

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

<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), with the exception of Field and Bacterial Test results
Parts per Million (ppm)
Parts per Thousand (ppth)
§ - Exceeds Screening Level
-- = No Information Available
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone E1**

		Location ID:	E1-BETI0047	E1-HALA0039					E1-HALA0050	E1-KAMA4786	E1-MAKA0005
		Location Type:	Residence	Residence					Residence	Residence	Residence
		Address:	47 Betio Place	39 Halawa Drive					50 Halawa Drive	4786 Kamakani Place	5 Makalapa Drive
		Field Sample ID:	E1-TW-0010665-24092-N	E1-TW-0000371-24092-N	E1-TW-0000371-24092-3-N	E1-TW-0000371-24092-N-H	E1-TW-0000371-24092-3-N-H	E1-TW-0010683-24092-N	E1-TW-0000372-24092-N	E1-TW-0000367-24092-N	
		Sample Date:	2024-04-26	2024-06-19	2024-06-19	2024-06-19	2024-06-19	2024-05-16	2024-05-16	2024-06-19	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Bacterial Test (in 100 mL)	Coliform	--	--	--	Absent	Absent	--	--	Absent	Absent	Absent
	E. coli	--	--	--	Absent	Absent	--	--	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	ND	ND	8.00	2.00	ND	21.0	ND
Field Test (ppb)	Free Chlorine	4000	MCL	210	480	--	270	270	590	660	400
Field Test (pH)	pH	--	--	7.36	7.30	--	7.22	--	7.32	7.23	7.15
Field Test (ms/cm)	Specific Conductivity	--	--	0.220	0.230	--	0.270	--	0.240	0.240	0.240
Field Test (degrees Celcius)	Temperature	--	--	24.9	25.6	--	49.6	--	25.3	23.6	25.7
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.630	0.620	--	0.0650	--	0.0540	0.00	1.08
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55000	63000	59200	--	--	55700	53700	61000
	Total Organic Carbon	--	--	ND	ND	ND	--	--	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	--	--	ND	ND	ND
Metals (ppb)	Copper	1300	MCL	46.1	40.1	40.6	--	--	25.5	5.30	3.60
	Lead	15	MCL	ND	ND	ND	--	--	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	--	--	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	--	--	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	--	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	--	--	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	--	--	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	--	--	ND	ND	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	--	--	ND	ND	ND

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**Zone E1**

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone E1**

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-HALA0039					E1-HALA0050	E1-KAMA4786	E1-MAKA0005
				E1-BETI0047	Residence					Residence	Residence	Residence
				Address:	39 Halawa Drive					50 Halawa Drive	4786 Kamakani Place	5 Makalapa Drive
				Field Sample ID:	E1-TW-0010665-24092-N	E1-TW-0000371-24092-N	E1-TW-0000371-24092-3-N	E1-TW-0000371-24092-N-H	E1-TW-0000371-24092-3-N-H	E1-TW-0010683-24092-N	E1-TW-0000372-24092-N	E1-TW-0000367-24092-N
				Sample Date:	2024-04-26	2024-06-19	2024-06-19	2024-06-19	2024-06-19	2024-05-16	2024-05-16	2024-06-19
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	Benzene	5	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	
	o-Xylene	--	--	ND	ND	ND	--	--	ND	ND	ND	
	Toluene	1000	MCL	ND	ND	ND	--	--	ND	ND	ND	
	Xylenes, Total	10000	MCL	ND	ND	ND	--	--	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.470	ND	ND	--	--	ND	ND	ND	
	Bromoform	--	--	2.40	ND	ND	--	--	0.630	ND	ND	
	Chloroform	--	--	ND	ND	ND	--	--	ND	ND	ND	
	Dibromochloromethane	--	--	1.40	ND	ND	--	--	0.520	ND	ND	
	Total Trihalomethanes	80	MCL	4.27	ND	ND	--	--	1.15	ND	ND	

