

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

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), 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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Drinking Water Samples Collected in July 2024 - September 2024 from Residences in Zone E1

		Location ID:		E1-MAKA0017		E1-MAKA0033		E1-MAKA0036		E1-MIDW0007	
		Location Type:		Residence		Residence		Residence		Residence	
		Address:		17 Makalapa Drive		33 Makalapa Drive		36 Makalapa Drive		7 Midway Drive	
		Field Sample ID:		E1-TW-0000361-24092-N	E1-TW-0000361-24092-N-H	E1-TW-0010716-24092-N	E1-TW-0010716-24092-N-H	E1-TW-0010718-24092-N	E1-TW-0010718-24092-N-H	E1-TW-0000366-24092-N	E1-TW-0000366-24092-N-H
		Sample Date:		2024-08-26	2024-08-26	2024-09-20	2024-09-20	2024-08-07	2024-08-07	2024-08-28	2024-08-28
		Sample Type:		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	--	--	4.00	ND	20.0	67.0	102	1.00	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	620	550	250	30.0	420	330	620	460
Field Test (pH)	pH	--	--	7.24	7.28	7.30	7.60	7.31	7.30	7.32	7.40
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.250	0.270	0.260	0.270	0.230	0.270
Field Test (degrees Celcius)	Temperature	--	--	26.0	41.0	25.2	38.5	27.6	51.6	24.8	53.4
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.530	0.650	0.830	0.400	0.430	2.47	0.820	0.850
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	51900	--	58200	--	56300	--	53200	--
	Total Organic Carbon	--	--	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 Oil)	--	--	ND	--	ND	--	ND	--	ND	--
	Petroleum Hydrocarbons, Total	--	--	ND	--	ND	--	ND	--	ND	--
Metals (ppb)	Copper	1300	MCL	7.80	--	38.1	--	14.3	--	5.20	--
	Lead	15	MCL	ND	--	0.470	--	2.20	--	ND	--
	Mercury	2	MCL	ND	--	ND	--	ND	--	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	ND	--
	2-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	ND	--
	Acenaphthylene	--	--	ND	--	ND	--	ND	--	ND	--
	Anthracene	--	--	ND	--	ND	--	ND	--	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	--	ND	--	ND	--	ND	--
	Benzo(b)fluoranthene	--	--	ND	--	ND	--	ND	--	ND	--

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		Residence		Residence		Residence		Residence			
		17 Makalapa Drive		33 Makalapa Drive		36 Makalapa Drive		7 Midway Drive			
		Field Sample ID:	E1-TW-0000361-24092-N	E1-TW-0000361-24092-N-H	E1-TW-0010716-24092-N	E1-TW-0010716-24092-N-H	E1-TW-0010718-24092-N	E1-TW-0010718-24092-N-H	E1-TW-0000366-24092-N	E1-TW-0000366-24092-N-H	
		Sample Date:	2024-08-26	2024-08-26	2024-09-20	2024-09-20	2024-08-07	2024-08-07	2024-08-28	2024-08-28	
		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(g,h,i)perylene	--	--	ND	--	ND	--	ND	--	ND	--
	Benzo(k)fluoranthene	--	--	ND	--	ND	--	ND	--	ND	--
	Chrysene	--	--	ND	--	ND	--	ND	--	ND	--
	Dibenz(a,h)anthracene	--	--	ND	--	ND	--	ND	--	ND	--
	Fluorene	--	--	ND	--	ND	--	ND	--	ND	--
	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	ND	--	ND	--	ND	--
	Naphthalene	--	--	ND	--	ND	--	ND	--	ND	--
	Phenanthrene	--	--	ND	--	ND	--	ND	--	ND	--
	Pyrene	--	--	ND	--	ND	--	ND	--	ND	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
	Benzene	5	MCL	ND	--	ND	--	ND	--	ND	--
	Cumene	--	--	ND	--	ND	--	ND	--	ND	--
	Ethylbenzene	700	MCL	ND	--	ND	--	ND	--	ND	--
	m,p-Xylene	--	--	ND	--	ND	--	ND	--	ND	--
	n-Butylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
	n-Propylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
	o-Xylene	--	--	ND	--	ND	--	ND	--	ND	--
	sec-Butylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
	tert-Butylbenzene	--	--	ND	--	ND	--	ND	--	ND	--
Toluene	1000	MCL	ND	--	ND	--	ND	--	ND	--	
Xylenes, Total	10000	MCL	ND	--	ND	--	ND	--	ND	--	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	--	ND	--	ND	--

