

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

<b>Notes:</b>
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
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				Location ID:	D3-KOKI0072	D3-KOKI0082	D3-KOKO0116	D3-KOKO0132	D3-LEHU0307	D3-LEHU0316	D3-LILI0135	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	72 Kokio Lane	82 Kokio Lane	116 Kokomalei Street	132 Kokomalei Street	307 Lehua Lane	316 Lehua Lane	135 Liliwai Street	
				Field Sample ID:	D3-TW-0009755-23162-N-T	D3-TW-0009759-23162-N-T	D3-TW-0009776-23162-N	D3-TW-0009788-23162-N	D3-TW-0009835-23162-N	D3-TW-0011199-23162-N-T	D3-TW-0011212-23162-N	D3-TW-0011212-23162-3-N
				Sample Date:	2023-06-29	2023-06-29	2023-09-07	2023-10-24	2023-10-16	2023-07-25	2023-08-10	2023-08-10
				Sample Type:	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									
Field Test (ppb)	Free Chlorine	4000	MCL	180	440	420	80.0	540	530	210	210	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	63.7	68.2	61.7	70.2	ND	ND	63.7	57.0	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	90.2	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	63.7	68.2	61.7	70.2	ND	90.2	63.7	57.0	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.00	1.90	1.90	1.90	2.10	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	0.170	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.10	2.10	0.670	0.760	0.710	0.710	0.700	0.680	
	Copper	1300	MCL	84.5	97.5	97.6	105	9.20	11.8	98.5	86.2	
	Lead	15	MCL	ND	0.310	ND	ND	0.170	0.170	0.410	0.460	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	2.30	1.90	1.60	2.30	1.80	1.20	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	0.0170	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	0.470	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	
				D3-KOKI0072	D3-KOKI0082	D3-KOKO0116	D3-KOKO0132	D3-LEHU0307	D3-LEHU0316	D3-LILI0135	
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	
				Address:	Address:	Address:	Address:	Address:	Address:	Address:	
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	
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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				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	72 Kokio Lane	82 Kokio Lane	116 Kokomalei Street	132 Kokomalei Street	307 Lehua Lane	316 Lehua Lane	135 Liliwai Street	
				Field Sample ID:	D3-TW-0009755-23162-N-T	D3-TW-0009759-23162-N-T	D3-TW-0009776-23162-N	D3-TW-0009788-23162-N	D3-TW-0009835-23162-N	D3-TW-0011199-23162-N-T	D3-TW-0011212-23162-N	D3-TW-0011212-23162-3-N
				Sample Date:	2023-06-29	2023-06-29	2023-09-07	2023-10-24	2023-10-16	2023-07-25	2023-08-10	2023-08-10
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	--	--	0.280	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	1.30	ND	0.280	0.340	ND	0.260	0.470	ND	ND
	Chloroform	--	--	0.250	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.650	ND	0.260	0.310	ND	0.290	0.280	ND	ND
	Total Trihalomethanes	80	MCL	2.48	ND	0.540	0.650	ND	0.550	0.750	ND	ND

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		Location ID:	D3-LILI0158	D3-LILI0172	D3-MELI0203	D3-MELI0228		D3-MELI0235		D3-MELI0246	
		Location Type:	Residence	Residence	Residence	Residence		Residence		Residence	
		Address:	158 Liliwai Street	172 Liliwai Street	203 Melia Street	228 Melia Street		235 Melia Street		246 Melia Street	
		Field Sample ID:	D3-TW-0011221-23162-N	D3-TW-0011226-23162-N	D3-TW-0011252-23162-N	D3-TW-0011273-23162-N	D3-TW-0011273-23162-3-N	D3-TW-0011278-23162-N	D3-TW-0011278-23162-3-N	D3-TW-0011287-23162-N	
		Sample Date:	2023-08-11	2023-10-16	2023-07-25	2023-10-16	2023-10-16	2023-07-19	2023-07-19	2023-10-18	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	410	670	370	690	690	580	580	510
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	68.9	ND	84.1	ND	81.7	ND	ND	51.0
	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	68.9	ND	84.1	ND	81.7	ND	ND	51.0
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.610	ND	ND
	Barium	2000	MCL	1.80	1.90	2.10	2.00	2.00	2.00	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	0.680	0.640	0.670	0.700	0.720	0.830	0.910	0.500
	Copper	1300	MCL	12.6	4.60	9.50	7.40	5.40	8.70	11.0	8.80
	Lead	15	MCL	0.210	ND	0.190	0.130	ND	0.150	0.390	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.20	1.70	1.50	2.00	1.90	3.10	2.60	1.10
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	0.0270
	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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				D3-LILI0158	D3-LILI0172	D3-MELI0203	D3-MELI0228		D3-MELI0235		D3-MELI0246
				Residence	Residence	Residence	Residence		Residence		Residence
				158 Liliwai Street	172 Liliwai Street	203 Melia Street	228 Melia Street		235 Melia Street		246 Melia Street
				D3-TW-0011221-23162-N	D3-TW-0011226-23162-N	D3-TW-0011252-23162-N	D3-TW-0011273-23162-N	D3-TW-0011273-23162-3-N	D3-TW-0011278-23162-N	D3-TW-0011278-23162-3-N	D3-TW-0011287-23162-N
				2023-08-11	2023-10-16	2023-07-25	2023-10-16	2023-10-16	2023-07-19	2023-07-19	2023-10-18
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
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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				Location Type:	Residence	Residence	Residence	Residence		Residence		Residence
				Address:	158 Liliwai Street	172 Liliwai Street	203 Melia Street	228 Melia Street		235 Melia Street		246 Melia Street
				Field Sample ID:	D3-TW-0011221-23162-N	D3-TW-0011226-23162-N	D3-TW-0011252-23162-N	D3-TW-0011273-23162-N	D3-TW-0011273-23162-3-N	D3-TW-0011278-23162-N	D3-TW-0011278-23162-3-N	D3-TW-0011287-23162-N
				Sample Date:	2023-08-11	2023-10-16	2023-07-25	2023-10-16	2023-10-16	2023-07-19	2023-07-19	2023-10-18
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)
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	0.650	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	5.20	0.300	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	3.10	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	8.95	0.300	ND	ND	ND	ND	ND

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		<b>Location ID:</b>		D3-MELI0344		D3-MELI0347	D3-MELI0357	D3-NANU0882	D3-NANU0888	D3-NANU0921	D3-NANU0926
		<b>Location Type:</b>		Residence		Residence	Residence	Residence	Residence	Residence	Residence
		<b>Address:</b>		344 Melia Street		347 Melia Street	357 Melia Street	882 Nanu Street	888 Nanu Street	921 Nanu Street	926 Nanu Street
		<b>Field Sample ID:</b>		D3-TW-0011305-23162-N	D3-TW-0011305-23162-3-N	D3-TW-0011308-23162-N	D3-TW-0011316-23162-N-T	D3-TW-0011319-23162-N	D3-TW-0011325-23162-N	D3-TW-0011338-23162-N	D3-TW-0011343-23162-N
		<b>Sample Date:</b>		2023-10-16	2023-10-16	2023-07-19	2023-06-29	2023-08-10	2023-07-25	2023-08-10	2023-07-19
		<b>Sample Type:</b>		N (Normal)	FD (Field Duplicate)	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>								
Field Test (ppb)	Free Chlorine	4000	MCL	490	490	540	600	660	800	460	610
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	72.2	ND	59.0	ND	60.8	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	72.2	ND	59.0	ND	60.8	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.550
	Barium	2000	MCL	2.00	2.00	2.00	2.10	2.70	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	0.670	0.630	0.850	2.00	0.760	0.730	0.700	0.840
	Copper	1300	MCL	4.10	4.00	8.20	9.50	5.30	5.70	4.50	8.80
	Lead	15	MCL	ND	ND	0.190	0.280	ND	0.230	0.290	0.200
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.70	1.50	2.60	ND	2.00	1.70	1.90	2.60
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0510	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 D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-MELI0344		D3-MELI0347	D3-MELI0357	D3-NANU0882	D3-NANU0888	D3-NANU0921	D3-NANU0926
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 344 Melia Street		347 Melia Street	357 Melia Street	882 Nanu Street	888 Nanu Street	921 Nanu Street	926 Nanu Street
				Field Sample ID:	D3-TW-0011305-23162-N	D3-TW-0011308-23162-N	D3-TW-0011316-23162-N-T	D3-TW-0011319-23162-N	D3-TW-0011325-23162-N	D3-TW-0011338-23162-N	D3-TW-0011343-23162-N
				Sample Date:	2023-10-16	2023-10-16	2023-07-19	2023-06-29	2023-08-10	2023-07-25	2023-08-10
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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



**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-MELI0344		D3-MELI0347	D3-MELI0357	D3-NANU0882	D3-NANU0888	D3-NANU0921	D3-NANU0926
				Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 344 Melia Street		347 Melia Street	357 Melia Street	882 Nanu Street	888 Nanu Street	921 Nanu Street	926 Nanu Street
				Field Sample ID: D3-TW-0011305-23162-N	D3-TW-0011305-23162-3-N	D3-TW-0011308-23162-N	D3-TW-0011316-23162-N-T	D3-TW-0011319-23162-N	D3-TW-0011325-23162-N	D3-TW-0011338-23162-N	D3-TW-0011343-23162-N
				Sample Date: 2023-10-16	2023-10-16	2023-07-19	2023-06-29	2023-08-10	2023-07-25	2023-08-10	2023-07-19
				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	ND
	Bromoform	--	--	ND	ND	ND	ND	0.480	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.320	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.800	ND	ND	ND

