

Summary of Chemistry Results
Zone B1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected in January - March 2024 from Residences in Zone B1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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§ - Exceeds Screening Level
-- = No Information Available
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		Location ID:		B1-HAPU2873A		B1-HAPU2873C		B1-HAPU2873D		B1-HEKA1177	B1-KAEE2853D
		Location Type:		Residence		Residence		Residence		Residence	Residence
		Address:		2873A Hapue Loop		2873C Hapue Loop		2873D Hapue Loop		1177 Hekau Street	2853D Kaee Loop
		Field Sample ID:		B1-TW-0000486-23327-N	B1-TW-0000486-23327-3-N	B1-TW-0017611-23327-N	B1-TW-0017611-23327-N-P	B1-TW-0017612-23327-N	B1-TW-0017612-23327-N-P	B1-TW-0010489-23327-N	B1-TW-0017586-23327-N
		Sample Date:		2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20
		Sample Type:		N (Normal)	FD (Field Duplicate)	N (Normal)	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	90.0	90.0	80.0	80.0	410	410	290	470
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	84.9	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	90.7	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	176	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	2.00	1.90	1.90	1.90	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.690	0.730	0.850	0.930	ND	1.40	ND	ND
	Copper	1300	MCL	20.2	20.2	19.6	19.3	14.5	14.1	118	9.10
	Lead	15	MCL	0.360	0.310	0.160	ND	ND	ND	0.240	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.10	0.830	1.00	ND	0.630	1.30	0.550	0.550
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:		Residence		Residence		Residence		Residence	Residence
		Address:		2873A Hapue Loop		2873C Hapue Loop		2873D Hapue Loop		1177 Hekau Street	2853D Kaee Loop
		Field Sample ID:		B1-TW-0000486-23327-N	B1-TW-0000486-23327-3-N	B1-TW-0017611-23327-N	B1-TW-0017611-23327-N-P	B1-TW-0017612-23327-N	B1-TW-0017612-23327-N-P	B1-TW-0010489-23327-N	B1-TW-0017586-23327-N
		Sample Date:		2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20
		Sample Type:		N (Normal)	FD (Field Duplicate)	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)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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		Sample Date:		2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20
		Sample Type:		N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.360	0.430	0.370	ND	ND	ND	0.810	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.320	ND	ND	ND	ND	0.590	ND
	Total Trihalomethanes	80	MCL	0.360	0.750	0.370	ND	ND	ND	1.40	ND

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		Location ID:	B1-KOKI2868C		B1-KOKI2868D	B1-KUPA2880F	B1-KUPA2888D	B1-MAKU2907F	B1-MCGR0413	B1-MCGR0442	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2868C Kokio Loop		2868D Kokio Loop	2880F Kupalii Loop	2888D Kupalii Loop	2907F Makuu Loop	413 McGrew Loop	442 McGrew Loop	
		Field Sample ID:	B1-TW-0017602-23327-N	B1-TW-0017602-23327-3-N	B1-TW-0017603-23327-N	B1-TW-0017627-23327-N	B1-TW-0017634-23327-N	B1-TW-0017649-23327-N	B1-TW-0010526-23327-N	B1-TW-0009368-23327-N	
		Sample Date:	2024-02-20	2024-02-20	2024-03-11	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20	
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	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	250	250	450	330	580	440	410	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	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	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.10	2.00	2.00	1.90	2.10	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	0.510	ND	0.680	ND	ND	ND
	Copper	1300	MCL	6.50	6.40	7.30	14.8	9.60	10.5	104	27.2
	Lead	15	MCL	ND	ND	ND	ND	0.180	0.200	0.570	0.160
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.610	0.490	1.40	0.440	0.410	0.530	0.570	0.930
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	0.0730
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	B1-KOKI2868C		B1-KOKI2868D	B1-KUPA2880F	B1-KUPA2888D	B1-MAKU2907F	B1-MCGR0413	B1-MCGR0442
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2868C Kokio Loop		2868D Kokio Loop	2880F Kupalii Loop	2888D Kupalii Loop	2907F Makuu Loop	413 McGrew Loop	442 McGrew Loop
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		Sample Date:	2024-02-20	2024-02-20	2024-03-11	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20
		Sample Type:	N (Normal)	FD (Field Duplicate)	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)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 2868C Kokio Loop		2868D Kokio Loop	2880F Kupalii Loop	2888D Kupalii Loop	2907F Makuu Loop	413 McGrew Loop	442 McGrew Loop
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				Sample Date: 2024-02-20	2024-02-20	2024-03-11	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	0.300
	Bromoform	--	--	0.370	0.460	0.260	ND	0.350	0.280	ND	0.550
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.300	0.380	ND	ND	ND	ND	ND	0.630
	Total Trihalomethanes	80	MCL	0.670	0.840	0.260	ND	0.350	0.280	ND	1.48