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	E1-MAKA0017		E1-MAKA0033		E1-MAKA0036		E1-MIDW0007																	
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:
				E1-TW-0000361-24092-N	E1-TW-0000361-24092-N-H	E1-TW-0010716-24092-N	E1-TW-0010716-24092-N-H	E1-TW-0010718-24092-N	E1-TW-0010718-24092-N-H	E1-TW-0000366-24092-N	E1-TW-0000366-24092-N-H																
				2024-08-26	2024-08-26	2024-09-20	2024-09-20	2024-08-07	2024-08-07	2024-08-28	2024-08-28																
				N (Normal)	N (Normal)																						
Trihalomethanes (ppb)	Bromoform	--	--	ND	--	0.360	--	ND	--	ND	--																
	Chloroform	--	--	ND	--	ND	--	ND	--	ND	--																
	Dibromochloromethane	--	--	ND	--	0.270	--	ND	--	ND	--																
	Total Trihalomethanes	80	MCL	ND	--	0.630	--	ND	--	ND	--																

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Drinking Water Samples Collected in July 2024 - September 2024 from Residences in Zone E1

		Location ID: E1-SAMO4819			
		Location Type: Residence			
		Address: 4819 Samoa Place			
		Field Sample ID: E1-TW-0000368-24092-N	E1-TW-0000368-24092-N-H		
		Sample Date: 2024-09-20	2024-09-20		
		Sample Type: N (Normal)	N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	--
	E. coli	--	--	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	1.00	1.00
Field Test (ppb)	Free Chlorine	4000	MCL	290	620
Field Test (pH)	pH	--	--	7.27	7.26
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.270
Field Test (degrees Celcius)	Temperature	--	--	24.7	34.5
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.0210	0.00
	General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	57600
	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	9.00	--
	Lead	15	MCL	ND	--
	Mercury	2	MCL	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--
	2-Methylnaphthalene	--	--	ND	--
	Acenaphthylene	--	--	ND	--
	Anthracene	--	--	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	--
	Benzo(b)fluoranthene	--	--	ND	--

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		Location Type: Residence	
		Address: 4819 Samoa Place	
		Field Sample ID: E1-TW-0000368-24092-N	E1-TW-0000368-24092-N-H
		Sample Date: 2024-09-20	2024-09-20
		Sample Type: N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level
Synthetic Organic Compounds (ppb)	Benzo(g,h,i)perylene	--	--
	Benzo(k)fluoranthene	--	--
	Chrysene	--	--
	Dibenz(a,h)anthracene	--	--
	Fluorene	--	--
	Indeno(1,2,3-c,d)pyrene	--	--
	Naphthalene	--	--
	Phenanthrene	--	--
	Pyrene	--	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--
	1,3,5-Trimethylbenzene	--	--
	Benzene	5	MCL
	Cumene	--	--
	Ethylbenzene	700	MCL
	m,p-Xylene	--	--
	n-Butylbenzene	--	--
	n-Propylbenzene	--	--
	o-Xylene	--	--
	sec-Butylbenzene	--	--
	tert-Butylbenzene	--	--
	Toluene	1000	MCL
	Xylenes, Total	10000	MCL
Trihalomethanes (ppb)	Bromodichloromethane	--	--

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		Location Type:	Residence	
		Address:	4819 Samoa Place	
		Field Sample ID:	E1-TW-0000368-24092-N	E1-TW-0000368-24092-N-H
		Sample Date:	2024-09-20	2024-09-20
		Sample Type:	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromoform	--	--	ND
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	ND