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		Location ID:	D3-NANU0933	D3-NANU0941	D3-NEHE1004	D3-NEHE1007	D3-NEHE1024		D3-NEHE1036	D3-OHAN0111	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	933 Nanu Street	941 Nanu Street	1004 Nehe Street	1007 Nehe Street	1024 Nehe Street		1036 Nehe Street	111 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0011348-23162-N	D3-TW-0011354-23162-N	D3-TW-0011365-23162-N	D3-TW-0011368-23162-N	D3-TW-0011375-23162-N	D3-TW-0011375-23162-3-N	D3-TW-0011380-23162-N	D3-TW-0011386-23162-N	
		Sample Date:	2023-08-11	2023-07-19	2023-07-25	2023-07-19	2023-07-25	2023-07-25	2023-07-21	2023-09-27	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	160	470	570	610	750	750	590	660
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.1	ND	ND	ND	ND	ND	104	81.5
	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	53.1	ND	ND	ND	ND	ND	104	81.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.660	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	2.00	2.00	2.10	2.10	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	0.690	0.820	0.810	1.00	0.760	0.700	0.850	1.20
	Copper	1300	MCL	9.30	5.70	5.30	13.2	5.70	4.60	5.50	8.60
	Lead	15	MCL	0.600	ND	0.210	0.240	0.130	0.190	0.140	0.180
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0590	ND
	Selenium	50	MCL	1.10	2.50	2.00	2.90	1.80	1.80	1.80	2.10
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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**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:
				D3-NANU0933	D3-NANU0941	D3-NEHE1004	D3-NEHE1007	D3-NEHE1024		D3-NEHE1036	D3-OHAN0111
				Residence	Residence	Residence	Residence	Residence		Residence	Residence
				933 Nanu Street	941 Nanu Street	1004 Nehe Street	1007 Nehe Street	1024 Nehe Street		1036 Nehe Street	111 Ohana Nui Circle
				D3-TW-0011348-23162-N	D3-TW-0011354-23162-N	D3-TW-0011365-23162-N	D3-TW-0011368-23162-N	D3-TW-0011375-23162-N	D3-TW-0011375-23162-3-N	D3-TW-0011380-23162-N	D3-TW-0011386-23162-N
				2023-08-11	2023-07-19	2023-07-25	2023-07-19	2023-07-25	2023-07-25	2023-07-21	2023-09-27
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
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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		Location ID:	D3-NANU0933	D3-NANU0941	D3-NEHE1004	D3-NEHE1007	D3-NEHE1024		D3-NEHE1036	D3-OHAN0111
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	933 Nanu Street	941 Nanu Street	1004 Nehe Street	1007 Nehe Street	1024 Nehe Street		1036 Nehe Street	111 Ohana Nui Circle
		Field Sample ID:	D3-TW-0011348-23162-N	D3-TW-0011354-23162-N	D3-TW-0011365-23162-N	D3-TW-0011368-23162-N	D3-TW-0011375-23162-N	D3-TW-0011375-23162-3-N	D3-TW-0011380-23162-N	D3-TW-0011386-23162-N
		Sample Date:	2023-08-11	2023-07-19	2023-07-25	2023-07-19	2023-07-25	2023-07-25	2023-07-21	2023-09-27
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.560	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.380	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.940	ND	ND	ND	ND	ND	ND

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		<b>Location ID:</b>		D3-OHAN0113		D3-OHAN0123		D3-OHAN0125		D3-OHAN0135		D3-OHAN0137		D3-OHAN0145	
		<b>Location Type:</b>		Residence		Residence		Residence		Residence		Residence		Residence	
		<b>Address:</b>		113 Ohana Nui Circle		123 Ohana Nui Circle		125 Ohana Nui Circle		135 Ohana Nui Circle		137 Ohana Nui Circle		145 Ohana Nui Circle	
		<b>Field Sample ID:</b>		D3-TW-0011387-23162-N	D3-TW-0011387-23162-3-N	D3-TW-0011392-23162-N	D3-TW-0010194-23162-N	D3-TW-0010194-23162-3-N	D3-TW-0010200-23162-N	D3-TW-0010201-23162-N	D3-TW-0010204-23162-N				
		<b>Sample Date:</b>		2023-09-28	2023-09-28	2023-10-23	2023-10-23	2023-10-23	2023-08-10	2023-10-23	2023-10-23				
		<b>Sample Type:</b>		N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	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>												
Field Test (ppb)	Free Chlorine	4000	MCL	620	620	380	570	570	490	230	610				
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND				
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	91.4	62.0	ND	ND	55.7	ND	93.9	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	91.4	62.0	ND	ND	55.7	ND	93.9	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	2.00	2.00	2.00	2.00	1.90	2.00	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	1.10	1.10	0.610	0.620	0.610	0.760	0.600	0.680				
	Copper	1300	MCL	10.1	12.4	6.20	5.70	5.60	10.2	7.70	5.70				
	Lead	15	MCL	0.250	0.340	ND	0.190	ND	0.270	0.270	0.170				
	Mercury	2	MCL	0.0260	ND	ND	ND	ND	ND	ND	0.0310				
	Selenium	50	MCL	1.60	1.60	1.60	1.20	1.00	1.90	1.50	1.60				
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	0.0160	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-OHAN0113		Location ID: D3-OHAN0123		Location ID: D3-OHAN0125		Location ID: D3-OHAN0135	Location ID: D3-OHAN0137	Location ID: D3-OHAN0145
				Residence		Residence		Residence		Residence	Residence	Residence
				113 Ohana Nui Circle		123 Ohana Nui Circle		125 Ohana Nui Circle		135 Ohana Nui Circle	137 Ohana Nui Circle	145 Ohana Nui Circle
				D3-TW-0011387-23162-N	D3-TW-0011387-23162-3-N	D3-TW-0011392-23162-N	D3-TW-0010194-23162-N	D3-TW-0010194-23162-3-N	D3-TW-0010200-23162-N	D3-TW-0010201-23162-N	D3-TW-0010204-23162-N	
				2023-09-28	2023-09-28	2023-10-23	2023-10-23	2023-10-23	2023-08-10	2023-10-23	2023-10-23	
				N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
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	

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-OHAN0113		Location ID: D3-OHAN0123		Location ID: D3-OHAN0125		Location ID: D3-OHAN0135	Location ID: D3-OHAN0137	Location ID: D3-OHAN0145
				Residence		Residence		Residence		Residence	Residence	Residence
				Address: 113 Ohana Nui Circle		Address: 123 Ohana Nui Circle		Address: 125 Ohana Nui Circle		Address: 135 Ohana Nui Circle	Address: 137 Ohana Nui Circle	Address: 145 Ohana Nui Circle
				Field Sample ID: D3-TW-0011387-23162-N	Field Sample ID: D3-TW-0011387-23162-3-N	Field Sample ID: D3-TW-0011392-23162-N	Field Sample ID: D3-TW-0010194-23162-N	Field Sample ID: D3-TW-0010194-23162-3-N	Field Sample ID: D3-TW-0010200-23162-N	Field Sample ID: D3-TW-0010201-23162-N	Field Sample ID: D3-TW-0010204-23162-N	
				Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-08-10	Sample Date: 2023-10-23	Sample Date: 2023-10-23	
				Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: 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	1.10	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	2.30	ND	ND	0.440	ND	ND	
	Chloroform	--	--	ND	ND	0.440	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	2.40	ND	ND	0.290	ND	ND	
	Total Trihalomethanes	80	MCL	ND	ND	6.24	ND	ND	0.730	ND	ND	

**Summary of Chemistry Results**  
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		Location ID:	D3-OHAN0145	D3-OHAN0147	D3-OHAN0156	D3-OHAN0164	D3-OHAN0168	D3-OHAN0214	D3-OHAN0216	D3-OHAN0321	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	145 Ohana Nui Circle	147 Ohana Nui Circle	156 Ohana Nui Circle	164 Ohana Nui Circle	168 Ohana Nui Circle	214 Ohana Nui Circle	216 Ohana Nui Circle	321 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0010204-23162-3-N	D3-TW-0010205-23162-N	D3-TW-0010211-23162-N	D3-TW-0010217-23162-N-T	D3-TW-0010221-23162-N	D3-TW-0010227-23162-N	D3-TW-0010228-23162-N	D3-TW-0010240-23162-N	
		Sample Date:	2023-10-23	2023-09-27	2023-09-28	2023-07-25	2023-08-11	2023-10-24	2023-08-10	2023-10-23	
		Sample Type:	FD (Field Duplicate)	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	610	660	240	510	410	710	490	590
Field Test (ppb)	Free Chlorine	4000	MCL	610	660	240	510	410	710	490	590
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	51.7	69.3	ND	80.6	67.0	64.4	65.1	52.8
	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	51.7	69.3	ND	80.6	67.0	64.4	65.1	52.8
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	2.00	2.00	1.80	2.40	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	0.680	1.10	1.00	0.640	0.650	0.680	0.890	0.560
	Copper	1300	MCL	5.80	5.00	6.00	8.90	15.3	6.00	6.70	8.10
	Lead	15	MCL	0.170	ND	0.300	1.10	0.190	ND	0.130	0.230
	Mercury	2	MCL	0.0270	ND	ND	ND	0.0250	ND	ND	ND
	Selenium	50	MCL	1.70	1.60	1.40	1.70	2.00	1.30	1.80	1.00
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	0.110	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 D3 Long Term Monitoring**  
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D3-OHAN0145	D3-OHAN0147	D3-OHAN0156	D3-OHAN0164	D3-OHAN0168	D3-OHAN0214	D3-OHAN0216	D3-OHAN0321
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	145 Ohana Nui Circle	147 Ohana Nui Circle	156 Ohana Nui Circle	164 Ohana Nui Circle	168 Ohana Nui Circle	214 Ohana Nui Circle	216 Ohana Nui Circle	321 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010204-23162-3-N	D3-TW-0010205-23162-N	D3-TW-0010211-23162-N	D3-TW-0010217-23162-N-T	D3-TW-0010221-23162-N	D3-TW-0010227-23162-N	D3-TW-0010228-23162-N	D3-TW-0010240-23162-N
		Sample Date:	2023-10-23	2023-09-27	2023-09-28	2023-07-25	2023-08-11	2023-10-24	2023-08-10	2023-10-23
		Sample Type:	FD (Field Duplicate)	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	
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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	D3-OHAN0145	D3-OHAN0147	D3-OHAN0156	D3-OHAN0164	D3-OHAN0168	D3-OHAN0214	D3-OHAN0216	D3-OHAN0321
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	145 Ohana Nui Circle	147 Ohana Nui Circle	156 Ohana Nui Circle	164 Ohana Nui Circle	168 Ohana Nui Circle	214 Ohana Nui Circle	216 Ohana Nui Circle	321 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010204-23162-3-N	D3-TW-0010205-23162-N	D3-TW-0010211-23162-N	D3-TW-0010217-23162-N-T	D3-TW-0010221-23162-N	D3-TW-0010227-23162-N	D3-TW-0010228-23162-N	D3-TW-0010240-23162-N
		Sample Date:	2023-10-23	2023-09-27	2023-09-28	2023-07-25	2023-08-11	2023-10-24	2023-08-10	2023-10-23
		Sample Type:	FD (Field Duplicate)	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	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	5.90	0.610	ND	0.440
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.620	0.410	ND	0.420
	Total Trihalomethanes	80	MCL	ND	ND	ND	6.52	1.02	ND	0.860

