

Summary of Chemistry Results

Zone G1

Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Notes:
ND = Not Detected
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All Results shown in Parts per Billion (ppb), with the exception of Field and Bacterial Test results
Parts per Million (ppm)
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Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone G1

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	G1-ANDE0755		G1-ANDE0761		G1-ANDE0763	G1-BAUG2133		G1-BAUG2151
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Location Type:
				Residence 755 Anderson Road		Residence 761 Anderson Road		Residence 763 Anderson Road	Residence 2133 Baugh Road		Residence 2151 Baugh Road
				G1-TW-0009359-24092-N	G1-TW-0009359-24092-N-H	G1-TW-0009360-24092-N	G1-TW-0009360-24092-N-H	G1-TW-0009361-24092-N	G1-TW-0009362-24092-N	G1-TW-0009362-24092-N-H	G1-TW-0009363-24092-N
				2024-10-29	2024-10-29	2024-10-29	2024-10-29	2024-11-12	2024-10-30	2024-10-30	2024-10-29
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	--	--	ND	38.0	1.00	8.00	--	5.00	24.0	6.00
Field Test (ppb)	Free Chlorine	4000	MCL	290	200	350	300	150	310	470	390
Field Test (pH)	pH	--	--	7.54	7.59	7.37	7.44	7.26	7.27	7.36	7.64
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.280	0.260	0.280	0.270	0.290	0.300	0.290
Field Test (degrees Celcius)	Temperature	--	--	24.4	35.5	27.2	31.8	22.3	24.8	37.7	28.0
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.00	0.00	0.00	0.00	0.0370	0.160	0.00
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	57300	--	57900	--	58400	59000	--	58800
	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	10.5	--	18.2	--	14.9	13.5	--	17.2
	Lead	15	MCL	ND	--	0.270	--	0.290	0.210	--	0.290
	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
	Acenaphthylene	--	--	ND	--	ND	--	ND	ND	--	ND
	Anthracene	--	--	ND	--	ND	--	ND	ND	--	ND
	Benzo(a)pyrene	0.2	MCL	ND	--	ND	--	ND	ND	--	ND

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Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone G1

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	G1-ANDE0755 Residence 755 Anderson Road		G1-ANDE0761 Residence 761 Anderson Road		G1-ANDE0763 Residence 763 Anderson Road	G1-BAUG2133 Residence 2133 Baugh Road		G1-BAUG2151 Residence 2151 Baugh Road
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
Volatile Organic Compounds (ppb)	Xylenes, Total	10000	MCL	ND	--	ND	--	ND	ND	--	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	--	ND	--	0.370	0.330	--	0.300
	Bromoform	--	--	0.850	--	1.30	--	2.00	1.90	--	1.70
	Chloroform	--	--	ND	--	ND	--	ND	ND	--	ND
	Dibromochloromethane	--	--	0.500	--	0.810	--	1.10	1.10	--	1.00
	Total Trihalomethanes	80	MCL	1.35	--	2.11	--	3.47	3.33	--	3.00

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Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone G1

		Location ID:	G1-BAUG2151	
		Location Type:	Residence	
		Address:	2151 Baugh Road	
		Field Sample ID:	G1-TW-0009363-24092-N-H	
		Sample Date:	2024-10-29	
		Sample Type:	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	37.0
Field Test (ppb)	Free Chlorine	4000	MCL	570
Field Test (pH)	pH	--	--	7.61
Field Test (ms/cm)	Specific Conductivity	--	--	0.280
Field Test (degrees Celcuis)	Temperature	--	--	35.9
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00

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Drinking Water Samples Collected in October 2024 - December 2024 from Hydrants in Zone G1

		Location ID: G1-HYD879				
		Location Type: Hydrant				
		Address: FH ID: 3				
		Field Sample ID:	G1-DL-0000616-24275-N	G1-DL-0000616-24306-N	G1-DL-0000616-24336-N	
		Sample Date:	2024-10-29	2024-11-12	2024-12-09	
		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	--	--
	E. coli	--	--	Absent	--	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	2.00	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	1210	170	150
Field Test (pH)	pH	--	--	7.41	7.40	7.38
Field Test (ms/cm)	Specific Conductivity	--	--	0.270	0.260	0.240
Field Test (degrees Celcius)	Temperature	--	--	24.5	25.1	24.7
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.00	0.00350	0.280
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	57100	58400	59200
	Total Organic Carbon	--	--	220	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
	Acenaphthylene	--	--	ND	ND	ND
	Anthracene	--	--	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Benzo(b)fluoranthene	--	--	ND	ND	ND
	Benzo(g,h,i)perylene	--	--	ND	ND	ND
	Benzo(k)fluoranthene	--	--	ND	ND	ND
	Chrysene	--	--	ND	ND	ND

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		Location ID: G1-HYD879				
		Location Type: Hydrant				
		Address: FH ID: 3				
		Field Sample ID: G1-DL-0000616-24275-N	G1-DL-0000616-24306-N	G1-DL-0000616-24336-N		
		Sample Date: 2024-10-29	2024-11-12	2024-12-09		
		Sample Type: 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
	Fluorene	--	--	ND	ND	ND
	Indeno(1,2,3-c,d)pyrene	--	--	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND
	Phenanthrene	--	--	ND	ND	ND
	Pyrene	--	--	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	ND	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	ND	--	--
	Benzene	5	MCL	ND	ND	ND
	Cumene	--	--	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	n-Butylbenzene	--	--	ND	ND	ND
	n-Propylbenzene	--	--	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	sec-Butylbenzene	--	--	ND	ND	ND
	tert-Butylbenzene	--	--	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.350	0.470	0.320
	Bromoform	--	--	2.90	3.70	3.00

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		Sample Type: N (Normal)	N (Normal)	N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level			
Trihalomethanes (ppb)	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	1.40	1.60	1.20
	Total Trihalomethanes	80	MCL	4.65	5.77	4.52