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone E1**

		<b>Location ID:</b>	E1-MAKA0005	E1-MAKA0021	E1-MAKA0027
		<b>Location Type:</b>	Residence	Residence	Residence
		<b>Address:</b>	5 Makalapa Drive	21 Makalapa Drive	27 Makalapa Drive
		<b>Field Sample ID:</b>	E1-TW-0000367-24092-N-H	E1-TW-0010705-24092-N	E1-TW-0010710-24092-N
		<b>Sample Date:</b>	2024-06-19	2024-05-16	2024-04-26
		<b>Sample Type:</b>	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>		
Bacterial Test (in 100 mL)	Coliform	--	--	--	Absent
	E. coli	--	--	--	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	310	570
Field Test (pH)	pH	--	--	7.12	7.31
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	0.240
Field Test (degrees Celcius)	Temperature	--	--	46.2	24.3
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	1.21	0.0350
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	--	54600
	Total Organic Carbon	--	--	--	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	--	ND
	Petroleum Hydrocarbons, Total	--	--	--	ND
Metals (ppb)	Copper	1300	MCL	--	12.9
	Lead	15	MCL	--	0.180
	Mercury	2	MCL	--	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	--	ND
	2-Methylnaphthalene	--	--	--	ND
	Benzo(a)pyrene	0.2	MCL	--	ND
	Naphthalene	--	--	--	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	--	ND
	1,3,5-Trimethylbenzene	--	--	--	ND

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone E1**

		<b>Location ID:</b>	E1-MAKA0005	E1-MAKA0021	E1-MAKA0027
		<b>Location Type:</b>	Residence	Residence	Residence
		<b>Address:</b>	5 Makalapa Drive	21 Makalapa Drive	27 Makalapa Drive
		<b>Field Sample ID:</b>	E1-TW-0000367-24092-N-H	E1-TW-0010705-24092-N	E1-TW-0010710-24092-N
		<b>Sample Date:</b>	2024-06-19	2024-05-16	2024-04-26
		<b>Sample Type:</b>	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)	Benzene	5	MCL	--	ND
	Ethylbenzene	700	MCL	--	ND
	m,p-Xylene	--	--	--	ND
	o-Xylene	--	--	--	ND
	Toluene	1000	MCL	--	ND
	Xylenes, Total	10000	MCL	--	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	--	ND
	Bromoform	--	--	--	0.520
	Chloroform	--	--	--	ND
	Dibromochloromethane	--	--	--	0.470
	Total Trihalomethanes	80	MCL	--	0.990

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**Drinking Water Samples Collected in April 2024 - June 2024 from Schools in Zone E1**

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24092-N-1	E1-TW-0015244-24092-N-4	E1-TW-0015244-24092-3-N-4	E1-TW-0015244-24092-N-2	E1-TW-0015244-24092-N-3	E1-TW-0015244-24092-N-5	E1-TW-0015244-24122-N-2	E1-TW-0015244-24122-N-1
				Sample Date:	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-05-02	2024-05-02
				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									
Field Test (ppb)	Free Chlorine	4000	MCL	530	460	--	480	410	410	610	520	
Field Test (pH)	pH	--	--	7.27	7.32	--	7.33	7.32	7.32	7.40	7.39	
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.230	--	0.240	0.230	0.230	0.260	0.260	
Field Test (degrees Celcius)	Temperature	--	--	23.6	24.4	--	24.4	23.8	23.8	24.2	24.1	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.200	0.390	--	0.320	0.260	0.260	0.300	0.220	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55000	55000	55000	56000	55000	54500	49500	47500	
	Total Organic Carbon	--	--	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 Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Copper	1300	MCL	7.20	8.20	7.60	17.9	32.8	16.6	6.60	4.40	
	Lead	15	MCL	ND	0.140	0.150	0.280	0.240	0.150	0.150	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	

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				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24092-N-1	E1-TW-0015244-24092-N-4	E1-TW-0015244-24092-3-N-4	E1-TW-0015244-24092-N-2	E1-TW-0015244-24092-N-3	E1-TW-0015244-24092-N-5	E1-TW-0015244-24122-N-2	E1-TW-0015244-24122-N-1
				Sample Date:	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-04-11	2024-05-02	2024-05-02
				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									
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.510	0.530	0.870	0.620	0.540	0.430	0.480	0.620	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.250	0.280	0.420	0.320	0.290	ND	0.250	0.350	
	Total Trihalomethanes	80	MCL	0.760	0.810	1.29	0.940	0.830	0.430	0.730	0.970	