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		Location ID:	D3-OHAN0334	D3-OHAN0341	D3-OHAN0414	D3-OHAN0436	D3-OHAN0501	D3-OHAN0503	D3-OHAN0528	D3-OHAN0544	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	334 Ohana Nui Circle	341 Ohana Nui Circle	414 Ohana Nui Circle	436 Ohana Nui Circle	501 Ohana Nui Circle	503 Ohana Nui Circle	528 Ohana Nui Circle	544 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0010245-23162-N	D3-TW-0010246-23162-N	D3-TW-0010265-23162-N	D3-TW-0010274-23162-N	D3-TW-0010280-23162-N	D3-TW-0010282-23162-N	D3-TW-0010297-23162-N	D3-TW-0010307-23162-N	
		Sample Date:	2023-09-28	2023-08-11	2023-08-10	2023-07-21	2023-09-27	2023-07-25	2023-10-23	2023-08-10	
		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	720	520	370	410	610	50.0	510	140
Field Test (ppb)	Free Chlorine	4000	MCL	720	520	370	410	610	50.0	510	140
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	62.4	ND	84.7	84.0	ND	51.1	55.5
	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	62.4	ND	84.7	84.0	ND	51.1	55.5
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	2.00	1.90	4.50	2.00	1.90	2.00	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	1.10	0.650	0.690	1.20	1.20	0.760	0.650	0.860
	Copper	1300	MCL	3.40	15.4	11.7	8.10	7.80	5.50	5.80	11.9
	Lead	15	MCL	ND	0.400	0.330	3.50	0.280	ND	ND	0.430
	Mercury	2	MCL	ND	0.0250	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.50	1.20	2.00	1.20	2.00	2.10	1.10	1.80
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 ID:	D3-OHAN0334	D3-OHAN0341	D3-OHAN0414	D3-OHAN0436	D3-OHAN0501	D3-OHAN0503	D3-OHAN0528	D3-OHAN0544
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	334 Ohana Nui Circle	341 Ohana Nui Circle	414 Ohana Nui Circle	436 Ohana Nui Circle	501 Ohana Nui Circle	503 Ohana Nui Circle	528 Ohana Nui Circle	544 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010245-23162-N	D3-TW-0010246-23162-N	D3-TW-0010265-23162-N	D3-TW-0010274-23162-N	D3-TW-0010280-23162-N	D3-TW-0010282-23162-N	D3-TW-0010297-23162-N	D3-TW-0010307-23162-N
		Sample Date:	2023-09-28	2023-08-11	2023-08-10	2023-07-21	2023-09-27	2023-07-25	2023-10-23	2023-08-10
		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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

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		Location ID:	D3-OHAN0334	D3-OHAN0341	D3-OHAN0414	D3-OHAN0436	D3-OHAN0501	D3-OHAN0503	D3-OHAN0528	D3-OHAN0544
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	334 Ohana Nui Circle	341 Ohana Nui Circle	414 Ohana Nui Circle	436 Ohana Nui Circle	501 Ohana Nui Circle	503 Ohana Nui Circle	528 Ohana Nui Circle	544 Ohana Nui Circle
		Field Sample ID:	D3-TW-0010245-23162-N	D3-TW-0010246-23162-N	D3-TW-0010265-23162-N	D3-TW-0010274-23162-N	D3-TW-0010280-23162-N	D3-TW-0010282-23162-N	D3-TW-0010297-23162-N	D3-TW-0010307-23162-N
		Sample Date:	2023-09-28	2023-08-11	2023-08-10	2023-07-21	2023-09-27	2023-07-25	2023-10-23	2023-08-10
		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	ND	ND	ND	ND	ND	0.530
	Bromoform	--	--	ND	0.520	0.370	0.410	ND	ND	0.300
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.340	0.280	ND	ND	ND	0.290
	Total Trihalomethanes	80	MCL	ND	0.860	0.650	0.410	ND	ND	0.590

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		<b>Location ID:</b>		D3-OHAN0546		D3-OHAN0553		D3-OHAN0601	D3-OHAN0721	D3-OHAN0725	D3-OHAN0731	
		<b>Location Type:</b>		Residence		Residence		Residence	Residence	Residence	Residence	
		<b>Address:</b>		546 Ohana Nui Circle		553 Ohana Nui Circle		601 Ohana Nui Circle	721 Ohana Nui Circle	725 Ohana Nui Circle	731 Ohana Nui Circle	
		<b>Field Sample ID:</b>		D3-TW-0010308-23162-N	D3-TW-0010311-23162-N	D3-TW-0010311-23162-3-N	D3-TW-0009444-23162-N	D3-TW-0009460-23162-N	D3-TW-0009462-23162-N	D3-TW-0009464-23162-N	D3-TW-0009464-23162-N-1	D3-TW-0009464-23162-N-1
		<b>Sample Date:</b>		2023-10-20	2023-07-21	2023-07-21	2023-09-07	2023-07-21	2023-07-21	2023-07-21	2023-10-20	2023-10-25
		<b>Sample Type:</b>		N (Normal)	N (Normal)	FD (Field Duplicate)	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>									
Field Test (ppb)	Free Chlorine	4000	MCL	60.0	620	620	570	560	260	540	710	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	300	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	75.6	76.8	121	ND	85.4	56.0	65.9	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	84.3	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	75.6	76.8	205	ND	85.4	56.0	65.9	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	1.90	2.00	2.00	2.00	2.20	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	0.840	0.780	0.630	0.800	0.950	ND	0.610	
	Copper	1300	MCL	6.20	9.20	7.80	7.70	6.00	5.90	51.2	3.40	
	Lead	15	MCL	0.280	0.290	0.250	ND	ND	0.130	0.400	0.910	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.70	2.20	1.70	2.60	1.70	1.30	1.60	1.80	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0553		D3-OHAN0601	D3-OHAN0721	D3-OHAN0725	D3-OHAN0731	
				Location Type:	Residence		Residence	Residence	Residence	Residence	
				Address:	553 Ohana Nui Circle		601 Ohana Nui Circle	721 Ohana Nui Circle	725 Ohana Nui Circle	731 Ohana Nui Circle	
				Field Sample ID:	D3-TW-0010308-23162-N	D3-TW-0010311-23162-N	D3-TW-0009444-23162-N	D3-TW-0009460-23162-N	D3-TW-0009462-23162-N	D3-TW-0009464-23162-N	D3-TW-0009464-23162-N-1
				Sample Date:	2023-10-20	2023-07-21	2023-09-07	2023-07-21	2023-07-21	2023-10-20	2023-10-25
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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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**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0553		D3-OHAN0601	D3-OHAN0721	D3-OHAN0725	D3-OHAN0731		
				Location Type:	Residence		Residence	Residence	Residence	Residence		
				Address:	553 Ohana Nui Circle		601 Ohana Nui Circle	721 Ohana Nui Circle	725 Ohana Nui Circle	731 Ohana Nui Circle		
				Field Sample ID:	D3-TW-0010308-23162-N	D3-TW-0010311-23162-N	D3-TW-0010311-23162-3-N	D3-TW-0009444-23162-N	D3-TW-0009460-23162-N	D3-TW-0009462-23162-N	D3-TW-0009464-23162-N	D3-TW-0009464-23162-N-1
				Sample Date:	2023-10-20	2023-07-21	2023-07-21	2023-09-07	2023-07-21	2023-07-21	2023-10-20	2023-10-25
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND



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		Location ID:	D3-OHAN0737	D3-OHAN0756	D3-OHAN0764	D3-OHAN0765	D3-OHAN0795	D3-OHAN0813	D3-OHAN0815	D3-OHAN0817	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	737 Ohana Nui Circle	756 Ohana Nui Circle	764 Ohana Nui Circle	765 Ohana Nui Circle	795 Ohana Nui Circle	813 Ohana Nui Circle	815 Ohana Nui Circle	817 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0009467-23162-N	D3-TW-0009477-23162-N	D3-TW-0009483-23162-N	D3-TW-0009484-23162-N-T	D3-TW-0009500-23162-N	D3-TW-0009510-23162-N-T	D3-TW-0009512-23162-N	D3-TW-0009514-23162-N	
		Sample Date:	2023-07-19	2023-07-19	2023-08-10	2023-06-29	2023-09-28	2023-08-10	2023-09-28	2023-09-27	
		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	630	610	510	600	670	360	720	570
Field Test (ppb)	Free Chlorine	4000	MCL	630	610	510	600	670	360	720	570
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	64.3	110	ND	50.5	75.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	81.6	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	64.3	192	ND	50.5	75.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.130	ND	ND	ND	ND
	Arsenic	10	MCL	0.620	0.510	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.00	1.90	2.10	2.00	1.90	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	0.890	0.930	0.780	2.00	1.10	0.770	1.10	1.10
	Copper	1300	MCL	7.20	9.00	5.80	6.10	4.00	4.50	5.90	7.00
	Lead	15	MCL	0.250	0.770	ND	0.240	ND	0.440	0.430	0.190
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.90	2.50	1.90	ND	1.50	2.00	1.50	1.60
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0660	ND	ND	0.0670	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	0.0250	ND	ND	0.100	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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**Zone D3 Long Term Monitoring**  
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		Location ID:	D3-OHAN0737	D3-OHAN0756	D3-OHAN0764	D3-OHAN0765	D3-OHAN0795	D3-OHAN0813	D3-OHAN0815	D3-OHAN0817
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	737 Ohana Nui Circle	756 Ohana Nui Circle	764 Ohana Nui Circle	765 Ohana Nui Circle	795 Ohana Nui Circle	813 Ohana Nui Circle	815 Ohana Nui Circle	817 Ohana Nui Circle
		Field Sample ID:	D3-TW-0009467-23162-N	D3-TW-0009477-23162-N	D3-TW-0009483-23162-N	D3-TW-0009484-23162-N-T	D3-TW-0009500-23162-N	D3-TW-0009510-23162-N-T	D3-TW-0009512-23162-N	D3-TW-0009514-23162-N
		Sample Date:	2023-07-19	2023-07-19	2023-08-10	2023-06-29	2023-09-28	2023-08-10	2023-09-28	2023-09-27
		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	
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:	737 Ohana Nui Circle	756 Ohana Nui Circle	764 Ohana Nui Circle	765 Ohana Nui Circle	795 Ohana Nui Circle	813 Ohana Nui Circle	815 Ohana Nui Circle	817 Ohana Nui Circle
		Field Sample ID:	D3-TW-0009467-23162-N	D3-TW-0009477-23162-N	D3-TW-0009483-23162-N	D3-TW-0009484-23162-N-T	D3-TW-0009500-23162-N	D3-TW-0009510-23162-N-T	D3-TW-0009512-23162-N	D3-TW-0009514-23162-N
		Sample Date:	2023-07-19	2023-07-19	2023-08-10	2023-06-29	2023-09-28	2023-08-10	2023-09-28	2023-09-27
		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	ND	ND	ND	0.430	ND	ND
	Bromoform	--	--	0.560	0.520	ND	ND	2.40	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.420	ND	ND	ND	1.00	ND	ND
	Total Trihalomethanes	80	MCL	0.980	0.520	ND	ND	3.83	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	D3-OHAN0823	D3-OHAN0827	D3-OHAN0831	D3-OHAN0832	D3-OHAN0861	D3-OHAN0866		D3-OHAN0881	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence	
		Address:	823 Ohana Nui Circle	827 Ohana Nui Circle	831 Ohana Nui Circle	832 Ohana Nui Circle	861 Ohana Nui Circle	866 Ohana Nui Circle		881 Ohana Nui Circle	
		Field Sample ID:	D3-TW-0009518-23162-N	D3-TW-0009522-23162-N	D3-TW-0009524-23162-N	D3-TW-0009525-23162-N	D3-TW-0009540-23162-N	D3-TW-0009545-23162-N	D3-TW-0009545-23162-3-N	D3-TW-0009552-23162-N	
		Sample Date:	2023-10-23	2023-08-10	2023-10-24	2023-10-24	2023-07-25	2023-07-25	2023-07-25	2023-09-28	
		Sample Type:	N (Normal)	N (Normal)	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	570	440	510	570	510	470	470	830
Field Test (ppb)	Free Chlorine	4000	MCL	570	440	510	570	510	470	470	830
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	64.1	ND	76.5	65.3	ND	72.7	77.7
	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	64.1	ND	76.5	65.3	ND	72.7	77.7
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	2.20	1.90	2.10	2.00	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	0.590	0.750	0.560	0.630	0.720	0.710	0.690	1.10
	Copper	1300	MCL	116	8.40	3.80	5.40	5.90	8.10	6.30	4.40
	Lead	15	MCL	10.7	0.300	0.140	0.180	0.180	0.310	0.230	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.10	2.50	1.30	0.990	1.60	1.90	1.50	1.30
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**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:		Location Type:
				Address:	Address:	Address:	Address:	Address:	Address:		Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				D3-OHAN0823	D3-OHAN0827	D3-OHAN0831	D3-OHAN0832	D3-OHAN0861	D3-OHAN0866		D3-OHAN0881
				Residence	Residence	Residence	Residence	Residence	Residence		Residence
				823 Ohana Nui Circle	827 Ohana Nui Circle	831 Ohana Nui Circle	832 Ohana Nui Circle	861 Ohana Nui Circle	866 Ohana Nui Circle		881 Ohana Nui Circle
				D3-TW-0009518-23162-N	D3-TW-0009522-23162-N	D3-TW-0009524-23162-N	D3-TW-0009525-23162-N	D3-TW-0009540-23162-N	D3-TW-0009545-23162-N	D3-TW-0009545-23162-3-N	D3-TW-0009552-23162-N
				2023-10-23	2023-08-10	2023-10-24	2023-10-24	2023-07-25	2023-07-25	2023-07-25	2023-09-28
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)
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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**Zone D3 Long Term Monitoring**  
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		Location ID:	D3-OHAN0823	D3-OHAN0827	D3-OHAN0831	D3-OHAN0832	D3-OHAN0861	D3-OHAN0866		D3-OHAN0881
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence		Residence
		Address:	823 Ohana Nui Circle	827 Ohana Nui Circle	831 Ohana Nui Circle	832 Ohana Nui Circle	861 Ohana Nui Circle	866 Ohana Nui Circle		881 Ohana Nui Circle
		Field Sample ID:	D3-TW-0009518-23162-N	D3-TW-0009522-23162-N	D3-TW-0009524-23162-N	D3-TW-0009525-23162-N	D3-TW-0009540-23162-N	D3-TW-0009545-23162-N	D3-TW-0009545-23162-3-N	D3-TW-0009552-23162-N
		Sample Date:	2023-10-23	2023-08-10	2023-10-24	2023-10-24	2023-07-25	2023-07-25	2023-07-25	2023-09-28
		Sample Type:	N (Normal)	N (Normal)	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							
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	--	--	0.310	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.670	0.570	ND	ND	ND	0.340	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.700	0.410	ND	ND	ND	0.280	ND
	Total Trihalomethanes	80	MCL	1.68	0.980	ND	ND	ND	0.620	ND

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		Location ID:	D3-OHAN0907	D3-OHAN0932	D3-OHAN0933	D3-OHAN0948	D3-OHAN0975	D3-OHAN0983	D3-OHAN0986		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	907 Ohana Nui Circle	932 Ohana Nui Circle	933 Ohana Nui Circle	948 Ohana Nui Circle	975 Ohana Nui Circle	983 Ohana Nui Circle	986 Ohana Nui Circle		
		Field Sample ID:	D3-TW-0009624-23162-N-T	D3-TW-0009996-23162-N	D3-TW-0009997-23162-N	D3-TW-0010010-23162-N	D3-TW-0010023-23162-N	D3-TW-0010029-23162-N	D3-TW-0010032-23162-N	D3-TW-0010032-23162-3-N	
		Sample Date:	2023-07-19	2023-07-25	2023-11-02	2023-07-25	2023-07-03	2023-09-27	2023-07-19	2023-07-19	
		Sample Type:	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	610	640	490	560	20.0	470	610	610
Field Test (ppb)	Free Chlorine	4000	MCL	610	640	490	560	20.0	470	610	610
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	71.9	77.9	ND	ND	82.2	87.3	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	71.9	77.9	ND	ND	82.2	87.3	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.570	ND
	Barium	2000	MCL	2.00	1.90	1.90	1.90	2.00	2.00	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	0.810	0.770	0.640	0.740	1.80	1.10	0.910	0.910
	Copper	1300	MCL	8.30	6.80	18.8	5.80	6.60	9.20	8.50	7.00
	Lead	15	MCL	0.180	0.400	0.170	0.140	0.250	0.150	0.220	0.190
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.60	1.80	ND	2.20	ND	2.00	3.10	2.60
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	0.0550	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0907	D3-OHAN0932	D3-OHAN0933	D3-OHAN0948	D3-OHAN0975	D3-OHAN0983	D3-OHAN0986	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	907 Ohana Nui Circle	932 Ohana Nui Circle	933 Ohana Nui Circle	948 Ohana Nui Circle	975 Ohana Nui Circle	983 Ohana Nui Circle	986 Ohana Nui Circle	
				Field Sample ID:	D3-TW-0009624-23162-N-T	D3-TW-0009996-23162-N	D3-TW-0009997-23162-N	D3-TW-0010010-23162-N	D3-TW-0010023-23162-N	D3-TW-0010029-23162-N	D3-TW-0010032-23162-N	D3-TW-0010032-23162-3-N
				Sample Date:	2023-07-19	2023-07-25	2023-11-02	2023-07-25	2023-07-03	2023-09-27	2023-07-19	2023-07-19
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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