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		Location ID:		B1-MCGR0494	B1-MCGR0546	B1-MCGR0568	B1-MCGR0641			B1-MCGR0642	
		Location Type:		Residence	Residence	Residence	Residence			Residence	
		Address:		494 McGrew Loop	546 McGrew Loop	568 McGrew Loop	641 McGrew Loop			642 McGrew Loop	
		Field Sample ID:		B1-TW-0009374-23327-N	B1-TW-0009387-23327-N	B1-TW-0009391-23327-N	B1-TW-0009401-23327-N	B1-TW-0009401-23327-N-P	B1-TW-0009401-23327-3-N-P	B1-TW-0009402-23327-N	B1-TW-0009402-23327-3-N
		Sample Date:		2024-02-20	2024-02-20	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25
		Sample Type:		N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	490	250	710	660	660	660	480	480
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	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	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	1.80	1.90	2.00	2.00	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	0.770	0.710	1.10	1.10	0.700	0.830
	Copper	1300	MCL	41.6	48.1	65.9	49.5	53.0	53.4	140	135
	Lead	15	MCL	ND	ND	ND	ND	ND	ND	0.380	0.320
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.430	0.400	0.960	0.860	ND	ND	0.560	0.760
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone B1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected in January - March 2024 from Residences in Zone B1

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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	B1-MCGR0494	B1-MCGR0546	B1-MCGR0568	B1-MCGR0641			B1-MCGR0642	
				Location Type:	Residence	Residence	Residence	Residence			Residence	
				Address:	494 McGrew Loop	546 McGrew Loop	568 McGrew Loop	641 McGrew Loop			642 McGrew Loop	
				Field Sample ID:	B1-TW-0009374-23327-N	B1-TW-0009387-23327-N	B1-TW-0009391-23327-N	B1-TW-0009401-23327-N	B1-TW-0009401-23327-N-P	B1-TW-0009401-23327-3-N-P	B1-TW-0009402-23327-N	B1-TW-0009402-23327-3-N
				Sample Date:	2024-02-20	2024-02-20	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone B1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected in January - March 2024 from Residences in Zone B1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	B1-MCGR0494	B1-MCGR0546	B1-MCGR0568	B1-MCGR0641			B1-MCGR0642	
				Location Type:	Residence	Residence	Residence	Residence			Residence	
				Address:	494 McGrew Loop	546 McGrew Loop	568 McGrew Loop	641 McGrew Loop			642 McGrew Loop	
				Field Sample ID:	B1-TW-0009374-23327-N	B1-TW-0009387-23327-N	B1-TW-0009391-23327-N	B1-TW-0009401-23327-N	B1-TW-0009401-23327-N-P	B1-TW-0009401-23327-3-N-P	B1-TW-0009402-23327-N	B1-TW-0009402-23327-3-N
				Sample Date:	2024-02-20	2024-02-20	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25	2024-01-25
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.250	0.530	0.360	ND	ND	2.30	2.90	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.320	ND	ND	ND	1.00	1.20	
	Total Trihalomethanes	80	MCL	ND	0.250	0.850	0.360	ND	ND	3.30	4.10	

Summary of Chemistry Results
Zone B1 Long Term Monitoring
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Drinking Water Samples Collected in January - March 2024 from Residences in Zone B1

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		Location ID:	B1-MCGR0679	B1-MCGR0698	B1-MCGR0736	B1-MCGR0778	B1-MCGR0785	B1-MCGR0804	B1-MCGR0812	B1-OLIA2915C	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	679 McGrew Loop	698 McGrew Loop	736 McGrew Loop	778 McGrew Loop	785 McGrew Loop	804 McGrew Loop	812 McGrew Loop	2915C Oliana Loop	
		Field Sample ID:	B1-TW-0009406-23327-N	B1-TW-0009409-23327-N	B1-TW-0009415-23327-N	B1-TW-0009420-23327-N	B1-TW-0009421-23327-N	B1-TW-0009425-23327-N	B1-TW-0009427-23327-N	B1-TW-0017568-23327-N	
		Sample Date:	2024-01-25	2024-01-25	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	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	670	40.0	580	350	480	240	510	390
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	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	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	2.20	2.00	2.10	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.660	0.780	ND	0.800	ND	ND	ND	ND
	Copper	1300	MCL	88.6	3.20	135	126	37.3	122	84.4	13.9
	Lead	15	MCL	0.140	1.70	0.130	0.180	ND	ND	0.210	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.980	1.10	1.20	0.500	0.340	ND	ND	0.450
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone B1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected in January - March 2024 from Residences in Zone B1