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Drinking Water Samples Collected in July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24183-N-1	E1-TW-0015244-24183-N-2	E1-TW-0015244-24183-N-3	E1-TW-0015244-24183-N-4	E1-TW-0015244-24183-N-5	E1-TW-0015244-24183-N-5-H	E1-TW-0015244-24214-N-1	E1-TW-0015244-24214-3-N-1
				Sample Date:	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-26	2024-07-26	2024-08-21	2024-08-21
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent	Absent	Absent	Absent	--	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	--	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND	ND	ND	ND	13.0	11.0	
Field Test (ppb)	Free Chlorine	4000	MCL	330	260	480	440	330	350	390	--	
Field Test (pH)	pH	--	--	7.24	7.22	7.09	7.21	7.25	7.33	7.18	--	
Field Test (ms/cm)	Specific Conductivity	--	--	0.290	0.280	0.260	0.260	0.210	0.210	0.250	--	
Field Test (degrees Celcius)	Temperature	--	--	27.2	26.1	26.6	25.8	26.7	26.7	26.0	--	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.110	0.220	0.390	0.490	0.480	0.860	--	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	51500	53600	51400	53600	56100	--	54300	54800	
	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	7.20	12.1	26.6	13.3	30.1	--	9.00	8.80	
	Lead	15	MCL	ND	0.130	0.160	0.260	0.250	--	0.180	0.180	
	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	
	Acenaphthylene	--	--	--	--	--	--	--	--	ND	ND	
	Anthracene	--	--	--	--	--	--	--	--	ND	ND	

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				Sample Date:	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-26	2024-07-26	2024-08-21	2024-08-21	
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)						
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	ND	
	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Chrysene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Fluorene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	ND	ND	ND	
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	Phenanthrene	--	--	--	--	--	--	--	--	ND	ND	ND	ND
Pyrene	--	--	--	--	--	--	--	--	--	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	
	Cumene	--	--	--	--	--	--	--	--	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	
	n-Butylbenzene	--	--	--	--	--	--	--	--	ND	ND	ND	
	n-Propylbenzene	--	--	--	--	--	--	--	--	ND	ND	ND	
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	--	ND	ND	
	sec-Butylbenzene	--	--	--	--	--	--	--	--	ND	ND	ND	

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				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24183-N-1	E1-TW-0015244-24183-N-2	E1-TW-0015244-24183-N-3	E1-TW-0015244-24183-N-4	E1-TW-0015244-24183-N-5	E1-TW-0015244-24183-N-5-H	E1-TW-0015244-24214-N-1	E1-TW-0015244-24214-3-N-1
				Sample Date:	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-26	2024-07-26	2024-08-21	2024-08-21
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Volatile Organic Compounds (ppb)	tert-Butylbenzene	--	--	--	--	--	--	--	--	--	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	--	--	0.470	0.700	0.310	0.520	0.350	--	0.900	0.950	
	Chloroform	--	--	ND	ND	ND	ND	ND	--	ND	ND	
	Dibromochloromethane	--	--	0.290	0.410	ND	0.320	0.250	--	0.430	0.460	
	Total Trihalomethanes	80	MCL	0.760	1.11	0.310	0.840	0.600	--	1.33	1.41	