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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-OHAN0907	D3-OHAN0932	D3-OHAN0933	D3-OHAN0948	D3-OHAN0975	D3-OHAN0983	D3-OHAN0986	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	907 Ohana Nui Circle	932 Ohana Nui Circle	933 Ohana Nui Circle	948 Ohana Nui Circle	975 Ohana Nui Circle	983 Ohana Nui Circle	986 Ohana Nui Circle	
				Field Sample ID:	D3-TW-0009624-23162-N-T	D3-TW-0009996-23162-N	D3-TW-0009997-23162-N	D3-TW-0010010-23162-N	D3-TW-0010023-23162-N	D3-TW-0010029-23162-N	D3-TW-0010032-23162-N	D3-TW-0010032-23162-3-N
				Sample Date:	2023-07-19	2023-07-25	2023-11-02	2023-07-25	2023-07-03	2023-09-27	2023-07-19	2023-07-19
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	0.480	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	2.30	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	1.20	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	3.98	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

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		Location ID:	D3-OHAN1005	D3-OKIK0305	D3-OKIK0306	D3-OKIK0324	D3-OKIK0331	D3-OKIK0332	D3-OKIK0333	D3-OKIK0343	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1005 Ohana Nui Circle	305 Okika Street	306 Okika Street	324 Okika Street	331 Okika Street	332 Okika Street	333 Okika Street	343 Okika Street	
		Field Sample ID:	D3-TW-0010043-23162-N	D3-TW-0009571-23162-N	D3-TW-0009572-23162-N	D3-TW-0009576-23162-N	D3-TW-0009579-23162-N	D3-TW-0009580-23162-N	D3-TW-0009581-23162-N	D3-TW-0009589-23162-N	
		Sample Date:	2023-07-25	2023-09-28	2023-10-24	2023-07-25	2023-07-25	2023-09-28	2023-10-24	2023-07-25	
		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	180	540	500	590	350	640	620	770
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	79.2	81.5	63.7	81.5	55.8	ND	75.9	83.7
	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	79.2	81.5	63.7	81.5	55.8	ND	75.9	83.7
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	2.30	2.00	2.00	1.90	1.90	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	0.720	1.10	0.570	0.710	0.790	1.20	0.560	0.770
	Copper	1300	MCL	16.7	12.3	14.0	9.50	5.20	3.60	11.1	5.40
	Lead	15	MCL	0.640	0.140	0.200	1.70	0.130	ND	ND	0.470
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.90	1.60	1.10	1.90	1.90	1.80	1.20	1.90
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 ID:	D3-OHAN1005	D3-OKIK0305	D3-OKIK0306	D3-OKIK0324	D3-OKIK0331	D3-OKIK0332	D3-OKIK0333	D3-OKIK0343
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1005 Ohana Nui Circle	305 Okika Street	306 Okika Street	324 Okika Street	331 Okika Street	332 Okika Street	333 Okika Street	343 Okika Street
		Field Sample ID:	D3-TW-0010043-23162-N	D3-TW-0009571-23162-N	D3-TW-0009572-23162-N	D3-TW-0009576-23162-N	D3-TW-0009579-23162-N	D3-TW-0009580-23162-N	D3-TW-0009581-23162-N	D3-TW-0009589-23162-N
		Sample Date:	2023-07-25	2023-09-28	2023-10-24	2023-07-25	2023-07-25	2023-09-28	2023-10-24	2023-07-25
		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	0.910	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:	1005 Ohana Nui Circle	305 Okika Street	306 Okika Street	324 Okika Street	331 Okika Street	332 Okika Street	333 Okika Street	343 Okika Street
		Field Sample ID:	D3-TW-0010043-23162-N	D3-TW-0009571-23162-N	D3-TW-0009572-23162-N	D3-TW-0009576-23162-N	D3-TW-0009579-23162-N	D3-TW-0009580-23162-N	D3-TW-0009581-23162-N	D3-TW-0009589-23162-N
		Sample Date:	2023-07-25	2023-09-28	2023-10-24	2023-07-25	2023-07-25	2023-09-28	2023-10-24	2023-07-25
		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	0.910	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	0.360	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.300	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	0.660	ND	ND	ND	ND	ND

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		Location ID:	D3-PAKA0404	D3-PAKA0406		D3-PILO0160	D3-PILO0162	D3-PILO0170	D3-PUAK0270	D3-PUAK0274	
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence	
		Address:	404 Pakalana Street	406 Pakalana Street		160 Pilokea Lane	162 Pilokea Lane	170 Pilokea Lane	270 Puakauhi Court	274 Puakauhi Court	
		Field Sample ID:	D3-TW-0010323-23162-N	D3-TW-0010325-23162-N	D3-TW-0010325-23162-3-N	D3-TW-0010336-23162-N	D3-TW-0010338-23162-N	D3-TW-0010343-23162-N	D3-TW-0010354-23162-N	D3-TW-0010358-23162-N	
		Sample Date:	2023-08-10	2023-09-27	2023-09-27	2023-07-21	2023-10-24	2023-09-28	2023-07-25	2023-07-19	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	500	620	620	460	490	500	530	400
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.3	81.8	69.9	117	77.7	70.1	50.8	98.0
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	53.1	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	53.3	135	69.9	117	77.7	70.1	50.8	98.0
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.510
	Barium	2000	MCL	2.00	2.00	2.00	1.90	1.90	2.10	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	0.750	1.20	1.10	0.820	0.730	1.10	0.750	0.860
	Copper	1300	MCL	8.10	13.4	13.0	17.4	20.0	36.1	56.3	36.5
	Lead	15	MCL	0.950	0.280	0.270	ND	ND	ND	0.290	ND
	Mercury	2	MCL	ND	ND	ND	0.0370	ND	ND	ND	ND
	Selenium	50	MCL	2.00	2.00	1.90	1.90	1.80	1.40	1.60	2.50
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	0.540	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-PAKA0406		D3-PILO0160	D3-PILO0162	D3-PILO0170	D3-PUAK0270	D3-PUAK0274	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	406 Pakalana Street		160 Pilokea Lane	162 Pilokea Lane	170 Pilokea Lane	270 Puakauhi Court	274 Puakauhi Court	
				Field Sample ID:	D3-TW-0010323-23162-N	D3-TW-0010325-23162-N	D3-TW-0010325-23162-3-N	D3-TW-0010336-23162-N	D3-TW-0010338-23162-N	D3-TW-0010343-23162-N	D3-TW-0010354-23162-N	D3-TW-0010358-23162-N
				Sample Date:	2023-08-10	2023-09-27	2023-09-27	2023-07-21	2023-10-24	2023-09-28	2023-07-25	2023-07-19
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-PAKA0406		D3-PILO0160	D3-PILO0162	D3-PILO0170	D3-PUAK0270	D3-PUAK0274	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	406 Pakalana Street		160 Pilokea Lane	162 Pilokea Lane	170 Pilokea Lane	270 Puakauhi Court	274 Puakauhi Court	
				Field Sample ID:	D3-TW-0010323-23162-N	D3-TW-0010325-23162-N	D3-TW-0010325-23162-3-N	D3-TW-0010336-23162-N	D3-TW-0010338-23162-N	D3-TW-0010343-23162-N	D3-TW-0010354-23162-N	D3-TW-0010358-23162-N
				Sample Date:	2023-08-10	2023-09-27	2023-09-27	2023-07-21	2023-10-24	2023-09-28	2023-07-25	2023-07-19
				Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	--	--	0.280	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	0.890	ND	ND	ND	ND	ND	2.40	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	0.630	ND	ND	ND	ND	ND	0.550	ND	
	Total Trihalomethanes	80	MCL	1.80	ND	ND	ND	ND	ND	2.95	ND	

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		Location ID:	D3-PUAK1001	D3-PUAK1004	D3-PUAK1018	D3-PUAK1028	D3-PUAK1032	D3-PUAP0212	D3-PUAP0217	D3-PUAP0221	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1001 Puakala Street	1004 Puakala Street	1018 Puakala Street	1028 Puakala Street	1032 Puakala Street	212 Puapilo Court	217 Puapilo Court	221 Puapilo Court	
		Field Sample ID:	D3-TW-0010366-23162-N	D3-TW-0010369-23162-N-T	D3-TW-0010377-23162-N	D3-TW-0010381-23162-N	D3-TW-0010383-23162-N	D3-TW-0010598-23162-N	D3-TW-0010603-23162-N-T	D3-TW-0010606-23162-N	
		Sample Date:	2023-08-10	2023-07-19	2023-07-21	2023-11-30	2023-08-11	2023-09-27	2023-07-05	2023-07-21	
		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	400	590	680	680	500	240	370	670
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.7	ND	94.0	ND	70.5	64.0	70.8	83.1
	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	55.7	ND	94.0	ND	70.5	64.0	70.8	83.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.130	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.520	ND
	Barium	2000	MCL	1.90	2.00	1.90	1.90	1.90	1.90	1.80	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	0.780	0.880	0.850	1.10	0.690	0.990	1.90	0.860
	Copper	1300	MCL	8.40	8.90	5.60	11.6	4.30	34.1	61.9	35.1
	Lead	15	MCL	0.150	0.200	ND	0.250	ND	0.200	ND	ND
	Mercury	2	MCL	ND	ND	0.0410	ND	0.0270	ND	ND	ND
	Selenium	50	MCL	2.10	2.50	2.20	2.00	1.10	1.80	ND	1.80
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	0.0540	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	0.0390	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 D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Residences in Zone D3**

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		Location ID:	D3-PUAK1001	D3-PUAK1004	D3-PUAK1018	D3-PUAK1028	D3-PUAK1032	D3-PUAP0212	D3-PUAP0217	D3-PUAP0221
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1001 Puakala Street	1004 Puakala Street	1018 Puakala Street	1028 Puakala Street	1032 Puakala Street	212 Puapilo Court	217 Puapilo Court	221 Puapilo Court
		Field Sample ID:	D3-TW-0010366-23162-N	D3-TW-0010369-23162-N-T	D3-TW-0010377-23162-N	D3-TW-0010381-23162-N	D3-TW-0010383-23162-N	D3-TW-0010598-23162-N	D3-TW-0010603-23162-N-T	D3-TW-0010606-23162-N
		Sample Date:	2023-08-10	2023-07-19	2023-07-21	2023-11-30	2023-08-11	2023-09-27	2023-07-05	2023-07-21
		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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	D3-PUAK1001	D3-PUAK1004	D3-PUAK1018	D3-PUAK1028	D3-PUAK1032	D3-PUAP0212	D3-PUAP0217	D3-PUAP0221
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1001 Puakala Street	1004 Puakala Street	1018 Puakala Street	1028 Puakala Street	1032 Puakala Street	212 Puapilo Court	217 Puapilo Court	221 Puapilo Court
		Field Sample ID:	D3-TW-0010366-23162-N	D3-TW-0010369-23162-N-T	D3-TW-0010377-23162-N	D3-TW-0010381-23162-N	D3-TW-0010383-23162-N	D3-TW-0010598-23162-N	D3-TW-0010603-23162-N-T	D3-TW-0010606-23162-N
		Sample Date:	2023-08-10	2023-07-19	2023-07-21	2023-11-30	2023-08-11	2023-09-27	2023-07-05	2023-07-21
		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	--	--	0.270	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.660	ND	ND	ND	ND	0.290	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.660	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.59	ND	ND	ND	ND	0.290	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-PUAP0227	D3-PUUL0120	D3-WELA0252
				Location ID: D3-PUAP0227	Location ID: D3-PUUL0120	Location ID: D3-WELA0252
				Location Type: Residence	Location Type: Residence	Location Type: Residence
				Address: 227 Puapilo Court	Address: 120 Puuloa Circle	Address: 252 Wela Loop
				Field Sample ID: D3-TW-0010609-23162-N-T	Field Sample ID: D3-TW-0010621-23162-N	Field Sample ID: D3-TW-0010625-23162-N-T
				Sample Date: 2023-07-19	Sample Date: 2023-08-10	Sample Date: 2023-06-29
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	570	460	580
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	85.6	57.2	71.9
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	85.6	57.2	71.9
Metals (ppb)	Antimony	6	MCL	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND
	Chromium	100	MCL	0.870	0.750	2.10
	Copper	1300	MCL	56.4	38.9	6.50
	Lead	15	MCL	0.500	ND	0.150
	Mercury	2	MCL	ND	ND	ND
	Selenium	50	MCL	2.50	2.70	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:
				D3-PUAP0227	D3-PUUL0120	D3-WELA0252
				Residence	Residence	Residence
				227 Puapilo Court	120 Puuloa Circle	252 Wela Loop
				D3-TW-0010609-23162-N-T	D3-TW-0010621-23162-N	D3-TW-0010625-23162-N-T
				2023-07-19	2023-08-10	2023-06-29
				N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND

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**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-PUAP0227	D3-PUUL0120	D3-WELA0252
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	ND	ND	ND
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND

<b>Location ID:</b>	D3-PUAP0227	D3-PUUL0120	D3-WELA0252
<b>Location Type:</b>	Residence	Residence	Residence
<b>Address:</b>	227 Puapilo Court	120 Puuloa Circle	252 Wela Loop
<b>Field Sample ID:</b>	D3-TW-0010609-23162-N-T	D3-TW-0010621-23162-N	D3-TW-0010625-23162-N-T
<b>Sample Date:</b>	2023-07-19	2023-08-10	2023-06-29
<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Schools in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0001					Location ID: D3-BLDG0520			
				Location Type: School					Location Type: School			
				Address: Assets School, 1 Ohana Nui Way, Building 1					Address: Chester Nimitz Elementary, 520 Main St, Building 520			
				Field Sample ID:	D3-TW-0017506-23162-N-3	D3-TW-0017506-23162-N-2	D3-TW-0017506-23162-N-5	D3-TW-0017506-23162-N-1	D3-TW-0017506-23162-N-4	D3-TW-0017507-23162-N-2	D3-TW-0017507-23162-N-5	D3-TW-0017507-23162-N-4
				Sample Date:	2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-10-23	2023-10-23	2023-10-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	110-560	110-560	110-560	110-560	110-560	50.0-510	50.0-510	50.0-510	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	102	80.6	86.1	120	ND	60.2	51.1	52.6	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	51.1	69.2	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	102	80.6	137	189	ND	60.2	51.1	52.6	
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	2.10	2.10	2.10	2.10	2.20	2.10	2.10	2.30	
	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	0.720	0.620	0.650	0.620	0.640	0.680	0.570	0.620	
	Copper	1300	MCL	61.5	62.6	22.4	53.0	28.8	47.2	52.0	160	
	Lead	15	MCL	0.340	0.160	0.130	ND	0.190	ND	0.210	0.140	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	0.0280	ND	
	Selenium	50	MCL	2.70	2.20	2.70	2.40	2.60	1.30	1.30	0.460	
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	

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0001					Location ID: D3-BLDG0520			
				Location Type: School					Location Type: School			
				Address: Assets School, 1 Ohana Nui Way, Building 1					Address: Chester Nimitz Elementary, 520 Main St, Building 520			
				Field Sample ID:	D3-TW-0017506-23162-N-3	D3-TW-0017506-23162-N-2	D3-TW-0017506-23162-N-5	D3-TW-0017506-23162-N-1	D3-TW-0017506-23162-N-4	D3-TW-0017507-23162-N-2	D3-TW-0017507-23162-N-5	D3-TW-0017507-23162-N-4
				Sample Date:	2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-10-23	2023-10-23	2023-10-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-BLDG0001					D3-BLDG0520		
				Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date	Sample Type	Field Sample ID	Sample Date
				School					School		
				Assets School, 1 Ohana Nui Way, Building 1					Chester Nimitz Elementary, 520 Main St, Building 520		
				D3-TW-0017506-23162-N-3	D3-TW-0017506-23162-N-2	D3-TW-0017506-23162-N-5	D3-TW-0017506-23162-N-1	D3-TW-0017506-23162-N-4	D3-TW-0017507-23162-N-2	D3-TW-0017507-23162-N-5	D3-TW-0017507-23162-N-4
				2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-09-07	2023-10-23	2023-10-23	2023-10-23
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	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	--	--	1.50	0.510	0.300	0.580	0.480	ND	0.270	0.670
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.530	0.310	ND	0.360	0.350	ND	ND	0.460
	Total Trihalomethanes	80	MCL	2.03	0.820	0.300	0.940	0.830	ND	0.270	1.13



