

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone C2

		Location ID:	C2-HALE4609	C2-HALE4625	C2-HALE4639	C2-HALE4651	C2-MARI0202	
		Location Type:	Residence	Residence	Residence	Residence	Residence	
		Address:	4609 Hale Alii Avenue	4625 Hale Alii Avenue	4639 Hale Alii Avenue	4651 Hale Alii Avenue	202 Marine Barracks Way	
		Field Sample ID:	C2-TW-0012432-24092-N	C2-TW-0012431-24092-N	C2-TW-0012430-24092-N	C2-TW-0012429-24092-N	C2-TW-0015758-24092-N	
		Sample Date:	2024-04-30	2024-05-08	2024-05-08	2024-04-29	2024-04-29	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Field Test (ppb)	Free Chlorine	4000	MCL	510	700	760	430	460
Field Test (pH)	pH	--	--	7.40	7.38	7.37	7.35	7.29
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.220	0.230	0.220	0.250
Field Test (degrees Celcius)	Temperature	--	--	24.3	25.1	23.7	27.0	24.6
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.0170	9.88	0.00	0.00	3.23
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	45000	53300	62600	48800	55000
	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	41.8	18.2	35.6	17.4	8.50
	Lead	15	MCL	ND	ND	ND	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	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND
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

Summary of Chemistry Results
Zone C2
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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone C2

		Location ID:	C2-HALE4609	C2-HALE4625	C2-HALE4639	C2-HALE4651	C2-MARI0202	
		Location Type:	Residence	Residence	Residence	Residence	Residence	
		Address:	4609 Hale Alii Avenue	4625 Hale Alii Avenue	4639 Hale Alii Avenue	4651 Hale Alii Avenue	202 Marine Barracks Way	
		Field Sample ID:	C2-TW-0012432-24092-N	C2-TW-0012431-24092-N	C2-TW-0012430-24092-N	C2-TW-0012429-24092-N	C2-TW-0015758-24092-N	
		Sample Date:	2024-04-30	2024-05-08	2024-05-08	2024-04-29	2024-04-29	
		Sample Type:	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)	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	--	--	ND	ND	ND	0.510	ND
	Bromoform	--	--	0.440	0.480	0.410	1.30	0.490
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.400	0.490	0.440	1.20	0.330
	Total Trihalomethanes	80	MCL	0.840	0.970	0.850	3.01	0.820

Summary of Chemistry Results
Zone C2
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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		C2-HYD1230				C2-HYD2089					
		Hydrant				Hydrant					
		C2-FH209B				C2-FH204					
		C2-DL-0017792-24092	C2-DL-0017792-24092	C2-DL-0017792-24122	C2-DL-0017792-24153	C2-DL-0017795-24092	C2-DL-0017795-24122	C2-DL-0017795-24122	C2-DL-0017795-24153		
		-N	-3-N	-N	-N	-N	-N	-3-N	-N		
		2024-04-29	2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-05-08	2024-05-08	2024-06-13		
		N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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		
Field Test (ppb)	Free Chlorine	4000	MCL	420	--	270	490	150	90.0	--	20.0
Field Test (pH)	pH	--	--	7.38	--	7.46	7.27	8.63	8.59	--	7.98
Field Test (ms/cm)	Specific Conductivity	--	--	0.260	--	0.240	--	0.260	0.250	--	--
Field Test (degrees Celcius)	Temperature	--	--	28.6	--	28.0	--	25.6	27.3	--	--
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.540	--	0.340	0.120	0.390	0.700	--	0.980
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55000	50000	54100	53400	60000	65300	63400	66500
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	0.0130	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	--	ND	--	--	--	ND
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	--	ND	--	--	--	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		C2-HYD1230				C2-HYD2089			
		Hydrant				Hydrant			
		C2-FH209B				C2-FH204			
		C2-DL-0017792-24092	C2-DL-0017792-24092	C2-DL-0017792-24122	C2-DL-0017792-24153	C2-DL-0017795-24092	C2-DL-0017795-24122	C2-DL-0017795-24122	C2-DL-0017795-24153
		-N	-3-N	-N	-N	-N	-N	-3-N	-N
		2024-04-29	2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-05-08	2024-05-08	2024-06-13
		N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level						
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	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	--	--	0.270	0.270	0.570	ND	ND	0.410
	Bromoform	--	--	4.30	4.70	3.50	0.580	3.90	7.00
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.10	1.10	2.10	0.400	0.370	1.20
	Total Trihalomethanes	80	MCL	5.67	6.07	6.17	0.980	4.27	8.61