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		Location ID:	B1-MCGR0679	B1-MCGR0698	B1-MCGR0736	B1-MCGR0778	B1-MCGR0785	B1-MCGR0804	B1-MCGR0812	B1-OLIA2915C
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	679 McGrew Loop	698 McGrew Loop	736 McGrew Loop	778 McGrew Loop	785 McGrew Loop	804 McGrew Loop	812 McGrew Loop	2915C Oliana Loop
		Field Sample ID:	B1-TW-0009406-23327-N	B1-TW-0009409-23327-N	B1-TW-0009415-23327-N	B1-TW-0009420-23327-N	B1-TW-0009421-23327-N	B1-TW-0009425-23327-N	B1-TW-0009427-23327-N	B1-TW-0017568-23327-N
		Sample Date:	2024-01-25	2024-01-25	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20
		Sample Type:	N (Normal)	N (Normal)	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)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	679 McGrew Loop	698 McGrew Loop	736 McGrew Loop	778 McGrew Loop	785 McGrew Loop	804 McGrew Loop	812 McGrew Loop	2915C Oliana Loop
		Field Sample ID:	B1-TW-0009406-23327-N	B1-TW-0009409-23327-N	B1-TW-0009415-23327-N	B1-TW-0009420-23327-N	B1-TW-0009421-23327-N	B1-TW-0009425-23327-N	B1-TW-0009427-23327-N	B1-TW-0017568-23327-N
		Sample Date:	2024-01-25	2024-01-25	2024-02-20	2024-01-25	2024-02-20	2024-02-20	2024-02-20	2024-02-20
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	1.30	0.270	ND	ND	ND	ND
	Bromoform	--	--	ND	7.40	0.700	0.690	ND	ND	0.550
	Chloroform	--	--	ND	0.780	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	4.40	0.630	0.670	ND	ND	0.410
	Total Trihalomethanes	80	MCL	ND	13.9	1.60	1.36	ND	ND	0.960

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	B1-OLIA2931C	B1-OLIA2931F
				Location ID: B1-OLIA2931C	Location ID: B1-OLIA2931F
				Location Type: Residence	Location Type: Residence
				Address: 2931C Oliana Loop	Address: 2931F Oliana Loop
				Field Sample ID: B1-TW-0017616-23327-N	Field Sample ID: B1-TW-0017619-23327-N
				Sample Date: 2024-01-25	Sample Date: 2024-02-20
				Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	420	290
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	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	266	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	1.90	2.00
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	0.720	ND
	Copper	1300	MCL	11.0	8.70
	Lead	15	MCL	0.220	ND
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	0.970	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	B1-OLIA2931C	B1-OLIA2931F
				Location Type:	Residence	Residence
				Address:	2931C Oliana Loop	2931F Oliana Loop
				Field Sample ID:	B1-TW-0017616-23327-N	B1-TW-0017619-23327-N
				Sample Date:	2024-01-25	2024-02-20
				Sample Type:	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	
	Benzene	5	MCL	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	
	m,p-Xylene	--	--	ND	ND	
	Methylene chloride	5	MCL	ND	ND	
	o-Xylene	--	--	ND	ND	
	Styrene	100	MCL	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	
	Toluene	1000	MCL	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	
	Vinyl chloride	2	MCL	ND	ND	
Xylenes, Total	10000	MCL	ND	ND		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	
	Chloroacetic acid	--	--	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	B1-OLIA2931C	B1-OLIA2931F
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	0.260	0.390
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	0.330
	Total Trihalomethanes	80	MCL	0.260	0.720

Location ID:	B1-OLIA2931C	B1-OLIA2931F
Location Type:	Residence	Residence
Address:	2931C Oliana Loop	2931F Oliana Loop
Field Sample ID:	B1-TW-0017616-23327-N	B1-TW-0017619-23327-N
Sample Date:	2024-01-25	2024-02-20
Sample Type:	N (Normal)	N (Normal)

Summary of Chemistry Results
Zone B1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected in January - March 2024 from Hydrants in Zone B1

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)
§ - 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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	B1-HYD0006	B1-HYD541
Field Test (ppb)	Free Chlorine	4000	MCL	490	490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	250	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	1.90	2.10
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	0.510	0.560
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	1.30	1.50
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location Information	
				Location ID	Location Type
				B1-HYD0006	B1-HYD541
				Hydrant	Hydrant
				FH 6 (B1-HYD545)	FH ID: 8
				B1-DL-0017728-23327-N	B1-DL-0000512-23327-N
				2024-03-11	2024-03-11
				N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND
	Vinyl chloride	2	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND

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Location ID:	B1-HYD0006	B1-HYD541
Location Type:	Hydrant	Hydrant
Address:	FH 6 (B1-HYD545)	FH ID: 8
Field Sample ID:	B1-DL-0017728-23327 -N	B1-DL-0000512-23327 -N
Sample Date:	2024-03-11	2024-03-11
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	B1-HYD0006	B1-HYD541
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	ND
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND