

**Summary of Chemistry Results
Zone E1 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 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-HALA0033		E1-HALA0051		E1-KAMA4796		E1-MAKA0009		E1-MAKA0013		E1-MAKA0023	
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence	
		Address:		33 Halawa Drive		51 Halawa Drive		4796 Kamakani Place		9 Makalapa Drive		13 Makalapa Drive		23 Makalapa Drive	
		Field Sample ID:		E1-TW-0010669-22157-3-N	E1-TW-0010669-22157-N	E1-TW-0010684-22157-N	E1-TW-0010693-22157-3-N	E1-TW-0010693-22157-N	E1-TW-0010698-22157-N	E1-TW-0010700-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N
		Sample Date:		2022-09-29	2022-09-29	2022-08-03	2022-08-04	2022-08-04	2022-08-03	2022-08-01	2022-08-01	2022-08-01	2022-08-01	2022-08-01	2022-09-28
		Sample Type:		FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	470	470	350	280	280	290	250	420				
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	50.6	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	50.6	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	2.10	1.90	1.90	2.00	2.40	1.80				
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.80	1.30	1.20	1.30	1.30	1.60	1.80				
	Copper	1300	MCL	33.2	34.9	42.5	9.10	8.80	5.60	3.10	23.5				
	Lead	15	MCL	ND	ND	ND	ND	ND	ND	0.180	0.180				
	Mercury	2	MCL	0.0320	0.0330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.510	ND	ND	0.510	0.580	ND				
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	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-HALA0033		Location ID: E1-HALA0051		Location ID: E1-KAMA4796		Location ID: E1-MAKA0009	Location ID: E1-MAKA0013	Location ID: E1-MAKA0023
				Residence		Residence		Residence		Residence	Residence	Residence
				33 Halawa Drive		51 Halawa Drive		4796 Kamakani Place		9 Makalapa Drive	13 Makalapa Drive	23 Makalapa Drive
				E1-TW-0010669-22157-3-N	E1-TW-0010669-22157-N	E1-TW-0010684-22157-N	E1-TW-0010693-22157-3-N	E1-TW-0010693-22157-N	E1-TW-0010698-22157-N	E1-TW-0010700-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N
				2022-09-29	2022-09-29	2022-08-03	2022-08-04	2022-08-04	2022-08-03	2022-08-01	2022-09-28	2022-09-28
				FD (Field Duplicate)	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	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	E1-HALA0033		E1-HALA0051	E1-KAMA4796		E1-MAKA0009	E1-MAKA0013	E1-MAKA0023				
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:
				Residence	33 Halawa Drive	Residence	51 Halawa Drive	Residence	4796 Kamakani Place	Residence	9 Makalapa Drive	Residence	13 Makalapa Drive	Residence	23 Makalapa Drive
				E1-TW-0010669-22157-3-N	E1-TW-0010669-22157-N	E1-TW-0010684-22157-N	E1-TW-0010693-22157-3-N	E1-TW-0010693-22157-N	E1-TW-0010698-22157-N	E1-TW-0010700-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N	E1-TW-0010707-22157-N
				2022-09-29	2022-09-29	2022-08-03	2022-08-04	2022-08-04	2022-08-03	2022-08-01	2022-09-28	2022-08-03	2022-08-01	2022-09-28	2022-09-28
				FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				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	2.00	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	ND	ND	ND	ND	ND
				ND	ND	2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	E1-MAKA0038	E1-MAKA0043	E1-MAKI0003	
		Location Type:	Residence	Residence	Residence	
		Address:	38 Makalapa Drive	43 Makalapa Drive	3 Makin Place	
		Field Sample ID:	E1-TW-0010720-22157-N	E1-TW-0010721-22157-N	E1-TW-0010724-22157-N	
		Sample Date:	2022-08-03	2022-08-01	2022-08-08	
		Sample Type:	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	270	560	440
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	1.90	2.20	1.80
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	1.30	1.40	1.50
	Copper	1300	MCL	136	19.4	19.7
	Lead	15	MCL	0.440	0.230	ND
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	0.500	0.530	ND
	Thallium	2	MCL	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				E1-MAKA0038	E1-MAKA0043	E1-MAKI0003
				Residence	Residence	Residence
				38 Makalapa Drive	43 Makalapa Drive	3 Makin Place
				E1-TW-0010720-22157-N	E1-TW-0010721-22157-N	E1-TW-0010724-22157-N
				2022-08-03	2022-08-01	2022-08-08
				N (Normal)	N (Normal)	N (Normal)
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 (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND

