

Summary of Chemistry Results
Zone C1
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
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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 from Child Development Centers in Zone C1

				C1-BLDG1655 Child Development Center Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd						
				Field Sample ID:	C1-TW-0014751-24183-N-2	C1-TW-0014751-24183-N-2-H	C1-TW-0014751-24183-N-1	C1-TW-0014751-24183-3-N-1	C1-TW-0014751-24183-N-1-H	C1-TW-0014751-24183-3-N-1-H
				Sample Date:	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	--	--	
	E. coli	--	--	Absent	--	Absent	Absent	--	--	
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND	ND	ND	ND	
Field Test (ppb)	Free Chlorine	4000	MCL	260	690	460	--	390	--	
Field Test (pH)	pH	--	--	7.22	7.34	7.32	--	7.44	--	
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.250	0.250	--	0.260	--	
Field Test (degrees Celcius)	Temperature	--	--	22.5	38.9	29.8	--	42.7	--	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	9.86	4.06	3.96	--	4.73	--	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	52800	--	52400	54200	--	--	
	Total Organic Carbon	--	--	ND	--	ND	ND	--	--	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	--	ND	ND	--	--	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	--	ND	ND	--	--	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	--	ND	ND	--	--	
	Petroleum Hydrocarbons, Total	--	--	ND	--	ND	ND	--	--	
Metals (ppb)	Copper	1300	MCL	16.0	--	13.0	13.0	--	--	
	Lead	15	MCL	ND	--	ND	ND	--	--	
	Mercury	2	MCL	ND	--	ND	ND	--	--	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND	ND	--	--	
	2-Methylnaphthalene	--	--	ND	--	ND	ND	--	--	
	Benzo(a)pyrene	0.2	MCL	ND	--	ND	ND	--	--	

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				Field Sample ID:	C1-TW-0014751-24183-N-2	C1-TW-0014751-24183-N-2-H	C1-TW-0014751-24183-N-1	C1-TW-0014751-24183-3-N-1	C1-TW-0014751-24183-N-1-H	C1-TW-0014751-24183-3-N-1-H
				Sample Date:	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Synthetic Organic Compounds (ppb)	Naphthalene	--	--	ND	--	ND	ND	--	--	
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	ND	ND	--	--	
	1,3,5-Trimethylbenzene	--	--	ND	--	ND	ND	--	--	
	Benzene	5	MCL	ND	--	ND	ND	--	--	
	Ethylbenzene	700	MCL	ND	--	ND	ND	--	--	
	m,p-Xylene	--	--	ND	--	ND	ND	--	--	
	o-Xylene	--	--	ND	--	ND	ND	--	--	
	Toluene	1000	MCL	ND	--	ND	ND	--	--	
	Xylenes, Total	10000	MCL	ND	--	ND	ND	--	--	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	ND	--	--	
	Bromoform	--	--	ND	--	ND	ND	--	--	
	Chloroform	--	--	ND	--	ND	ND	--	--	
	Dibromochloromethane	--	--	ND	--	ND	ND	--	--	
	Total Trihalomethanes	80	MCL	ND	--	ND	ND	--	--	

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Drinking Water Samples Collected in July 2024 from Hydrants in Zone C1

		Location ID:	C1-HYD1183		C1-HYD1765	C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: 512		FH ID: FH 503	FHID: 563	FHID: 479	FHID: 413	FHID: 530A
		Field Sample ID:	C1-DL-0000531-24183 -N	C1-DL-0000531-24183 -3-N	C1-DL-0000526-24183 -N	C1-DL-0017789-24183 -N	C1-DL-0017791-24183 -N	C1-DL-0017788-24183 -N	C1-DL-0017790-24183 -N
		Sample Date:	2024-07-26	2024-07-26	2024-07-26	2024-07-26	2024-07-26	2024-07-26	2024-07-26
		Sample Type:	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						
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	--	--	10.0	28.0	ND	ND	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	30.0	--	150	300	650	240
Field Test (pH)	pH	--	--	8.56	--	7.42	7.47	7.28	7.39
Field Test (ms/cm)	Specific Conductivity	--	--	0.280	--	0.250	0.260	0.250	0.260
Field Test (degrees Celcius)	Temperature	--	--	30.0	--	28.8	29.5	27.2	32.1
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	--	0.240	0.520	0.900	0.950
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	75700	78100	55400	58800	55800	56100
	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
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
	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