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
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
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Drinking Water Samples Collected in July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24214-N-2	E1-TW-0015244-24214-N-3	E1-TW-0015244-24214-N-4	E1-TW-0015244-24214-N-4-H	E1-TW-0015244-24214-N-5	E1-TW-0015244-24214-N-5-H	E1-TW-0015244-24214-3-N-4	E1-TW-0015244-24214-3-N-4-H
				Sample Date:	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	FD (Field Duplicate)
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	--	--	6.00	12.0	30.0	72.0	6.00	3.00	28.0	54.0	
Field Test (ppb)	Free Chlorine	4000	MCL	410	760	470	490	460	610	--	--	
Field Test (pH)	pH	--	--	7.22	7.22	7.17	7.30	7.18	7.15	--	--	
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.250	0.250	0.250	0.250	0.250	--	--	
Field Test (degrees Celcius)	Temperature	--	--	26.2	29.1	26.0	25.7	26.3	24.9	--	--	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.840	0.960	0.00	0.0570	0.0370	0.00	--	--	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	53500	57100	55100	--	56700	--	54800	--	
	Total Organic Carbon	--	--	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 Oil)	--	--	ND	ND	ND	--	ND	--	ND	--	
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	--	ND	--	ND	--	
Metals (ppb)	Copper	1300	MCL	10.3	24.1	10.2	--	17.8	--	10.3	--	
	Lead	15	MCL	0.220	0.190	0.190	--	0.190	--	0.180	--	
	Mercury	2	MCL	ND	ND	ND	--	ND	--	ND	--	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	--	ND	--	ND	--	
	2-Methylnaphthalene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Acenaphthylene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Anthracene	--	--	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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Parts per Million (ppm)
Parts per Thousand (ppth)
§ - Exceeds Screening Level
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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 July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24214-N-2	E1-TW-0015244-24214-N-3	E1-TW-0015244-24214-N-4	E1-TW-0015244-24214-N-4-H	E1-TW-0015244-24214-N-5	E1-TW-0015244-24214-N-5-H	E1-TW-0015244-24214-3-N-4	E1-TW-0015244-24214-3-N-4-H
				Sample Date:	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Synthetic Organic Compounds (ppb)	Benzo(a)pyrene	0.2	MCL	ND	0.0210	ND	--	ND	--	ND	--	
	Benzo(b)fluoranthene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Benzo(g,h,i)perylene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Benzo(k)fluoranthene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Chrysene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Dibenz(a,h)anthracene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Fluorene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Naphthalene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Phenanthrene	--	--	ND	0.270	ND	--	ND	--	ND	--	
	Pyrene	--	--	ND	ND	ND	--	ND	--	ND	--	
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	--	ND	--	ND	--	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Benzene	5	MCL	ND	ND	ND	--	ND	--	ND	--	
	Cumene	--	--	ND	ND	ND	--	ND	--	ND	--	
	Ethylbenzene	700	MCL	ND	ND	ND	--	ND	--	ND	--	
	m,p-Xylene	--	--	ND	ND	ND	--	ND	--	ND	--	
	n-Butylbenzene	--	--	ND	ND	ND	--	ND	--	ND	--	
	n-Propylbenzene	--	--	ND	ND	ND	--	ND	--	ND	--	
	o-Xylene	--	--	ND	ND	ND	--	ND	--	ND	--	
sec-Butylbenzene	--	--	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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Parts per Million (ppm)
Parts per Thousand (ppth)
§ - Exceeds Screening Level
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Drinking Water Samples Collected in July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24214-N-2	E1-TW-0015244-24214-N-3	E1-TW-0015244-24214-N-4	E1-TW-0015244-24214-N-4-H	E1-TW-0015244-24214-N-5	E1-TW-0015244-24214-N-5-H	E1-TW-0015244-24214-3-N-4	E1-TW-0015244-24214-3-N-4-H
				Sample Date:	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21	2024-08-21
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Volatile Organic Compounds (ppb)	tert-Butylbenzene	--	--	ND	ND	ND	--	ND	--	ND	--	--
	Toluene	1000	MCL	ND	ND	ND	--	ND	--	ND	--	--
	Xylenes, Total	10000	MCL	ND	ND	ND	--	ND	--	ND	--	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	--	ND	--	ND	--	--
	Bromoform	--	--	0.940	0.950	0.480	--	0.950	--	0.450	--	--
	Chloroform	--	--	ND	ND	ND	--	ND	--	ND	--	--
	Dibromochloromethane	--	--	0.460	0.460	0.280	--	0.480	--	0.290	--	--
	Total Trihalomethanes	80	MCL	1.40	1.41	0.760	--	1.43	--	0.740	--	--