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		Location ID:	E1-MAKA0038	E1-MAKA0043	E1-MAKI0003	
		Location Type:	Residence	Residence	Residence	
		Address:	38 Makalapa Drive	43 Makalapa Drive	3 Makin Place	
		Field Sample ID:	E1-TW-0010720-22157-N	E1-TW-0010721-22157-N	E1-TW-0010724-22157-N	
		Sample Date:	2022-08-03	2022-08-01	2022-08-08	
		Sample Type:	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
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	0.690	ND	ND
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	0.550	ND	ND
	Total Trihalomethanes	80	MCL	1.24	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 June-December 2022 from Schools in Zone E1

Notes:
ND = Not Detected
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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-0015244-22157-N-1	E1-TW-0015244-22157-N-2	E1-TW-0015244-22157-N-3	E1-TW-0015244-22157-N-4	E1-TW-0015244-22157-N-5
		Sample Date:		2022-07-28	2022-07-28	2022-07-28	2022-07-28	2022-07-28
		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	50.0-520	50.0-520	50.0-520	50.0-520	50.0-520
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	266	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	1.90	2.00	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.0800	ND	ND	ND	ND
	Chromium	100	MCL	1.10	1.00	1.10	1.10	1.10
	Copper	1300	MCL	22.6	10.2	34.8	12.4	60.6
	Lead	15	MCL	0.140	0.300	0.300	0.270	0.380
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.460	0.410	0.580	0.420	0.440
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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Zone E1 Long Term Monitoring
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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-0015244-22157-N-1	E1-TW-0015244-22157-N-2	E1-TW-0015244-22157-N-3	E1-TW-0015244-22157-N-4	E1-TW-0015244-22157-N-5	
		Sample Date:	2022-07-28	2022-07-28	2022-07-28	2022-07-28	2022-07-28	
		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 (Total)	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone E1 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 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-BLDG0364					
				Location Type: School					
				Address: Building 364,NAVY HALE KEIKI SCHOOL, 153 Bougainville Dr					
				Field Sample ID:	E1-TW-0015244-22157-N-1	E1-TW-0015244-22157-N-2	E1-TW-0015244-22157-N-3	E1-TW-0015244-22157-N-4	E1-TW-0015244-22157-N-5
				Sample Date:	2022-07-28	2022-07-28	2022-07-28	2022-07-28	2022-07-28
				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	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 June-December 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

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-0015290-22157-N-1	E1-TW-0015290-22157-N-2
				Sample Date: 2022-09-28	2022-09-28
				Sample Type: N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	120-370	120-370
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	266	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.00	1.90
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.80	1.80
	Copper	1300	MCL	18.4	13.9
	Lead	15	MCL	ND	0.240
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	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

**Summary of Chemistry Results
Zone E1 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 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- 22157-N-1	E1-TW-0015290- 22157-N-2
Sample Date:	2022-09-28	2022-09-28
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 (Total)	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	

**Summary of Chemistry Results
Zone E1 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 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-BLDG0081		
				Location Type: Child Development Center		
				Address: Building 81, CHILD CARE CTR/CPF PAO Montessori Center, 45 Makalapa Drive		
				Field Sample ID:	E1-TW-0015290-22157-N-1	E1-TW-0015290-22157-N-2
				Sample Date:	2022-09-28	2022-09-28
				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	--	--	0.440	ND	
	Chloroform	--	--	ND	ND	
	Dibromochloromethane	--	--	0.280	ND	
	Total Trihalomethanes	80	MCL	0.720	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 June-December 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-BLDG0352		E1-BLDG0373	E1-BLDG0374	E1-BLDG0380	E1-BLDG0406	E1-BLDG396A
				Location Type:	Location Type:		Location Type:	Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:		Address:	Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				E1-BLDG0261 Non-Residence Building 261,CPF VISITING FLAG OFFICE	E1-BLDG0352 Non-Residence Building 352,JIOC/CPF BLDG		E1-BLDG0373 Non-Residence Building 373,NGIS - NAVY TDY (MAKALAPA)	E1-BLDG0374 Non-Residence Building 374,NGIS - NAVY TDY (MAKALAPA)	E1-BLDG0380 Non-Residence Building 380,NGIS - NAVY TDY (MAKALAPA)	E1-BLDG0406 Non-Residence Building 406,ADMIN OFFICE, B406 Makalapa Dr	E1-BLDG396A Non-Residence Building 396A,SEABEE OPS
				E1-TW-0015298-22157-N	E1-TW-0015242-22157-3-N	E1-TW-0015242-22157-N	E1-TW-0015252-22157-N	E1-TW-0015253-22157-N	E1-TW-0015259-22157-N	E1-TW-0015272-22157-N	E1-TW-0015281-22157-N
				2022-11-04	2022-09-30	2022-09-30	2022-08-03	2022-10-25	2022-08-03	2022-07-28	2022-09-29
				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	30.0	110	110	510	400	240	380	30.0
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	110	110	510	400	240	380	30.0
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	0.220	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.60	2.10	2.10	2.10	2.30	2.10	5.80	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	2.00	1.80	1.70	1.40	2.00	1.40	1.20	1.40
	Copper	1300	MCL	7.80	8.40	8.30	28.3	62.7	39.1	9.10	17.6
	Lead	15	MCL	0.430	ND	ND	0.160	0.240	0.210	0.180	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.590	ND	0.560	0.490	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

