

**Summary of Chemistry Results**  
**Zone I1**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

<b>Notes:</b>
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ISP = Incident Specific Parameter
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**Drinking Water Samples Collected in July 2024 from Residences in Zone I1**

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	I1-TAMP1608		I1-TAMP1668			
				Field Sample ID	Sample Date	Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location ID: I1-TAMP1608		Location ID: I1-TAMP1668			
				Location Type: Residence		Location Type: Residence			
				Address: 1608 Tampa Drive		Address: 1668 Tampa Drive			
				I1-TW-0014029-24092	I1-TW-0014029-24092	I1-TW-0014034-24092	I1-TW-0014034-24092	I1-TW-0014034-24092	I1-TW-0014034-24092
				-A	-A-H	-A	-3-A	-A-H	-3-A-H
				2024-07-17	2024-07-17	2024-07-17	2024-07-17	2024-07-17	2024-07-17
				N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	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	ND	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	670	300	340	--	280	--
Field Test (pH)	pH	--	--	7.24	7.31	7.21	--	7.40	--
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.280	0.250	--	0.290	--
Field Test (degrees Celcius)	Temperature	--	--	28.8	43.6	26.4	--	40.4	--
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.260	0.630	0.200	--	0.240	--
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	61400	--	63800	63600	--	--
	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	9.50	--	8.60	8.50	--	--
	Lead	15	MCL	0.540	--	0.240	0.230	--	--
	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: I1-TAMP1608		Location ID: I1-TAMP1668			
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type
				Residence 1608 Tampa Drive		Residence 1668 Tampa Drive			
				I1-TW-0014029-24092 -A	I1-TW-0014029-24092 -A-H	I1-TW-0014034-24092 -A	I1-TW-0014034-24092 -3-A	I1-TW-0014034-24092 -A-H	I1-TW-0014034-24092 -3-A-H
				2024-07-17	2024-07-17	2024-07-17	2024-07-17	2024-07-17	2024-07-17
				N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
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	--	--	0.330	--	ND	ND	--	--
	Bromoform	--	--	0.470	--	ND	ND	--	--
	Chloroform	--	--	0.350	--	ND	ND	--	--
	Dibromochloromethane	--	--	0.380	--	ND	ND	--	--
	Total Trihalomethanes	80	MCL	1.53	--	ND	ND	--	--

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**Drinking Water Samples Collected in July 2024 from Schools in Zone I1**

		Location ID: I1-ALAK1265							
		Location Type: School							
		Address: Red Hill Elementary School, 1265 Ala Kula Place							
		Field Sample ID:		I1-TW-0011966-24183	I1-TW-0011966-24183	I1-TW-0011966-24183	I1-TW-0011966-24183	I1-TW-0011966-24183	I1-TW-0011966-24183
				-A-5	-A-4	-A-1	-A-1-H	-A-2	-A-3
		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)	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	ND	21.0	8.00	ND	ND
Field Test (ppb)	Free Chlorine	4000	MCL	90.0	100	100	130	60.0	280
Field Test (pH)	pH	--	--	7.66	7.75	8.27	8.15	7.78	7.80
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.260	0.260	0.270	0.260	0.250
Field Test (degrees Celcius)	Temperature	--	--	24.2	25.5	28.3	40.3	27.5	27.3
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.160	0.00	0.470	0.410	0.310
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	60300	60100	61800	--	58700	56000
	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	61.9	58.4	33.5	--	35.0	10.8
	Lead	15	MCL	ND	0.190	0.190	--	ND	ND
	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
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	--	ND	0.0200
	Naphthalene	--	--	ND	ND	ND	--	ND	ND

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				<b>Location ID:</b> I1-ALAK1265 <b>Location Type:</b> School <b>Address:</b> Red Hill Elementary School, 1265 Ala Kula Place						
				<b>Field Sample ID:</b>	I1-TW-0011966-24183 -A-5	I1-TW-0011966-24183 -A-4	I1-TW-0011966-24183 -A-1	I1-TW-0011966-24183 -A-1-H	I1-TW-0011966-24183 -A-2	I1-TW-0011966-24183 -A-3
				<b>Sample Date:</b>	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05	2024-07-05
				<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>							
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	
	Ethylbenzene	700	MCL	ND	ND	ND	--	ND	ND	
	m,p-Xylene	--	--	ND	ND	ND	--	ND	ND	
	o-Xylene	--	--	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	--	--	0.650	0.730	0.640	--	0.680	0.690	
	Bromoform	--	--	4.90	4.80	6.90	--	4.30	4.20	
	Chloroform	--	--	ND	ND	ND	--	ND	ND	
	Dibromochloromethane	--	--	2.30	2.70	2.40	--	2.40	2.50	
	Total Trihalomethanes	80	MCL	7.85	8.23	9.94	--	7.38	7.39	

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**Drinking Water Samples Collected in July 2024 from Hydrants in Zone I1**

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
				<b>Location ID:</b> I1-HYD1324A <b>Location Type:</b> Hydrant <b>Address:</b> HYD-1324A <b>Field Sample ID:</b> 11-DL-0000642-24183-A <b>Sample Date:</b> 2024-07-26 <b>Sample Type:</b> N (Normal)
Bacterial Test (in 100 mL)	Coliform	--	--	Absent
	E. coli	--	--	Absent
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	ND
Field Test (ppb)	Free Chlorine	4000	MCL	410
Field Test (pH)	pH	--	--	7.43
Field Test (ms/cm)	Specific Conductivity	--	--	0.270
Field Test (degrees Celcius)	Temperature	--	--	31.5
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.980
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	65100
	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
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND
	2-Methylnaphthalene	--	--	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Naphthalene	--	--	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND
	1,3,5-Trimethylbenzene	--	--	ND
	Benzene	5	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND

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		<b>Location ID:</b>	I1-HYD1324A	
		<b>Location Type:</b>	Hydrant	
		<b>Address:</b>	HYD-1324A	
		<b>Field Sample ID:</b>	11-DL-0000642-24183-A	
		<b>Sample Date:</b>	2024-07-26	
		<b>Sample Type:</b>	N (Normal)	
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>	
Volatile Organic Compounds (ppb)	o-Xylene	--	--	ND
	Toluene	1000	MCL	ND
	Xylenes, Total	10000	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.630
	Bromoform	--	--	2.00
	Chloroform	--	--	0.310
	Dibromochloromethane	--	--	1.40
	Total Trihalomethanes	80	MCL	4.34