

**Summary of Chemistry Results**  
**Zone D4**  
**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 D4**

		Location ID: D4-HYD1941			D4-HYD2390				
		Location Type: Hydrant			Hydrant				
		Address: FH 1941			FH 2390				
		Field Sample ID: D4-DL-0017801-24183	D4-DL-0017801-24214	D4-DL-0017801-24245	D4-DL-0017802-24183	D4-DL-0017802-24214	D4-DL-0017802-24245		
		-N	-N	-N	-N	-N	-N		
		Sample Date: 2024-07-26	2024-08-19	2024-09-09	2024-07-26	2024-08-19	2024-09-16		
		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	
	E. coli	--	--	Absent	Absent	Absent	Absent	Absent	
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND	14.0	4.00	ND	7.00	2.00
Field Test (ppb)	Free Chlorine	4000	MCL	670	390	710	650	310	530
Field Test (pH)	pH	--	--	7.31	7.26	7.26	7.30	7.29	7.30
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.260	0.270	0.240	0.260	0.280
Field Test (degrees Celcius)	Temperature	--	--	27.3	25.9	27.8	27.3	27.3	27.9
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.630	0.300	1.04	0.840	1.08	0.260
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	56100	56200	55200	60100	54300	59700
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	250
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	0.0210	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	Sample Date: 2024-08-19	Sample Date: 2024-09-09	Sample Date: 2024-07-26	Sample Date: 2024-08-19	Sample Date: 2024-09-16		
		Sample Type: 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	ND	ND	0.250
	Bromoform	--	--	ND	ND	0.310	0.550	0.720	0.870

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		-N	-N	-N	-N	-N	-N
		Sample Date: 2024-07-26	Sample Date: 2024-08-19	Sample Date: 2024-09-09	Sample Date: 2024-07-26	Sample Date: 2024-08-19	Sample Date: 2024-09-16
		Sample Type: N (Normal)					
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Trihalomethanes (ppb)	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.530	0.510
	Total Trihalomethanes	80	MCL	ND	ND	0.310	1.08
						1.23	1.83

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**Drinking Water Samples Collected in July 2024 - September 2024 from Other Buildings in Zone D4**

				Location ID: D4-BLDG3365H Location Type: Medical Building Address: Building 3365H, CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd						
				Field Sample ID:	D4-TW-0015687-24183-N	D4-TW-0015687-24183-N-H	D4-TW-0015687-24214-N	D4-TW-0015687-24214-N-H	D4-TW-0015687-24245-N	D4-TW-0015687-24245-N-H
				Sample Date:	2024-07-05	2024-07-05	2024-08-02	2024-08-02	2024-09-05	2024-09-05
				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	ND	30.0	3.00	
Field Test (ppb)	Free Chlorine	4000	MCL	150	1860	50.0	490	40.0	50.0	
Field Test (pH)	pH	--	--	7.24	7.26	7.20	7.30	7.26	7.32	
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	0.270	0.240	0.250	0.300	0.320	
Field Test (degrees Celcius)	Temperature	--	--	27.5	35.7	27.8	37.0	27.2	44.4	
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.130	0.160	1.36	1.13	0.760	0.850	
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	52300	--	58300	--	53600	--	
	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	93.5	--	181	--	254	--	
	Lead	15	MCL	0.650	--	0.730	--	0.970	--	
	Mercury	2	MCL	ND	--	ND	--	ND	--	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	
	2-Methylnaphthalene	--	--	ND	--	ND	--	ND	--	

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				Sample Date:	2024-07-05	2024-07-05	2024-08-02	2024-08-02	2024-09-05	2024-09-05
				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)	Acenaphthylene	--	--	--	--	--	--	--	ND	--
	Anthracene	--	--	--	--	--	--	--	ND	--
	Benzo(a)pyrene	0.2	MCL	ND	--	ND	--	--	ND	--
	Benzo(b)fluoranthene	--	--	--	--	--	--	--	ND	--
	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	ND	--
	Benzo(k)fluoranthene	--	--	--	--	--	--	--	ND	--
	Chrysene	--	--	--	--	--	--	--	ND	--
	Dibenz(a,h)anthracene	--	--	--	--	--	--	--	ND	--
	Fluorene	--	--	--	--	--	--	--	ND	--
	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	ND	--
	Naphthalene	--	--	ND	--	ND	--	--	ND	--
	Phenanthrene	--	--	--	--	--	--	--	ND	--
	Pyrene	--	--	--	--	--	--	--	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	--
	Cumene	--	--	--	--	--	--	--	ND	--
	Ethylbenzene	700	MCL	ND	--	ND	--	--	ND	--
	m,p-Xylene	--	--	ND	--	ND	--	--	ND	--

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				Sample Date:	2024-07-05	2024-07-05	2024-08-02	2024-08-02	2024-09-05	2024-09-05
				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)	n-Butylbenzene	--	--	--	--	--	--	--	ND	--
	n-Propylbenzene	--	--	--	--	--	--	--	ND	--
	o-Xylene	--	--	ND	--	ND	--	--	ND	--
	sec-Butylbenzene	--	--	--	--	--	--	--	ND	--
	tert-Butylbenzene	--	--	--	--	--	--	--	ND	--
	Toluene	1000	MCL	ND	--	ND	--	--	ND	--
	Xylenes, Total	10000	MCL	ND	--	ND	--	--	ND	--
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	--	--	ND	--
	Bromoform	--	--	0.350	--	0.450	--	--	0.400	--
	Chloroform	--	--	ND	--	ND	--	--	ND	--
	Dibromochloromethane	--	--	ND	--	ND	--	--	ND	--
	Total Trihalomethanes	80	MCL	0.350	--	0.450	--	--	0.400	--