**Summary of Chemistry Results
Zone E1 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 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-BLDG0261	E1-BLDG0352		E1-BLDG0373	E1-BLDG0374	E1-BLDG0380	E1-BLDG0406	E1-BLDG396A
				Location Type:	Non-Residence	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 261,CPF VISITING FLAG OFFICE	Building 352,JIOC/CPF BLDG		Building 373,NGIS - NAVY TDY (MAKALAPA)	Building 374,NGIS - NAVY TDY (MAKALAPA)	Building 380,NGIS - NAVY TDY (MAKALAPA)	Building 406,ADMIN OFFICE, B406 Makalapa Dr	Building 396A,SEABEE OPS
				Field Sample ID:	E1-TW-0015298-22157-N	E1-TW-0015242-22157-3-N	E1-TW-0015242-22157-N	E1-TW-0015252-22157-N	E1-TW-0015253-22157-N	E1-TW-0015259-22157-N	E1-TW-0015272-22157-N	E1-TW-0015281-22157-N
				Sample Date:	2022-11-04	2022-09-30	2022-09-30	2022-08-03	2022-10-25	2022-08-03	2022-07-28	2022-09-29
				Sample Type:	N (Normal)	FD (Field Duplicate)	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 E1 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 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-BLDG0352		E1-BLDG0373	E1-BLDG0374	E1-BLDG0380	E1-BLDG0406	E1-BLDG396A	
				Location Type:	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
				Address:	Building 352,JIOC/CPF BLDG		Building 373,NGIS - NAVY TDY (MAKALAPA)	Building 374,NGIS - NAVY TDY (MAKALAPA)	Building 380,NGIS - NAVY TDY (MAKALAPA)	Building 406,ADMIN OFFICE, B406 Makalapa Dr	Building 396A,SEABEE OPS	
				Field Sample ID:	E1-TW-0015298-22157-N	E1-TW-0015242-22157-3-N	E1-TW-0015242-22157-N	E1-TW-0015252-22157-N	E1-TW-0015253-22157-N	E1-TW-0015259-22157-N	E1-TW-0015272-22157-N	E1-TW-0015281-22157-N
				Sample Date:	2022-11-04	2022-09-30	2022-09-30	2022-08-03	2022-10-25	2022-08-03	2022-07-28	2022-09-29
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	1.20	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	1.20	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	0.890	ND	
	Bromoform	--	--	ND	ND	1.30	ND	0.320	ND	4.70	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	0.510	ND	0.330	ND	2.90	ND	
	Total Trihalomethanes	80	MCL	ND	ND	1.81	ND	0.650	ND	8.49	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 June-December 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-0017787-22157 -N	E1-DL-0017799-22157 -N	E1-DL-0000589-22157 -N	E1-DL-0017800-22157 -N	
		Sample Date:	2022-09-30	2022-09-30	2022-09-30	2022-09-30	
		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	170	610	430	320
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	300	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	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	7.60	5.20	2.30	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	0.710	1.60	1.50	1.70
	Mercury	2	MCL	0.0250	0.0330	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND

**Summary of Chemistry Results
Zone E1 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 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-0017787-22157 -N	E1-DL-0017799-22157 -N	E1-DL-0000589-22157 -N	E1-DL-0017800-22157 -N	
		Sample Date:	2022-09-30	2022-09-30	2022-09-30	2022-09-30	
		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-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
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

**Summary of Chemistry Results
Zone E1 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 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-0017787-22157 -N	E1-DL-0017799-22157 -N	E1-DL-0000589-22157 -N	E1-DL-0017800-22157 -N	
		Sample Date:	2022-09-30	2022-09-30	2022-09-30	2022-09-30	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.370	ND	ND
	Bromoform	--	--	1.10	1.60	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.660	1.10	ND	ND
	Total Trihalomethanes	80	MCL	1.76	3.07	ND	ND