**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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**Drinking Water Samples collected in June-November 2023 from Schools in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H
				Location Type: School	Address: Chester Nimitz Elementary, 520 Main St, Building 520	Location Type: School	Address: Holy Family Catholic Academy, 830 Main St, Building 830				
				Field Sample ID: D3-TW-0017507-23162-N-1	Field Sample ID: D3-TW-0017507-23162-N-3	Field Sample ID: D3-TW-0017509-23162-N-5	Field Sample ID: D3-TW-0017509-23162-N-1	Field Sample ID: D3-TW-0017509-23162-N-2	Field Sample ID: D3-TW-0017509-23162-N-4	Field Sample ID: D3-TW-0017509-23162-N-3	Field Sample ID: D3-TW-0015133-23162-N-1
				Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-08-10
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	50.0-510	50.0-510	40.0-670	40.0-670	40.0-670	40.0-670	40.0-670	340-490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	65.2	53.4	117	120	72.2	ND	55.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	82.6	85.6	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	65.2	53.4	200	206	72.2	ND	55.2
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	2.10	2.10	2.00	2.10	2.10	2.10	3.20	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	0.570	0.540	1.00	1.10	1.10	1.20	ND	0.740
	Copper	1300	MCL	21.9	30.4	24.0	10.4	10.1	24.9	46.9	11.9
	Lead	15	MCL	ND	ND	ND	ND	ND	ND	0.190	0.450
	Mercury	2	MCL	0.0260	0.0260	ND	0.0270	ND	ND	ND	ND
	Selenium	50	MCL	1.00	1.00	2.20	1.70	1.60	1.40	0.440	2.60
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	0.100	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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Schools in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H
				Location Type: School	Address: Chester Nimitz Elementary, 520 Main St, Building 520	Location Type: School	Address: Holy Family Catholic Academy, 830 Main St, Building 830				
				Field Sample ID: D3-TW-0017507-23162-N-1	Field Sample ID: D3-TW-0017507-23162-N-3	Field Sample ID: D3-TW-0017509-23162-N-5	Field Sample ID: D3-TW-0017509-23162-N-1	Field Sample ID: D3-TW-0017509-23162-N-2	Field Sample ID: D3-TW-0017509-23162-N-4	Field Sample ID: D3-TW-0017509-23162-N-3	Field Sample ID: D3-TW-0015133-23162-N-1
				Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-08-10
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG0520		Location ID: D3-BLDG0830					Location ID: D3-BLDG1309H
				Location Type: School	Address: Chester Nimitz Elementary, 520 Main St, Building 520	Location Type: School	Address: Holy Family Catholic Academy, 830 Main St, Building 830				
				Field Sample ID: D3-TW-0017507-23162-N-1	Field Sample ID: D3-TW-0017507-23162-N-3	Field Sample ID: D3-TW-0017509-23162-N-5	Field Sample ID: D3-TW-0017509-23162-N-1	Field Sample ID: D3-TW-0017509-23162-N-2	Field Sample ID: D3-TW-0017509-23162-N-4	Field Sample ID: D3-TW-0017509-23162-N-3	Field Sample ID: D3-TW-0015133-23162-N-1
				Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-09-28	Sample Date: 2023-08-10
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	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	--	--	ND	0.280	ND	0.520	0.780	ND	0.530	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.320	0.440	ND	0.280	ND
	Total Trihalomethanes	80	MCL	ND	0.280	ND	0.840	1.22	ND	0.810	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
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		<b>Location ID:</b>		D3-BLDG1309H			
		<b>Location Type:</b>		School			
		<b>Address:</b>		MOKULELE ELEM BLDG A, 250 Aupaka St, Building 1309H			
		<b>Field Sample ID:</b>		D3-TW-0015133-23162-N-5	D3-TW-0015133-23162-N-4	D3-TW-0015133-23162-N-2	D3-TW-0015133-23162-N-3
		<b>Sample Date:</b>		2023-08-10	2023-08-10	2023-08-10	2023-08-10
		<b>Sample Type:</b>		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>				
Field Test (ppb)	Free Chlorine	4000	MCL	340-490	340-490	340-490	340-490
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	57.8	57.7	54.6	57.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	57.8	57.7	54.6	57.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	0.720	0.680	0.820	0.780
	Copper	1300	MCL	52.3	23.4	64.8	48.4
	Lead	15	MCL	0.150	0.330	0.320	0.310
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	1.90	1.90	2.70	2.00
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	D3-BLDG1309H				
		Location Type:	School				
		Address:	MOKULELE ELEM BLDG A, 250 Aupaka St, Building 1309H				
		Field Sample ID:	D3-TW-0015133-23162-N-5	D3-TW-0015133-23162-N-4	D3-TW-0015133-23162-N-2	D3-TW-0015133-23162-N-3	
		Sample Date:	2023-08-10	2023-08-10	2023-08-10	2023-08-10	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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				<b>Location ID:</b> D3-BLDG1309H				
				<b>Location Type:</b> School				
				<b>Address:</b> MOKULELE ELEM BLDG A, 250 Aupaka St, Building 1309H				
				<b>Field Sample ID:</b>	D3-TW-0015133-23162-N-5	D3-TW-0015133-23162-N-4	D3-TW-0015133-23162-N-2	D3-TW-0015133-23162-N-3
				<b>Sample Date:</b>	2023-08-10	2023-08-10	2023-08-10	2023-08-10
				<b>Sample Type:</b>	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>					
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	ND	0.650	
	Chloroform	--	--	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	0.330	
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.980	

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D3-BLDG0515		D3-BLDG1330H		D3-BLDG1335H		D3-BLDG1586H	
				210-220	210-220	80.0-230	80.0-230	220-390	220-390	250-420	250-420
Field Test (ppb)	Free Chlorine	4000	MCL	210-220	210-220	80.0-230	80.0-230	220-390	220-390	250-420	250-420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	78.6	81.8	ND	ND	64.4	53.4	54.8	54.2
	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	78.6	81.8	ND	ND	64.4	53.4	54.8	54.2
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	2.20	2.50	5.70	5.50	3.30	3.40	2.00	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	0.720	0.710	0.740	0.700	0.640	0.650	2.00	2.00
	Copper	1300	MCL	24.3	4.40	115	114	41.5	32.4	8.50	61.6
	Lead	15	MCL	2.60	0.330	0.260	0.210	0.430	0.130	ND	0.460
	Mercury	2	MCL	ND	ND	ND	ND	0.0260	ND	ND	ND
	Selenium	50	MCL	1.10	1.70	2.20	2.20	1.40	1.70	ND	ND
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
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	0.0160	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

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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N (Normal) = Full compliance sample
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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: D3-BLDG0515		Location ID: D3-BLDG1330H		Location ID: D3-BLDG1335H		Location ID: D3-BLDG1586H	
				Location Type: Child Development Center	Address: Building 515, Pearl Harbor Church of Christ (515 Main St)	Location Type: Child Development Center	Address: Building 1330H, YOUTH CENTER, 234 Melick Ave	Location Type: Child Development Center	Address: Building 1335H, SCHOOL AGE CENTER - CDC (850 Ticonderoga St)	Location Type: Child Development Center	Address: Building 1586H, CHILD DEVELOPMENT CENTER-HICKAM MAIN CDC (80 Liliwai St)
				Field Sample ID: D3-TW-0017510-23162-N-1	Field Sample ID: D3-TW-0017510-23162-N-2	Field Sample ID: D3-TW-0015139-23162-N-2	Field Sample ID: D3-TW-0015139-23162-N-1	Field Sample ID: D3-TW-0015141-23162-N-1	Field Sample ID: D3-TW-0015141-23162-N-2	Field Sample ID: D3-TW-0015143-23162-N-1	Field Sample ID: D3-TW-0015143-23162-N-2
				Sample Date: 2023-07-25	Sample Date: 2023-07-25	Sample Date: 2023-07-25	Sample Date: 2023-07-25	Sample Date: 2023-10-23	Sample Date: 2023-10-23	Sample Date: 2023-06-28	Sample Date: 2023-06-28
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
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
	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



**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone D3**

<b>Notes:</b>
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		<b>Location ID:</b>		D3-BLDG0515		D3-BLDG1330H		D3-BLDG1335H		D3-BLDG1586H	
		<b>Location Type:</b>		Child Development Center		Child Development Center		Child Development Center		Child Development Center	
		<b>Address:</b>		Building 515, Pearl Harbor Church of Christ (515 Main St)		Building 1330H, YOUTH CENTER, 234 Melick Ave		Building 1335H, SCHOOL AGE CENTER - CDC (850 Ticonderoga St)		Building 1586H, CHILD DEVELOPMENT CENTER-HICKAM MAIN CDC (80 Liliwai St)	
		<b>Field Sample ID:</b>		D3-TW-0017510-23162-N-1	D3-TW-0017510-23162-N-2	D3-TW-0015139-23162-N-2	D3-TW-0015139-23162-N-1	D3-TW-0015141-23162-N-1	D3-TW-0015141-23162-N-2	D3-TW-0015143-23162-N-1	D3-TW-0015143-23162-N-2
		<b>Sample Date:</b>		2023-07-25	2023-07-25	2023-07-25	2023-07-25	2023-10-23	2023-10-23	2023-06-28	2023-06-28
		<b>Sample Type:</b>		N (Normal)	N (Normal)	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)	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
	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	--	--	0.280	ND	0.290	0.250	ND	ND	ND	ND
	Bromoform	--	--	1.20	0.760	2.00	1.70	1.20	1.10	0.730	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.920	0.630	1.00	0.960	0.740	0.610	ND	ND
	Total Trihalomethanes	80	MCL	2.40	1.39	3.29	2.91	1.94	1.71	0.730	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1654H			D3-BLDG1859H		
				Location Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:
				D3-BLDG1597H Child Development Center Building 1597H, CHILD CARE CEN	D3-BLDG1654H Child Development Center Building 1654H, CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)	D3-BLDG1654H Child Development Center Building 1654H, CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)	D3-BLDG1859H Child Development Center Building 1859H, MAKAI RECREATION CENTER (Previously a NR before February 2023)	D3-BLDG1859H Child Development Center Building 1859H, MAKAI RECREATION CENTER (Previously a NR before February 2023)	D3-BLDG1859H Child Development Center Building 1859H, MAKAI RECREATION CENTER (Previously a NR before February 2023)	D3-BLDG1859H Child Development Center Building 1859H, MAKAI RECREATION CENTER (Previously a NR before February 2023)
				D3-TW-0015148-23162-N-1-T 2023-06-30 N (Normal)	D3-TW-0015153-23162-N-1 2023-10-23 N (Normal)	D3-TW-0015153-23162-N-2 2023-10-23 N (Normal)	D3-TW-0015186-23162-N-1 2023-09-28 N (Normal)	D3-TW-0015186-23162-3-N-1 2023-09-28 FD (Field Duplicate)	D3-TW-0015186-23162-N-2 2023-09-28 N (Normal)	
Field Test (ppb)	Free Chlorine	4000	MCL	470	210-320	210-320	570-860	570-860	570-860	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	55.6	51.1	ND	154	97.5	52.2	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	55.6	51.1	ND	154	97.5	52.2	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.00	1.90	2.00	1.90	1.90	2.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	
	Chromium	100	MCL	1.80	0.670	0.630	1.10	1.10	1.10	
	Copper	1300	MCL	9.30	26.6	68.4	5.80	6.10	7.30	
	Lead	15	MCL	ND	ND	0.380	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	0.0250	
	Selenium	50	MCL	0.380	1.20	1.60	1.40	1.50	1.40	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	
Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND		