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
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N (Normal) = Full compliance sample
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Drinking Water Samples Collected in July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24245-N-1	E1-TW-0015244-24245-N-2	E1-TW-0015244-24245-N-3	E1-TW-0015244-24245-N-4	E1-TW-0015244-24245-N-4-H	E1-TW-0015244-24245-N-5	E1-TW-0015244-24245-N-5-H	E1-TW-0015244-24245-3-N-5
				Sample Date:	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)				
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	--	--	2.00	1.00	42.0	47.0	36.0	9.00	1.00	12.0	
Field Test (ppb)	Free Chlorine	4000	MCL	400	370	970	420	450	340	440	--	
Field Test (pH)	pH	--	--	7.19	7.28	7.28	7.24	7.24	7.20	7.22	--	
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	0.260	0.260	0.270	0.260	0.260	0.260	--	
Field Test (degrees Celcius)	Temperature	--	--	25.3	25.7	28.1	26.5	25.6	26.3	25.8	--	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.980	0.690	0.640	0.170	0.160	0.160	0.0240	--	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	54500	54000	54700	52600	--	54600	--	54900	
	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	7.30	8.30	19.5	10.2	--	21.3	--	18.7	
	Lead	15	MCL	0.130	0.180	0.190	0.230	--	0.310	--	0.210	
	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	
	Acenaphthylene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Anthracene	--	--	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 July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24245-N-1	E1-TW-0015244-24245-N-2	E1-TW-0015244-24245-N-3	E1-TW-0015244-24245-N-4	E1-TW-0015244-24245-N-4-H	E1-TW-0015244-24245-N-5	E1-TW-0015244-24245-N-5-H	E1-TW-0015244-24245-3-N-5
				Sample Date:	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)				
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	
	Benzo(b)fluoranthene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Benzo(g,h,i)perylene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Benzo(k)fluoranthene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Chrysene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Dibenz(a,h)anthracene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Fluorene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Naphthalene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Phenanthrene	--	--	ND	ND	ND	ND	--	ND	--	ND	
Volatile Organic Compounds (ppb)	Pyrene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Benzene	5	MCL	ND	ND	ND	ND	--	ND	--	ND	
	Cumene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Ethylbenzene	700	MCL	ND	ND	ND	ND	--	ND	--	ND	
	m,p-Xylene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	n-Butylbenzene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	n-Propylbenzene	--	--	ND	ND	ND	ND	--	ND	--	ND	
	o-Xylene	--	--	ND	ND	ND	ND	--	ND	--	ND	
sec-Butylbenzene	--	--	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 July 2024 - September 2024 from Schools in Zone E1

				E1-BLDG0364								
				School								
				HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364								
				Field Sample ID:	E1-TW-0015244-24245-N-1	E1-TW-0015244-24245-N-2	E1-TW-0015244-24245-N-3	E1-TW-0015244-24245-N-4	E1-TW-0015244-24245-N-4-H	E1-TW-0015244-24245-N-5	E1-TW-0015244-24245-N-5-H	E1-TW-0015244-24245-3-N-5
				Sample Date:	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)				
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Volatile Organic Compounds (ppb)	tert-Butylbenzene	--	--	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	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Bromoform	--	--	0.790	0.930	0.830	0.490	--	0.630	--	0.890	
	Chloroform	--	--	ND	ND	ND	ND	--	ND	--	ND	
	Dibromochloromethane	--	--	0.430	0.460	0.420	0.280	--	0.360	--	0.450	
	Total Trihalomethanes	80	MCL	1.22	1.39	1.25	0.770	--	0.990	--	1.34	

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 July 2024 - September 2024 from Schools in Zone E1

		Location ID:	E1-BLDG0364
		Location Type:	School
		Address:	HALE KEIKI SCHOOL, 153 Bougainville Dr, Building 364
		Field Sample ID:	E1-TW-0015244- 24245-3-N-5-H
		Sample Date:	2024-09-04
		Sample Type:	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--
			6.00