Summary of Chemistry Results
Zone C2
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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		Location ID: C2-HYD421			C2-HYD424			C2-HYD650			
		Location Type: Hydrant			Hydrant			Hydrant			
		Address: C2-FH246			FH ID: 315			Hydrant 268			
		Field Sample ID: C2-DL-0017796-24092	C2-DL-0017796-24122	C2-DL-0017796-24153	C2-DL-0000534-24092	C2-DL-0000534-24122	C2-DL-0000534-24153	C2-DL-0017794-24092	C2-DL-0017794-24092	C2-DL-0017794-24092	
		-N	-N	-N	-N	-N	-N	-N	-N	-3-N	
		Sample Date: 2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-04-29	2024-04-29	
		Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	
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	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	460	590	470	320	510	530	490	--
Field Test (pH)	pH	--	--	7.34	7.35	7.29	7.34	7.33	7.33	7.37	--
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.230	--	0.230	0.240	--	0.220	--
Field Test (degrees Celcius)	Temperature	--	--	25.1	25.6	--	24.7	23.5	--	24.1	--
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.600	0.630	1.01	1.55	0.00150	0.300	0.300	--
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	48800	53300	51300	48800	52400	53400	50000	50000
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	--	ND	--	--	ND	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	--	ND	--	--	ND	--	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		Location ID: C2-HYD421			C2-HYD424			C2-HYD650		
		Location Type: Hydrant			Hydrant			Hydrant		
		Address: C2-FH246			FH ID: 315			Hydrant 268		
		Field Sample ID: C2-DL-0017796-24092	C2-DL-0017796-24122	C2-DL-0017796-24153	C2-DL-0000534-24092	C2-DL-0000534-24122	C2-DL-0000534-24153	C2-DL-0017794-24092	C2-DL-0017794-24092	C2-DL-0017794-24092
		-N	-N	-N	-N	-N	-N	-N	-N	-3-N
		Sample Date: 2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-05-08	2024-06-13	2024-04-29	2024-04-29	2024-04-29
		Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	0.300
	Bromoform	--	--	ND	ND	ND	ND	0.330	0.650	0.740
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.400	ND	ND	0.420	0.590
	Total Trihalomethanes	80	MCL	ND	ND	0.400	ND	ND	0.750	1.24

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C2-HYD650		C2-HYD656				C2-HYD660	
				Hydrant	Hydrant	Hydrant 268		Hydrant 301		Hydrant 303	
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				C2-DL-0017794-24122	C2-DL-0017794-24153	C2-DL-0017793-24092	C2-DL-0017793-24122	C2-DL-0017793-24122	C2-DL-0017793-24153	C2-DL-0017797-24092	C2-DL-0017797-24122
				-N	-N	-N	-N	-3-N	-N	-N	-N
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2024-05-08	2024-06-13	2024-04-29	2024-05-08	2024-05-08	2024-06-13	2024-04-29	2024-05-08
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Bacterial Test (in 100 mL)	Coliform	--	--	--	Absent	--	--	--	Absent	--	--
	E. coli	--	--	--	Absent	--	--	--	Absent	--	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	2.00	--	--	--	2.00	--	--
Field Test (ppb)	Free Chlorine	4000	MCL	560	390	60.0	100	--	70.0	460	560
Field Test (pH)	pH	--	--	7.39	7.34	7.59	7.65	--	7.53	7.34	7.51
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	--	0.220	0.240	--	--	0.220	0.240
Field Test (degrees Celcius)	Temperature	--	--	23.5	--	25.0	25.3	--	--	25.3	23.9
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.160	0.380	0.0220	0.300	--	0.700	0.00	0.180
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	53000	51800	50000	56500	54300	54800	52500	50600
	Total Organic Carbon	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	0.0270	ND	ND	ND	ND	ND	ND
	Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane (EDB)	--	--	--	ND	--	--	--	ND	--	--
	1,3,5-Trimethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	--	ND	--	--	--	ND	--	--
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C2-HYD650		C2-HYD656				C2-HYD660				
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:
				C2-DL-0017794-24122	Hydrant	Hydrant 268	C2-DL-0017794-24122	C2-DL-0017794-24122	C2-DL-0017793-24092	C2-DL-0017793-24122	C2-DL-0017793-24122	C2-DL-0017793-24153	C2-DL-0017797-24092	C2-DL-0017797-24122
				-N			-N	-N	-N	-N	-3-N	-N	-N	-N
				2024-05-08			2024-06-13	2024-04-29	2024-05-08	2024-05-08	2024-06-13	2024-04-29	2024-05-08	
				N (Normal)			N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Volatile Organic Compounds (ppb)	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.550	0.420	0.610	0.560	0.540	0.800	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.810	0.390	ND	ND	ND	0.490	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.69	0.810	0.610	0.560	0.540	1.29	ND	ND	ND	ND	ND

