1-TW-0015244-22067-N-1-R1	E1-TW-0015244-22067-N-2	E1-TW-0015244-22067-N-3	E1-TW-0015244-22067-N-4	E1-TW-0015244-22067-N-5	E1-TW-0015244-22067-N-6	
		Sample Date:	2022-03-18	2022-04-07	2022-03-18	2022-03-18	2022-03-18	2022-03-18	2022-04-07	
		Sample Type:	N (Normal)	N (Grab, Resample)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)	
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	--	1.30	1.50	0.540	0.640	--
	Chloroform	--	--	ND	--	ND	ND	ND	ND	--
	Dibromochloromethane	--	--	ND	--	0.770	0.680	ND	0.550	--
	Total Trihalomethanes	80	MCL	ND	--	2.10	2.20	0.540	1.20	--

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

Drinking Water Samples Collected in March and April 2022 from Child Development Centers 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)
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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-0015290-22067-N-1	E1-TW-0015290-22067-N-2	E1-TW-0015290-22067-N-3	E1-TW-0015290-22067-N-4	E1-TW-0015290-22067-N-4-R1	E1-TW-0015290-22067-N-5
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-04-08	2022-03-22
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Field Test (ppb)	Free Chlorine	4000	MCL	250-640	250-640	250-640	250-640	700	250-640	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	280	520	ND	ND	--	590	
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	73.5	--	ND	
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND	ND	73.5	--	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.370	1.20	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.00	2.00	1.90	2.10	2.00	2.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	0.760	0.610	1.00	1.10	2.00	0.940	
	Copper	1300	MCL	22.0	16.4	29.8	52.7	35.1	9.40	
	Lead	15	MCL	ND	0.880	ND	30.2 §	0.410	ND	
	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	
	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	
Naphthalene	17	EAL	ND	ND	ND	ND	--	ND		

**Summary of Chemistry Results
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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March and April 2022 from Child Development Centers in Zone E1

Notes:
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§ - Exceeds Screening Level
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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-0015290-22067-N-1	E1-TW-0015290-22067-N-2	E1-TW-0015290-22067-N-3	E1-TW-0015290-22067-N-4	E1-TW-0015290-22067-N-4-R1	E1-TW-0015290-22067-N-5
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-04-08	2022-03-22
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	--	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	--	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	--	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	--	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	--	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	--	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	--	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	--	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	--	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	--	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	--	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	--	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	--	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	--	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	--	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	--	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	--	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	--	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	--	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	--	ND
trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	--	ND	
Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	--	ND	

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

Drinking Water Samples Collected in March and April 2022 from Child Development Centers 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-BLDG0081						
				Location Type: Child Development Center						
				Address: Building 81,CHILD CARE CTR/CPF PAO Montessori Center, 45 Makalapa Drive						
				Field Sample ID:	E1-TW-0015290-22067-N-1	E1-TW-0015290-22067-N-2	E1-TW-0015290-22067-N-3	E1-TW-0015290-22067-N-4	E1-TW-0015290-22067-N-4-R1	E1-TW-0015290-22067-N-5
				Sample Date:	2022-03-22	2022-03-22	2022-03-22	2022-03-22	2022-04-08	2022-03-22
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Grab, Resample)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	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	
	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	ND	ND	ND	--	ND	
	Chloroform	--	--	ND	ND	ND	ND	--	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	--	ND	
	Total Trihalomethanes	80	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 March 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-BLDG0284	E1-BLDG0360	E1-BLDG0379	E1-BLDG0400
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 284, FEDERAL FIRE DEPARTMENT	Building 360, NEX MINI-MART/BARBER SHOP	Building 379, NGIS - NAVY TDY (MAKALAPA)	Building 400, JOINT INTEL CTR PAC ANNEX
				Field Sample ID:	E1-TW-0015236-22067-N	E1-TW-0015243-22067-N	E1-TW-0015258-22067-N	E1-TW-0015266-22067-N
				Sample Date:	2022-03-17	2022-03-18	2022-03-17	2022-03-17
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	410	70.0	350	460	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	60.0	ND	50.8	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	211	ISP	60.0	ND	50.8	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	2.70	2.30	2.10	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	1.40	1.10	1.50	1.40	
	Copper	1300	MCL	78.5	79.5	44.8	43.8	
	Lead	15	MCL	0.140	ND	0.180	0.790	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	
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	0.640	ND	0.630	0.620	
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 March 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-BLDG0284	E1-BLDG0360	E1-BLDG0379	E1-BLDG0400
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 284, FEDERAL FIRE DEPARTMENT	Building 360, NEX MINI-MART/BARBER SHOP	Building 379, NGIS - NAVY TDY (MAKALAPA)	Building 400, JOINT INTEL CTR PAC ANNEX
				Field Sample ID:	E1-TW-0015236-22067-N	E1-TW-0015243-22067-N	E1-TW-0015258-22067-N	E1-TW-0015266-22067-N
				Sample Date:	2022-03-17	2022-03-18	2022-03-17	2022-03-17
				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 March 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-BLDG0284	E1-BLDG0360	E1-BLDG0379	E1-BLDG0400
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 284, FEDERAL FIRE DEPARTMENT	Building 360, NEX MINI-MART/BARBER SHOP	Building 379, NGIS - NAVY TDY (MAKALAPA)	Building 400, JOINT INTEL CTR PAC ANNEX
				Field Sample ID:	E1-TW-0015236-22067-N	E1-TW-0015243-22067-N	E1-TW-0015258-22067-N	E1-TW-0015266-22067-N
				Sample Date:	2022-03-17	2022-03-18	2022-03-17	2022-03-17
				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	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	0.700	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.560	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.30	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 March 2022 from Fire Hydrants 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-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-0017787-22067 -N	E1-DL-0017799-22067 -N	E1-DL-0000589-22067 -N	E1-DL-0017800-22067 -N	
		Sample Date:	2022-03-17	2022-03-17	2022-03-17	2022-03-17	
		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	40.0	30.0	100	260
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	211	ISP	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	6.70	9.90	6.00	18.4
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	0.860	0.930	ND	9.80
	Copper	1300	MCL	5.10	1.10	6.20	2.40
	Lead	15	MCL	0.140	0.290	0.610	0.520
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND
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	0.580	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 E1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in March 2022 from Fire Hydrants in Zone 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-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-0017787-22067 -N	E1-DL-0017799-22067 -N	E1-DL-0000589-22067 -N	E1-DL-0017800-22067 -N
		Sample Date:	2022-03-17	2022-03-17	2022-03-17	2022-03-17
		Sample Type:	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
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	0.930	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	2.10	ND
	Dichloroacetic acid	--	--	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 March 2022 from Fire Hydrants 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-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-0017787-22067 -N	E1-DL-0017799-22067 -N	E1-DL-0000589-22067 -N	E1-DL-0017800-22067 -N	
		Sample Date:	2022-03-17	2022-03-17	2022-03-17	2022-03-17	
		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	2.10	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	1.70	ND	ND
	Bromoform	--	--	5.90	17.3	0.550	0.640
	Chloroform	--	--	ND	0.680	ND	ND
	Dibromochloromethane	--	--	1.70	4.40	ND	0.550
	Total Trihalomethanes	80	MCL	7.60	24.1	0.550	1.20