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 July 2024 - September 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-0015290-24183-N-1	E1-TW-0015290-24183-N-2	E1-TW-0015290-24214-N-1	E1-TW-0015290-24214-N-2	E1-TW-0015290-24245-N-1	E1-TW-0015290-24245-N-2	E1-TW-0015290-24245-3-N-1
				Sample Date:	2024-07-01	2024-07-01	2024-08-02	2024-08-02	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	FD (Field Duplicate)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND	2.00	1.00	16.0	9.00	
Field Test (ppb)	Free Chlorine	4000	MCL	320	330	510	310	590	160	--	
Field Test (pH)	pH	--	--	7.34	7.49	7.38	7.42	7.32	7.28	--	
Field Test (ms/cm)	Specific Conductivity	--	--	0.280	0.250	0.260	0.260	0.270	0.270	--	
Field Test (degrees Celcius)	Temperature	--	--	26.4	26.1	29.6	29.9	26.4	32.7	--	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.910	0.480	0.690	0.570	1.48	1.30	--	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	51000	51000	58000	57800	52500	53000	53200	
	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	9.30	12.7	13.4	14.0	12.9	13.0	11.7	
	Lead	15	MCL	ND	ND	ND	0.190	ND	ND	ND	
	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	

Summary of Chemistry Results

Zone E1

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

Notes:
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Parts per Million (ppm)
Parts per Thousand (ppth)
§ - Exceeds Screening Level
-- = No Information Available
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N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 - September 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-0015290-24183-N-1	E1-TW-0015290-24183-N-2	E1-TW-0015290-24214-N-1	E1-TW-0015290-24214-N-2	E1-TW-0015290-24245-N-1	E1-TW-0015290-24245-N-2	E1-TW-0015290-24245-3-N-1
				Sample Date:	2024-07-01	2024-07-01	2024-08-02	2024-08-02	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	FD (Field Duplicate)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Synthetic Organic Compounds (ppb)	Acenaphthylene	--	--	--	--	--	--	--	ND	ND	ND
	Anthracene	--	--	--	--	--	--	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	--	--	--	--	--	ND	ND	ND
	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	ND	ND	ND
	Benzo(k)fluoranthene	--	--	--	--	--	--	--	ND	ND	ND
	Chrysene	--	--	--	--	--	--	--	ND	ND	ND
	Dibenz(a,h)anthracene	--	--	--	--	--	--	--	ND	ND	ND
	Fluorene	--	--	--	--	--	--	--	ND	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	--	--	--	--	--	--	--	ND	ND	ND
	Pyrene	--	--	--	--	--	--	--	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
	Cumene	--	--	--	--	--	--	--	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

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 July 2024 - September 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-0015290-24183-N-1	E1-TW-0015290-24183-N-2	E1-TW-0015290-24214-N-1	E1-TW-0015290-24214-N-2	E1-TW-0015290-24245-N-1	E1-TW-0015290-24245-N-2	E1-TW-0015290-24245-3-N-1
				Sample Date:	2024-07-01	2024-07-01	2024-08-02	2024-08-02	2024-09-04	2024-09-04	2024-09-04
				Sample Type:	N (Normal)	FD (Field Duplicate)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Volatile Organic Compounds (ppb)	n-Butylbenzene	--	--	--	--	--	--	--	ND	ND	ND
	n-Propylbenzene	--	--	--	--	--	--	--	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	--	--	--	--	--	--	--	ND	ND	ND
	tert-Butylbenzene	--	--	--	--	--	--	--	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	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	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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Parts per Million (ppm)
Parts per Thousand (ppth)
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N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in July 2024 - September 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-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24214	E1-DL-0017787-24214	E1-DL-0017787-24214	E1-DL-0017787-24245	E1-DL-0017799-24183	E1-DL-0017799-24214
			-N	-N-R1	-N-R2	-N	-3-N	-N	-N	-N	-N
		Sample Date:	2024-07-26	2024-07-31	2024-08-07	2024-08-28	2024-08-28	2024-09-30	2024-07-26	2024-08-26	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	738	ND	ND	300	300	23.0	2.00	104
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	630	440	30.0	--	20.0	20.0	20.0
Field Test (pH)	pH	--	--	8.23	7.34	7.32	8.39	--	7.92	8.33	8.83
Field Test (ms/cm)	Specific Conductivity	--	--	0.230	0.260	0.230	0.280	--	0.270	0.240	0.280
Field Test (degrees Celcius)	Temperature	--	--	26.2	24.2	25.4	26.5	--	26.6	27.3	27.4
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.690	0.930	1.28	0.780	--	0.00	0.880	0.0850
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	75900	--	--	72800	71500	64600	73200	71900
	Total Organic Carbon	--	--	300	--	--	330	350	270	ND	210
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
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	--	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	--	--	ND	ND	ND	ND	ND
	Acenaphthylene	--	--	--	--	--	ND	ND	ND	--	ND
	Anthracene	--	--	--	--	--	ND	ND	ND	--	ND
	Benzo(a)pyrene	0.2	MCL	ND	--	--	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	--	--	--	ND	ND	ND	--	ND
	Benzo(g,h,i)perylene	--	--	--	--	--	ND	ND	ND	--	ND
	Benzo(k)fluoranthene	--	--	--	--	--	ND	ND	ND	--	ND
Chrysene	--	--	--	--	--	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 July 2024 - September 2024 from Hydrants in Zone E1

