

Summary of Chemistry Results
Zone B1
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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Drinking Water Samples Collected in July 2024 from Residences in Zone B1

		Location ID:		B1-KAEE2855B		B1-MAKU2907A		B1-MCGR0635		B1-MCGR0657	
		Location Type:		Residence		Residence		Residence		Residence	
		Address:		2855B Kaee Loop		2907A Makuu Loop		635 McGrew Loop		657 McGrew Loop	
		Field Sample ID:		B1-TW-0017477-24092-N	B1-TW-0017477-24092-N-H	B1-TW-0017644-24092-N	B1-TW-0017644-24092-N-H	B1-TW-0009400-24092-N	B1-TW-0009400-24092-N-H	B1-TW-0009404-24092-N	B1-TW-0009404-24092-N-H
		Sample Date:		2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18
		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	--	--	35.0	10.0	12.0	ND	ND	ND	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	330	40.0	210	80.0	490	270	530	380
Field Test (pH)	pH	--	--	7.33	7.60	7.31	7.49	7.26	7.43	7.32	7.42
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.240	0.270	0.260	0.270	0.250	0.270
Field Test (degrees Celcius)	Temperature	--	--	23.9	45.5	24.3	49.4	24.5	39.5	23.8	37.6
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.00	0.00	0.00	0.520	0.550	0.380	0.270
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56700	--	57100	--	57000	--	55200	--
	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	16.6	--	10.1	--	49.9	--	22.5	--
	Lead	15	MCL	0.230	--	ND	--	0.440	--	ND	--
	Mercury	2	MCL	ND	--	ND	--	ND	--	ND	--
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	ND	--
	2-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	ND	--
	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	--

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		Residence		Residence		Residence		Residence			
		2855B Kaee Loop		2907A Makuu Loop		635 McGrew Loop		657 McGrew Loop			
		Field Sample ID:	B1-TW-0017477-24092-N	B1-TW-0017477-24092-N-H	B1-TW-0017644-24092-N	B1-TW-0017644-24092-N-H	B1-TW-0009400-24092-N	B1-TW-0009400-24092-N-H	B1-TW-0009404-24092-N	B1-TW-0009404-24092-N-H	
		Sample Date:	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	
		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)	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	--	--	ND	--	0.410	--	ND	--	ND	--
	Chloroform	--	--	ND	--	ND	--	ND	--	ND	--
	Dibromochloromethane	--	--	ND	--	ND	--	ND	--	ND	--
	Total Trihalomethanes	80	MCL	ND	--	0.410	--	ND	--	ND	--

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Drinking Water Samples Collected in July 2024 from Residences in Zone B1

		Location ID:		B1-MCGR0730		B1-MCGR0777		B1-OLIA2927C	
		Location Type:		Residence		Residence		Residence	
		Address:		730 McGrew Loop		777 McGrew Loop		2927C Oliana Loop	
		Field Sample ID:		B1-TW-0009414-24092-N	B1-TW-0009414-24092-N-H	B1-TW-0009419-24092-N	B1-TW-0009419-24092-N-H	B1-TW-0017577-24092-N	B1-TW-0017577-24092-N-H
		Sample Date:		2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18
		Sample Type:		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	--
	E. coli	--	--	Absent	--	Absent	--	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND	2.00	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	530	300	530	350	230	40.0
Field Test (pH)	pH	--	--	7.18	7.33	7.26	7.39	7.26	7.42
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.270	0.250	0.270	0.240	0.260
Field Test (degrees Celcius)	Temperature	--	--	24.3	40.7	24.4	40.2	26.5	43.8
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.810	0.650	0.380	0.250	0.390	0.0560
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56400	--	57800	--	56400	--
	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	36.4	--	111	--	10.5	--
	Lead	15	MCL	0.190	--	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	--
	Naphthalene	--	--	ND	--	ND	--	ND	--
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	ND	--	ND	--
	1,3,5-Trimethylbenzene	--	--	ND	--	ND	--	ND	--

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		Location ID: B1-MCGR0730		B1-MCGR0777		B1-OLIA2927C			
		Residence		Residence		Residence			
		730 McGrew Loop		777 McGrew Loop		2927C Oliana Loop			
		Field Sample ID:	B1-TW-0009414-24092-N	B1-TW-0009414-24092-N-H	B1-TW-0009419-24092-N	B1-TW-0009419-24092-N-H	B1-TW-0017577-24092-N	B1-TW-0017577-24092-N-H	
		Sample Date:	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	2024-07-18	
		Sample Type:	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)	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 B1

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	B1-HYD541	
				B1-HYD0006	B1-DL-0000512-24183	B1-DL-0000512-24183
				Location Type:	Hydrant	
				Address:	FH 6 (B1-HYD545) FH ID: 8	
				Field Sample ID:	B1-DL-0017728-24183-N	B1-DL-0000512-24183-N
				Sample Date:	2024-07-18	2024-07-18
				Sample Type:	N (Normal)	N (Normal)
						B1-DL-0000512-24183-3-N
						2024-07-18
						FD (Field Duplicate)
Bacterial Test (in 100 mL)	Coliform	--	--	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	490	500	--
Field Test (pH)	pH	--	--	7.30	7.25	--
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.240	--
Field Test (degrees Celcius)	Temperature	--	--	25.1	24.4	--
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.170	--
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	57000	58700	56900
	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
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	B1-HYD541	
				B1-HYD0006	B1-DL-0000512-24183	B1-DL-0000512-24183
				Hydrant	Hydrant	
				FH 6 (B1-HYD545)	FH ID: 8	
				Field Sample ID: B1-DL-0017728-24183-N	B1-DL-0000512-24183-N	B1-DL-0000512-24183-3-N
				Sample Date: 2024-07-18	2024-07-18	2024-07-18
				Sample Type: N (Normal)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	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