

Summary of Chemistry Results

Zone C3

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
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Drinking Water Samples Collected in July 2024 - September 2024 from Residences in Zone C3

		Location ID: C3-CROM4943		C3-FORD2158		
		Location Type: Residence		Residence		
		Address: 4943 Crommelin Street		2158 Ford Island Way		
		Field Sample ID: C3-TW-0015815-24092-N	C3-TW-0015815-24092-N-H	C3-TW-0012181-24092-N		
		Sample Date: 2024-07-26	2024-07-26	2024-07-26		
		Sample Type: 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	2.00
Field Test (ppb)	Free Chlorine	4000	MCL	180	20.0	530
Field Test (pH)	pH	--	--	7.20	9.21	7.25
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.270	0.240
Field Test (degrees Celcius)	Temperature	--	--	26.6	40.7	26.2
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.350	0.500	0.440
	General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55500	--
	Total Organic Carbon	--	--	ND	--	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	--	ND
	Petroleum Hydrocarbons, Total	--	--	ND	--	ND
Metals (ppb)	Copper	1300	MCL	14.8	--	52.3
	Lead	15	MCL	0.360	--	0.400
	Mercury	2	MCL	ND	--	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND
	2-Methylnaphthalene	--	--	ND	--	ND
	Benzo(a)pyrene	0.2	MCL	ND	--	ND
	Naphthalene	--	--	ND	--	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	--	ND
	1,3,5-Trimethylbenzene	--	--	ND	--	ND

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		Location Type: Residence		Residence		Residence	
		Address: 4943 Crommelin Street		4943 Crommelin Street		2158 Ford Island Way	
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		Sample Date: 2024-07-26		2024-07-26		2024-07-26	
		Sample Type: 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	
	Ethylbenzene	700	MCL	ND	--	ND	
	m,p-Xylene	--	--	ND	--	ND	
	o-Xylene	--	--	ND	--	ND	
	Toluene	1000	MCL	ND	--	ND	
	Xylenes, Total	10000	MCL	ND	--	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	
	Bromoform	--	--	ND	--	ND	
	Chloroform	--	--	ND	--	ND	
	Dibromochloromethane	--	--	ND	--	ND	
	Total Trihalomethanes	80	MCL	ND	--	ND	

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Drinking Water Samples Collected in July 2024 - September 2024 from Hydrants in Zone C3

		Location ID: C3-HYD1026			C3-HYD2298				
		Location Type: Hydrant			Hydrant				
		Address: FH ID: 230			FH ID: 177				
		Field Sample ID: C3-DL-0000538-24183	C3-DL-0000538-24214	C3-DL-0000538-24245	C3-DL-0017798-24183	C3-DL-0017798-24214	C3-DL-0017798-24245		
		-N	-N	-N	-N	-N	-N		
		Sample Date: 2024-07-26	2024-08-13	2024-09-26	2024-07-26	2024-08-13	2024-09-26		
		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	Absent	Absent	Absent
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	4.00	5.00	ND	5.00	26.0
Field Test (ppb)	Free Chlorine	4000	MCL	480	480	70.0	180	360	140
Field Test (pH)	pH	--	--	7.15	7.24	7.24	7.40	7.27	7.21
Field Test (ms/cm)	Specific Conductivity	--	--	0.250	0.270	0.250	0.250	0.260	0.250
Field Test (degrees Celcius)	Temperature	--	--	26.9	26.4	26.4	29.3	29.0	30.2
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.560	1.32	0.540	0.610	1.28	0.770
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	58800	55600	55300	57800	55900	54200
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	310
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

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		-N	-N	-N	-N	-N	-N		
		Sample Date: 2024-07-26	2024-08-13	2024-09-26	2024-07-26	2024-08-13	2024-09-26		
		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						
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	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	ND	--	--	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	ND	--	--	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	--	--	ND	ND	ND	0.370	ND	ND
	Bromoform	--	--	ND	ND	ND	3.00	0.730	1.30

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				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type						
				C3-DL-0000538-24183 -N	2024-07-26	N (Normal)	C3-DL-0000538-24214 -N	2024-08-13	N (Normal)	C3-DL-0000538-24245 -N	2024-09-26	N (Normal)			
							C3-DL-0017798-24183 -N	2024-07-26	N (Normal)	C3-DL-0017798-24214 -N	2024-08-13	N (Normal)	C3-DL-0017798-24245 -N	2024-09-26	N (Normal)
Trihalomethanes (ppb)	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Dibromochloromethane	--	--	ND	ND	ND	1.40	0.410	0.710						
	Total Trihalomethanes	80	MCL	ND	ND	ND	4.77	1.14	2.01						