		E1-HYD1081						E1-HYD1216			
		Hydrant						Hydrant			
		Hydrant 920						FH 1216			
		Field Sample ID:	E1-DL-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24214	E1-DL-0017787-24214	E1-DL-0017787-24245	E1-DL-0017799-24183	E1-DL-0017799-24214	
			-N	-N-R1	-N-R2	-N	-3-N	-N	-N	-N	
		Sample Date:	2024-07-26	2024-07-31	2024-08-07	2024-08-28	2024-08-28	2024-09-30	2024-07-26	2024-08-26	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Synthetic Organic Compounds (ppb)	Dibenz(a,h)anthracene	--	--	--	--	--	ND	ND	ND	--	ND
	Fluorene	--	--	--	--	--	ND	ND	ND	--	ND
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	ND	ND	ND	--	ND
	Naphthalene	--	--	ND	--	--	ND	ND	ND	ND	ND
	Phenanthrene	--	--	--	--	--	ND	ND	ND	--	ND
	Pyrene	--	--	--	--	--	ND	ND	ND	--	ND
	Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	ND	ND	ND
1,2-Dibromoethane (EDB)		--	--	--	--	--	--	--	ND	--	--
1,3,5-Trimethylbenzene		--	--	ND	--	--	ND	ND	ND	ND	ND
2-(2-Methoxy ethoxy)ethanol		--	--	--	--	--	--	--	ND	--	--
Benzene		5	MCL	ND	--	--	ND	ND	ND	ND	ND
Cumene		--	--	--	--	--	ND	ND	ND	--	ND
Ethylbenzene		700	MCL	ND	--	--	ND	ND	ND	ND	ND
m,p-Xylene		--	--	ND	--	--	ND	ND	ND	ND	ND
n-Butylbenzene		--	--	--	--	--	ND	ND	ND	--	ND
n-Propylbenzene		--	--	--	--	--	ND	ND	ND	--	ND
o-Xylene		--	--	ND	--	--	ND	ND	ND	ND	ND
sec-Butylbenzene		--	--	--	--	--	ND	ND	ND	--	ND
tert-Butylbenzene		--	--	--	--	--	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	--	--	0.610	--	--	1.20	1.20	0.970	1.50	1.70
	Bromoform	--	--	4.30	--	--	6.20	6.10	4.70	13.8	20.4

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 July 2024 - September 2024 from Hydrants in Zone E1

		E1-HYD1081						E1-HYD1216			
		Hydrant						Hydrant			
		Hydrant 920						FH 1216			
		Field Sample ID:	E1-DL-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24183	E1-DL-0017787-24214	E1-DL-0017787-24214	E1-DL-0017787-24245	E1-DL-0017799-24183	E1-DL-0017799-24214	
			-N	-N-R1	-N-R2	-N	-3-N	-N	-N	-N	
		Sample Date:	2024-07-26	2024-07-31	2024-08-07	2024-08-28	2024-08-28	2024-09-30	2024-07-26	2024-08-26	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Trihalomethanes (ppb)	Chloroform	--	--	ND	--	--	0.480	0.510	0.510	0.390	0.500
	Dibromochloromethane	--	--	1.90	--	--	3.10	3.10	2.40	4.90	6.00
	Total Trihalomethanes	80	MCL	6.81	--	--	11.0	10.9	8.58	20.6	28.6