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		Location ID:	C1-HYD1183		C1-HYD1765	C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817	
		Location Type:	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: 512		FH ID: FH 503	FHID: 563	FHID: 479	FHID: 413	FHID: 530A	
		Field Sample ID:	C1-DL-0000531-24183	C1-DL-0000531-24183	C1-DL-0000526-24183	C1-DL-0017789-24183	C1-DL-0017791-24183	C1-DL-0017788-24183	C1-DL-0017790-24183	
		Sample Date:	-N	-3-N	-N	-N	-N	-N	-N	
		Sample Type:	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)	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	--	--	0.820	0.830	ND	0.620	ND	0.760	0.570
	Bromoform	--	--	3.30	3.30	1.50	3.10	ND	4.20	6.20
	Chloroform	--	--	0.310	0.320	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.60	1.50	0.770	1.70	ND	2.50	2.40
	Total Trihalomethanes	80	MCL	6.03	5.95	2.27	5.42	ND	7.46	9.17

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Drinking Water Samples Collected in July 2024 from Other Buildings in Zone C1

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0584 Medical Building Building 584,CAREER INFORMATION CENTER, 2367 North Rd		C1-BLDG1407 Medical Building Building 1407,MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd		C1-BLDG1514 Medical Building Building 1514,SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	C1-BLDG1535 Medical Building Building 1535,MEDICAL CLINIC/SARP-PEARL HARBOR, B1535 North Road	
				Field Sample ID: C1-TW-0014693-24183-N	Field Sample ID: C1-TW-0014693-24183-N-H	Field Sample ID: C1-TW-0014730-24183-N	Field Sample ID: C1-TW-0014730-24183-N-H	Field Sample ID: C1-TW-0014738-24183-N	Field Sample ID: C1-TW-0014739-24183-N	Field Sample ID: C1-TW-0014739-24183-N-H
				Sample Date: 2024-07-08	Sample Date: 2024-07-08	Sample Date: 2024-07-10	Sample Date: 2024-07-10	Sample Date: 2024-07-01	Sample Date: 2024-07-05	Sample Date: 2024-07-05
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	--	Absent	--	Absent	Absent	--
	E. coli	--	--	Absent	--	Absent	--	Absent	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	6.00	ND	2.00	ND	ND	6.00	ND
Field Test (ppb)	Free Chlorine	4000	MCL	40.0	200	260	100	310	470	40.0
Field Test (pH)	pH	--	--	7.86	7.71	6.97	6.99	7.25	7.32	7.74
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.260	0.250	0.280	0.310	0.240	0.260
Field Test (degrees Celcius)	Temperature	--	--	24.8	29.9	22.5	50.8	28.0	25.9	30.7
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	5.14	6.74	0.100	0.670	0.900	12.8	11.7
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	59600	--	55300	--	54400	52400	--
	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	6.40	--	65.2	--	18.6	52.5	--
	Lead	15	MCL	ND	--	0.210	--	0.420	ND	--
	Mercury	2	MCL	ND	--	ND	--	ND	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND	--	ND	ND	--
	2-Methylnaphthalene	--	--	ND	--	ND	--	ND	ND	--

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				Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
Synthetic Organic Compounds (ppb)	Benzo(a)pyrene	0.2	MCL	ND	--	ND	--	ND	ND	--
	Naphthalene	--	--	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	--
	Ethylbenzene	700	MCL	ND	--	ND	--	ND	ND	--
	m,p-Xylene	--	--	ND	--	ND	--	ND	ND	--
	o-Xylene	--	--	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	--
	Bromoform	--	--	1.50	--	0.390	--	2.20	ND	--
	Chloroform	--	--	ND	--	ND	--	ND	ND	--
	Dibromochloromethane	--	--	0.600	--	ND	--	0.680	ND	--
	Total Trihalomethanes	80	MCL	2.10	--	0.390	--	2.88	ND	--