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		Location ID:		E1-BLDG0364							
		Location Type:		School							
		Address:		HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364							
		Field Sample ID:		E1-TW-0015244-24122-N-4	E1-TW-0015244-24122-N-3	E1-TW-0015244-24122-N-5	E1-TW-0015244-24153-N-1	E1-TW-0015244-24153-N-2	E1-TW-0015244-24153-N-3	E1-TW-0015244-24153-N-4	E1-TW-0015244-24153-N-4-H
		Sample Date:		2024-05-02	2024-05-02	2024-05-02	2024-06-03	2024-06-03	2024-06-03	2024-06-03	2024-06-03
		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								
Bacterial Test (in 100 mL)	Coliform	--	--	--	--	--	Absent	Absent	Absent	Absent	--
	E. coli	--	--	--	--	--	Absent	Absent	Absent	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	--	--	ND	ND	ND	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	500	530	400	170	460	130	520	530
Field Test (pH)	pH	--	--	7.25	7.37	7.18	7.38	7.39	7.42	7.42	7.42
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.240	0.230	0.230	0.230	0.230	0.230
Field Test (degrees Celcius)	Temperature	--	--	24.4	26.9	25.0	27.4	26.7	27.4	26.3	25.5
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.600	0.830	0.470	0.00	0.00	0.00	0.00	0.00
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	50000	50000	47500	52300	53600	53400	51600	--
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	--
Metals (ppb)	Copper	1300	MCL	7.50	17.1	11.9	10.8	16.9	20.8	15.1	--
	Lead	15	MCL	0.140	0.150	ND	0.250	0.240	0.220	0.270	--
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--

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				Location ID: E1-BLDG0364 Location Type: School Address: HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24122-N-4	E1-TW-0015244-24122-N-3	E1-TW-0015244-24122-N-5	E1-TW-0015244-24153-N-1	E1-TW-0015244-24153-N-2	E1-TW-0015244-24153-N-3	E1-TW-0015244-24153-N-4	E1-TW-0015244-24153-N-4-H
				Sample Date:	2024-05-02	2024-05-02	2024-05-02	2024-06-03	2024-06-03	2024-06-03	2024-06-03	2024-06-03
				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-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
	Benzene	5	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	--
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	--
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
	Bromoform	--	--	0.500	0.450	0.300	0.850	0.590	0.980	1.00	--	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	--	
	Dibromochloromethane	--	--	0.270	ND	ND	0.570	0.490	0.620	0.640	--	
	Total Trihalomethanes	80	MCL	0.770	0.450	0.300	1.42	1.08	1.60	1.64	--	



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

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Parts per Million (ppm)
Parts per Thousand (ppth)
§ - 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
MPN/mL = Most probable number per milliliter

**Drinking Water Samples Collected in April 2024 - June 2024 from Schools in Zone E1**

		<b>Location ID:</b>	E1-BLDG0364		
		<b>Location Type:</b>	School		
		<b>Address:</b>	HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364		
		<b>Field Sample ID:</b>	E1-TW-0015244-24153-N-5	E1-TW-0015244-24153-N-5-H	
		<b>Sample Date:</b>	2024-06-03	2024-06-03	
		<b>Sample Type:</b>	N (Normal)	N (Normal)	
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>		
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	--
	E. coli	--	--	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	4.00
Field Test (ppb)	Free Chlorine	4000	MCL	490	390
Field Test (pH)	pH	--	--	7.42	7.45
Field Test (ms/cm)	Specific Conductivity	--	--	0.230	0.230
Field Test (degrees Celcius)	Temperature	--	--	26.5	27.4
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.00
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	51800	--
	Total Organic Carbon	--	--	ND	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	--
Metals (ppb)	Copper	1300	MCL	29.8	--
	Lead	15	MCL	0.190	--
	Mercury	2	MCL	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--
	2-Methylnaphthalene	--	--	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	--
	Naphthalene	--	--	ND	--

**Summary of Chemistry Results**

**Zone E1**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Parts per Million (ppm)
Parts per Thousand (ppth)
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MPN/mL = Most probable number per milliliter

**Drinking Water Samples Collected in April 2024 - June 2024 from Schools in Zone E1**

		<b>Location ID:</b>	E1-BLDG0364		
		<b>Location Type:</b>	School		
		<b>Address:</b>	HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364		
		<b>Field Sample ID:</b>	E1-TW-0015244-24153-N-5	E1-TW-0015244-24153-N-5-H	
		<b>Sample Date:</b>	2024-06-03	2024-06-03	
		<b>Sample Type:</b>	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)	1,2,4-Trimethylbenzene	--	--	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	--
	Benzene	5	MCL	ND	--
	Ethylbenzene	700	MCL	ND	--
	m,p-Xylene	--	--	ND	--
	o-Xylene	--	--	ND	--
	Toluene	1000	MCL	ND	--
	Xylenes, Total	10000	MCL	ND	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--
	Bromoform	--	--	0.390	--
	Chloroform	--	--	ND	--
	Dibromochloromethane	--	--	0.360	--
	Total Trihalomethanes	80	MCL	0.750	--

**Summary of Chemistry Results**

**Zone E1**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Parts per Million (ppm)
Parts per Thousand (ppth)
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**Drinking Water Samples Collected in April 2024 - June 2024 from Child Development Centers in Zone E1**