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 July 2024 - September 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 2250		FH 2250		
		Field Sample ID: E1-DL-0017799-24245	E1-DL-0000589-24183	E1-DL-0000589-24214	E1-DL-0000589-24245	E1-DL-0017800-24183	E1-DL-0017800-24214	E1-DL-0017800-24245		
		-N	-N	-N	-N	-N	-N	-N		
		Sample Date: 2024-09-30	2024-07-26	2024-08-26	2024-09-30	2024-07-26	2024-08-26	2024-09-30		
		Sample Type: 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	--	--	98.0	ND	ND	ND	ND	12.0	45.0
Field Test (ppb)	Free Chlorine	4000	MCL	20.0	500	320	340	380	320	410
Field Test (pH)	pH	--	--	8.45	7.41	7.04	7.33	7.39	7.04	7.33
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.210	0.250	0.250	0.210	0.250	0.250
Field Test (degrees Celcius)	Temperature	--	--	28.2	28.0	25.6	27.4	27.3	25.2	25.8
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.990	0.240	0.350	1.00	0.760	0.190
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	69300	58500	53500	55900	56400	52800	54600
	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
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	Acenaphthylene	--	--	ND	--	ND	ND	--	ND	ND
	Anthracene	--	--	ND	--	ND	ND	--	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	--	--	ND	--	ND	ND	--	ND	ND
	Benzo(g,h,i)perylene	--	--	ND	--	ND	ND	--	ND	ND
	Benzo(k)fluoranthene	--	--	ND	--	ND	ND	--	ND	ND
Chrysene	--	--	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 July 2024 - September 2024 from Hydrants in Zone E1

		Location ID: E1-HYD1216		E1-HYD2249				E1-HYD2250		
		Location Type: Hydrant		Hydrant				Hydrant		
		Address: FH 1216		FH ID: 933				FH 2250		
		Field Sample ID: E1-DL-0017799-24245	E1-DL-0000589-24183	E1-DL-0000589-24214	E1-DL-0000589-24245	E1-DL-0017800-24183	E1-DL-0017800-24214	E1-DL-0017800-24245		
		-N	-N	-N	-N	-N	-N	-N		
		Sample Date: 2024-09-30	2024-07-26	2024-08-26	2024-09-30	2024-07-26	2024-08-26	2024-09-30		
		Sample Type: 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)	Dibenz(a,h)anthracene	--	--	ND	--	ND	ND	--	ND	ND
	Fluorene	--	--	ND	--	ND	ND	--	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	ND	ND	--	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	--	--	ND	--	ND	ND	--	ND	ND
	Pyrene	--	--	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
	Cumene	--	--	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
	n-Butylbenzene	--	--	ND	--	ND	ND	--	ND	ND
	n-Propylbenzene	--	--	ND	--	ND	ND	--	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	--	--	ND	--	ND	ND	--	ND	ND
	tert-Butylbenzene	--	--	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	--	--	1.70	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	17.9	ND	ND	ND	ND	ND	ND

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

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), 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 July 2024 - September 2024 from Hydrants in Zone E1

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	E1-HYD2249				E1-HYD2250		
				E1-HYD1216	E1-DL-0000589-24183	E1-DL-0000589-24214	E1-DL-0000589-24245	E1-DL-0017800-24183	E1-DL-0017800-24214	E1-DL-0017800-24245	
				Location Type:	Hydrant				Hydrant		
				Address:	FH 1216				FH 2250		
				Field Sample ID:	E1-DL-0017799-24245	E1-DL-0000589-24183	E1-DL-0000589-24214	E1-DL-0000589-24245	E1-DL-0017800-24183	E1-DL-0017800-24214	E1-DL-0017800-24245
				Sample Date:	-N						
				Sample Type:	2024-09-30	2024-07-26	2024-08-26	2024-09-30	2024-07-26	2024-08-26	2024-09-30
					N (Normal)						
Trihalomethanes (ppb)	Chloroform	--	--	0.380	ND						
	Dibromochloromethane	--	--	6.40	ND						
	Total Trihalomethanes	80	MCL	26.4	ND						