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		Location ID:	C2-HYD660	
		Location Type:	Hydrant	
		Address:	Hydrant 303	
		Field Sample ID:	C2-DL-0017797-24153 -N	
		Sample Date:	2024-06-13	
		Sample Type:	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	--	--	ND
Field Test (ppb)	Free Chlorine	4000	MCL	410
Field Test (pH)	pH	--	--	7.37
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	1.19
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	53000
	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
	1,2-Dibromoethane (EDB)	--	--	ND
	1,3,5-Trimethylbenzene	--	--	ND
	2-(2-Methoxy ethoxy)ethanol	--	--	ND
	Benzene	5	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone C2

		Location ID:	C2-HYD660
		Location Type:	Hydrant
		Address:	Hydrant 303
		Field Sample ID:	C2-DL-0017797-24153 -N
		Sample Date:	2024-06-13
		Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level
Volatile Organic Compounds (ppb)	o-Xylene	--	--
	Toluene	1000	MCL
	Xylenes, Total	10000	MCL
Trihalomethanes (ppb)	Bromodichloromethane	--	--
	Bromoform	--	--
	Chloroform	--	--
	Dibromochloromethane	--	--
	Total Trihalomethanes	80	MCL

Summary of Chemistry Results
Zone C2
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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Other Buildings in Zone C2

		Location ID:		C2-BLDG1750			
		Location Type:		Medical Building			
		Address:		Building 1750,SHIPYARD MEDICAL CLINIC-PEARL HARBOR, 490 Central Ave			
		Field Sample ID:		C2-TW-0014833-24092-N	C2-TW-0014833-24122-N	C2-TW-0014833-24153-N	C2-TW-0014833-24153-N-H
		Sample Date:		2024-04-12	2024-05-03	2024-06-06	2024-06-06
		Sample Type:		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	--
	E. coli	--	--	--	--	Absent	--
Bacterial Test (MPN/mL)	Heterotrophic Plate Count	--	--	--	--	ND	2.00
Field Test (ppb)	Free Chlorine	4000	MCL	500	810	740	860
Field Test (pH)	pH	--	--	7.29	7.24	7.18	7.21
Field Test (ms/cm)	Specific Conductivity	--	--	0.240	0.240	0.250	0.250
Field Test (degrees Celcius)	Temperature	--	--	22.2	26.9	28.5	25.5
Field Test (nephelometric turbidity unit)	Turbidity	5	MCL	0.150	0.330	0.610	0.0980
General Chemistry (ppb)	Alkalinity, Total (as CaCO3)	--	--	55000	51300	51700	--
	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	65.1	69.7	44.7	--
	Lead	15	MCL	0.210	0.490	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	--

Summary of Chemistry Results

Zone C2

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
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
MPN/mL = Most probable number per milliliter

Drinking Water Samples Collected in April 2024 - June 2024 from Other Buildings in Zone C2

				C2-BLDG1750 Medical Building Building 1750,SHIPYARD MEDICAL CLINIC-PEARL HARBOR, 490 Central Ave				
				Field Sample ID:	C2-TW-0014833-24092-N	C2-TW-0014833-24122-N	C2-TW-0014833-24153-N	C2-TW-0014833-24153-N-H
				Sample Date:	2024-04-12	2024-05-03	2024-06-06	2024-06-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Synthetic Organic Compounds (ppb)	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	--	
	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	--	--	0.410	ND	ND	--	
	Chloroform	--	--	ND	ND	ND	--	
	Dibromochloromethane	--	--	0.450	ND	ND	--	
	Total Trihalomethanes	80	MCL	0.860	ND	ND	--	