				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-0015290-24092-N-2	E1-TW-0015290-24092-N-1	E1-TW-0015290-24122-N-2	E1-TW-0015290-24122-N-1	E1-TW-0015290-24153-N-1	E1-TW-0015290-24153-N-2	E1-TW-0015290-24153-N-2-R1	E1-TW-0015290-24153-N-1-R1
				Sample Date:	2024-04-17	2024-04-17	2024-05-07	2024-05-07	2024-06-10	2024-06-10	2024-06-27	2024-06-27
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Bacterial Test (in 100 mL)	Coliform	--	--	--	--	--	--	--	Absent	Absent	--	--
	E. coli	--	--	--	--	--	--	--	Absent	Absent	--	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	--	--	--	--	ND	ND	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	130	460	310	680	840	600	120	400	
Field Test (pH)	pH	--	--	7.59	7.33	7.32	7.44	7.41	7.42	7.35	7.42	
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.250	0.230	0.220	0.240	0.250	0.260	0.260	
Field Test (degrees Celcius)	Temperature	--	--	27.9	28.7	29.0	25.2	24.3	28.9	30.6	27.0	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	13.1	0.730	0.560	0.530	0.710	0.640	0.660	0.600	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	50000	55000	52200	52600	54000	52900	--	--	
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	--	--	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	--	--	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	--	--	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	--	ND	ND	
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Copper	1300	MCL	25.2	15.4	19.4	8.80	7.20	20.8	--	--	
	Lead	15	MCL	0.300	ND	0.270	ND	ND	0.340	--	--	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	--	--	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	--	--	
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	--	--	

**Summary of Chemistry Results**

**Zone E1**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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**Drinking Water Samples Collected in April 2024 - June 2024 from Child Development Centers in Zone E1**

				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-0015290-24092-N-2	E1-TW-0015290-24092-N-1	E1-TW-0015290-24122-N-2	E1-TW-0015290-24122-N-1	E1-TW-0015290-24153-N-1	E1-TW-0015290-24153-N-2	E1-TW-0015290-24153-N-2-R1	E1-TW-0015290-24153-N-1-R1
				Sample Date:	2024-04-17	2024-04-17	2024-05-07	2024-05-07	2024-06-10	2024-06-10	2024-06-27	2024-06-27
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Synthetic Organic Compounds (ppb)	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	--	--
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
	Benzene	5	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	--	--
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	--	--
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	--	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
	Bromoform	--	--	ND	0.260	ND	ND	ND	ND	0.300	--	--
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	0.250	--	--
	Total Trihalomethanes	80	MCL	ND	0.260	ND	ND	ND	ND	0.550	--	--

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

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**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone E1**

		Location ID:		E1-HYD1081						E1-HYD1216	
		Location Type:		Hydrant						Hydrant	
		Address:		Hydrant 920						FH 1216	
		Field Sample ID:	E1-DL-0017787-24092	E1-DL-0017787-24092	E1-DL-0017787-24122	E1-DL-0017787-24122	E1-DL-0017787-24122	E1-DL-0017787-24153	E1-DL-0017799-24092	E1-DL-0017799-24122	
		Sample Date:	-N	-3-N	-N	-3-N	-N-R1	-N	-N	-N	
		Sample Type:	2024-04-26	2024-04-26	2024-05-16	2024-05-16	2024-05-22	2024-06-19	2024-04-26	2024-05-16	
			N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Bacterial Test (in 100 mL)	Coliform	--	--	--	--	Absent	Absent	Absent	Absent	--	Absent
	E. coli	--	--	--	--	Absent	Absent	Absent	Absent	--	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	--	26.0	15.0	ND	6.00	--	6.00
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	--	250	--	480	20.0	30.0	490
Field Test (pH)	pH	--	--	8.52	--	8.31	--	7.45	8.41	8.70	8.86
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	--	0.280	--	0.220	0.260	0.260	0.280
Field Test (degrees Celcius)	Temperature	--	--	26.7	--	23.6	--	25.8	26.2	26.1	24.6
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.900	--	2.99	--	0.710	1.60	0.520	0.00
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	62500	60000	69500	73600	--	78600	62500	75900
	Total Organic Carbon	--	--	280	310	320	300	--	340	210	240
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	--	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	--	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	--	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	--	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	--	--	--	ND	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	--	--	--	ND	--	--
	Benzene	5	MCL	ND	ND	ND	ND	--	ND	ND	ND

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

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**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone E1**

		E1-HYD1081 Hydrant Hydrant 920						E1-HYD1216 Hydrant FH 1216			
		Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	
		E1-DL-0017787-24092 -N	E1-DL-0017787-24092 -3-N	E1-DL-0017787-24122 -N	E1-DL-0017787-24122 -3-N	E1-DL-0017787-24122 -N-R1	E1-DL-0017787-24153 -N	E1-DL-0017799-24092 -N	E1-DL-0017799-24122 -N	E1-DL-0017799-24122 -N	
		Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	
		2024-04-26	2024-04-26	2024-05-16	2024-05-16	2024-05-22	2024-06-19	2024-04-26	2024-04-26	2024-05-16	
		Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	
		N (Normal)	FD (Field Duplicate)	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								
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	--	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	--	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	--	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	--	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.600	0.570	0.480	0.490	--	1.20	1.50	2.00
	Bromoform	--	--	5.30	5.90	5.80	5.80	--	4.70	16.0	23.0
	Chloroform	--	--	ND	ND	ND	ND	--	0.560	0.400	0.630
	Dibromochloromethane	--	--	2.20	2.20	2.10	2.10	--	3.00	4.90	6.80
	Total Trihalomethanes	80	MCL	8.10	8.67	8.38	8.39	--	9.46	22.8	32.4

**Summary of Chemistry Results**  
**Zone E1**  
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**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone E1**

		Location ID: E1-HYD1216		E1-HYD2249				E1-HYD2250			
		Location Type: Hydrant		Hydrant		Hydrant		Hydrant			
		Address: FH 1216		FH ID: 933		FH ID: 933		FH 2250			
		Field Sample ID: E1-DL-0017799-24153	E1-DL-0000589-24092	E1-DL-0000589-24122	E1-DL-0000589-24153	E1-DL-0017800-24092	E1-DL-0017800-24122	E1-DL-0017800-24153	E1-DL-0017800-24153	E1-DL-0017800-24153	E1-DL-0017800-24153
		-N	-N	-N	-N	-N	-N	-N	-N	-N	-N-R1
		Sample Date: 2024-06-19	2024-04-26	2024-05-16	2024-06-19	2024-04-26	2024-05-16	2024-06-19	2024-06-19	2024-06-28	
		Sample Type: N (Normal)	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								
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	--	Absent	Absent	--	Absent	Absent	Absent
	E. coli	--	--	Absent	--	Absent	Absent	--	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	4.00	--	ND	ND	--	ND	8.00	4.00
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	70.0	570	110	170	780	330	350
Field Test (pH)	pH	--	--	8.83	7.41	7.44	7.27	7.35	7.25	7.24	7.25
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.240	0.250	0.240	0.240	0.240	0.240	0.260
Field Test (degrees Celcius)	Temperature	--	--	27.1	27.1	24.4	28.6	26.5	23.9	26.1	25.4
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.390	0.840	0.200	0.830	0.780	0.280	1.62	0.650
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	79000	52500	52500	60900	52500	51900	59600	--
	Total Organic Carbon	--	--	200	ND	ND	ND	ND	ND	ND	--
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	1,2-Dibromoethane (EDB)	--	--	ND	--	--	ND	--	--	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	--	--	ND	--	--	ND	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	--

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

<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), with the exception of Field and Bacterial Test results
Parts per Million (ppm)
Parts per Thousand (ppth)
§ - 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
MPN/mL = Most probable number per milliliter

**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone E1**

		Location ID: E1-HYD1216		E1-HYD2249				E1-HYD2250			
		Location Type: Hydrant		Hydrant		Hydrant		Hydrant			
		Address: FH 1216		FH ID: 933		FH ID: 933		FH 2250			
		Field Sample ID: E1-DL-0017799-24153	E1-DL-0000589-24092	E1-DL-0000589-24122	E1-DL-0000589-24153	E1-DL-0017800-24092	E1-DL-0017800-24122	E1-DL-0017800-24153	E1-DL-0017800-24153	E1-DL-0017800-24153	E1-DL-0017800-24153
		-N	-N	-N	-N	-N	-N	-N	-N	-N	-N-R1
		Sample Date: 2024-06-19	2024-04-26	2024-05-16	2024-06-19	2024-04-26	2024-05-16	2024-06-19	2024-06-19	2024-06-28	
		Sample Type: N (Normal)	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)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	--
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	--
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	--
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	2.00	ND	ND	ND	ND	ND	ND	--
	Bromoform	--	--	16.6	0.650	0.810	0.430	ND	ND	ND	--
	Chloroform	--	--	0.670	ND	ND	ND	ND	ND	ND	--
	Dibromochloromethane	--	--	5.90	ND	0.270	ND	0.250	ND	ND	--
	Total Trihalomethanes	80	MCL	25.2	0.650	1.08	0.430	0.250	ND	ND	--