Summary of Chemistry Results  
 Zone D3 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone D3

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1654H			D3-BLDG1859H		
				Location Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:
				D3-BLDG1597H Child Development Center Building 1597H, CHILD CARE CEN	D3-TW-0015148-23162-N-1-T 2023-06-30 N (Normal)	D3-TW-0015153-23162-N-1 2023-10-23 N (Normal)	D3-TW-0015153-23162-N-2 2023-10-23 N (Normal)	D3-TW-0015186-23162-N-1 2023-09-28 N (Normal)	D3-TW-0015186-23162-3-N-1 2023-09-28 FD (Field Duplicate)	D3-TW-0015186-23162-N-2 2023-09-28 N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND
	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

Summary of Chemistry Results  
 Zone D3 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-November 2023 from Child Development Centers in Zone D3

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D3-BLDG1597H			Location ID: D3-BLDG1654H			Location ID: D3-BLDG1859H							
				Location Type: Child Development Center	Address: Building 1597H, CHILD CARE CEN	Field Sample ID: D3-TW-0015148-23162-N-1-T	Sample Date: 2023-06-30	Sample Type: N (Normal)	Location Type: Child Development Center	Address: Building 1654H, CHILD DEVELOPMENT CENTER-HICKAM WEST CDC (170 Kuntz Ave)	Field Sample ID: D3-TW-0015153-23162-N-1	Sample Date: 2023-10-23	Sample Type: N (Normal)	Location Type: Child Development Center	Address: Building 1859H, MAKAI RECREATION CENTER (Previously a NR before February 2023)	Field Sample ID: D3-TW-0015186-23162-N-1	Sample Date: 2023-09-28
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	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	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	0.460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	0.460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Other Buildings in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D3-BLDG1864H	D3-BLDG2104H	D3-BLDG2181H	D3-BLDG2184H		D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence
					Medical Building	Non-Residence	Non-Residence	Non-Residence		Non-Residence	Non-Residence	Non-Residence
					BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	Building 2104H,AIR FORCE SECURITY SVC OPS	Building 2181H,BASE ENG PAV AND GROUNDS FAC	Building 2184H,FUEL MAINTENANCE SHOP		Building 2192H,GOLF EQUIPMENT BUILDING	Building 4070H,TRAFFIC CHECK HOUSE (VACANT)	Building 4071H,AF SECURITY SERVICE OPS
					D3-TW-0014166-23162-N	D3-TW-0015192-23162-N	D3-TW-0015208-23162-N	D3-TW-0015210-23162-N	D3-TW-0015210-23162-3-N	D3-TW-0015212-23162-N	D3-TW-0015224-23162-N	D3-TW-0015225-23162-N
					2023-10-18	2023-10-23	2023-10-18	2023-10-18	2023-10-18	2023-10-23	2023-10-18	2023-10-18
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	510	50.0	230	420	420	420	50.0	240	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	200	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	53.6	ND	ND	ND	56.1	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	53.6	ND	ND	ND	56.1	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	2.30	1.90	2.10	2.00	2.00	2.00	2.20	2.10	
	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	0.610	0.640	ND	0.520	0.600	0.650	0.530	0.580	
	Copper	1300	MCL	162	36.4	8.70	10.8	10.5	28.2	76.5	80.0	
	Lead	15	MCL	0.260	ND	0.250	ND	ND	ND	6.50	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	1.90	1.50	0.960	1.80	1.90	1.40	1.70	1.90	
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	0.0270	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	

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Other Buildings in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H		
				D3-BLDG1864H	D3-BLDG2104H	D3-BLDG2181H	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H	
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	D3-BLDG1864H	Medical Building	BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	D3-TW-0014166-23162-N	2023-10-18	N (Normal)	D3-BLDG2104H	D3-BLDG2181H	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H
	1,1-Dichloroethene	7	MCL	D3-BLDG2104H	Non-Residence	Building 2104H,AIR FORCE SECURITY SVC OPS	D3-TW-0015192-23162-N	2023-10-23	N (Normal)	D3-BLDG2181H	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H	
	1,2,4-Trichlorobenzene	70	MCL	D3-BLDG2181H	Non-Residence	Building 2181H,BASE ENG PAV AND GROUNDS FAC	D3-TW-0015208-23162-N	2023-10-18	N (Normal)	D3-BLDG2184H	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H		
	1,2-Dichlorobenzene	600	MCL	D3-BLDG2184H	Non-Residence	Building 2184H,FUEL MAINTENANCE SHOP	D3-TW-0015210-23162-N	2023-10-18	N (Normal)	D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H			
	1,2-Dichloroethane	5	MCL	D3-BLDG2192H	Non-Residence	Building 2192H,GOLF EQUIPMENT BUILDING	D3-TW-0015212-23162-N	2023-10-23	N (Normal)	D3-BLDG4070H	D3-BLDG4071H				
	1,2-Dichloroethene (Total)	70	MCL	D3-BLDG4070H	Non-Residence	Building 4070H,TRAFFIC CHECK HOUSE (VACANT)	D3-TW-0015224-23162-N	2023-10-18	N (Normal)	D3-BLDG4071H					
	1,2-Dichloropropane	5	MCL	D3-BLDG4071H	Non-Residence	Building 4071H,AF SECURITY SERVICE OPS	D3-TW-0015225-23162-N	2023-10-18	N (Normal)						
	1,4-Dichlorobenzene	75	MCL												
	Benzene	5	MCL												
	Carbon Tetrachloride	5	MCL												
	Chlorobenzene	100	MCL												
	cis-1,2-Dichloroethene	70	MCL												
	Ethylbenzene	700	MCL												
	m,p-Xylene	--	--												
	Methylene chloride	5	MCL												
	o-Xylene	--	--												
	Styrene	100	MCL												
	Tetrachloroethene (PCE)	5	MCL												
	Toluene	1000	MCL												
	trans-1,2-Dichloroethene	100	MCL												
Trichloroethene (TCE)	5	MCL													
Vinyl chloride	2	MCL													
Xylenes, Total	10000	MCL													

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Other Buildings in Zone D3**

<b>Notes:</b>
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	Location ID:	D3-BLDG1864H	D3-BLDG2104H	D3-BLDG2181H	D3-BLDG2184H		D3-BLDG2192H	D3-BLDG4070H	D3-BLDG4071H
				Location Type:	Medical Building	Non-Residence	Non-Residence	Non-Residence		Non-Residence	Non-Residence	Non-Residence
				Address:	BLDG 1864H - Veterinary Clinic, 1864 Kuntz Ave	Building 2104H,AIR FORCE SECURITY SVC OPS	Building 2181H,BASE ENG PAV AND GROUNDS FAC	Building 2184H,FUEL MAINTENANCE SHOP		Building 2192H,GOLF EQUIPMENT BUILDING	Building 4070H,TRAFFIC CHECK HOUSE (VACANT)	Building 4071H,AF SECURITY SERVICE OPS
				Field Sample ID:	D3-TW-0014166-23162-N	D3-TW-0015192-23162-N	D3-TW-0015208-23162-N	D3-TW-0015210-23162-N	D3-TW-0015210-23162-3-N	D3-TW-0015212-23162-N	D3-TW-0015224-23162-N	D3-TW-0015225-23162-N
				Sample Date:	2023-10-18	2023-10-23	2023-10-18	2023-10-18	2023-10-18	2023-10-23	2023-10-18	2023-10-18
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
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
	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	--	--	0.940	ND	0.260	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.690	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.63	ND	0.260	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

<b>Notes:</b>
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222		D3-HYD0411	D3-HYD0520	D3-HYD0592	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	
		Address:	FH 188	FH 213	FH 219	FH 222		FH 411	FH 520	FH 592	
		Field Sample ID:	D3-DL-0017729-23162 -N	D3-DL-0017735-23162 -N	D3-DL-0017733-23162 -N	D3-DL-0017730-23162 -N	D3-DL-0017730-23162 -3-N	D3-DL-0017731-23162 -N	D3-DL-0017734-23162 -N	D3-DL-0017732-23162 -N	
		Sample Date:	2023-10-24	2023-10-24	2023-10-24	2023-10-24	2023-10-24	2023-10-16	2023-10-24	2023-10-16	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	790	620	570	560	560	360	610	430
Field Test (ppb)	Free Chlorine	4000	MCL	790	620	570	560	560	360	610	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	63.0	72.9	86.3	84.6	68.3	87.2	56.7	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	63.0	72.9	86.3	84.6	68.3	87.2	56.7	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	2.20	1.90	2.30	2.20	2.00	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	0.540	0.550	0.630	0.620	0.640	0.730	0.620	0.570
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.20	1.70	1.50	1.10	1.50	1.80	1.20	1.50
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
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
	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



**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

<b>Notes:</b>
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§ - 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

		Location ID:	D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222		D3-HYD0411	D3-HYD0520	D3-HYD0592	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	
		Address:	FH 188	FH 213	FH 219	FH 222		FH 411	FH 520	FH 592	
		Field Sample ID:	D3-DL-0017729-23162 -N	D3-DL-0017735-23162 -N	D3-DL-0017733-23162 -N	D3-DL-0017730-23162 -N	D3-DL-0017730-23162 -3-N	D3-DL-0017731-23162 -N	D3-DL-0017734-23162 -N	D3-DL-0017732-23162 -N	
		Sample Date:	2023-10-24	2023-10-24	2023-10-24	2023-10-24	2023-10-24	2023-10-16	2023-10-24	2023-10-16	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Volatile Organic Compounds (ppb)	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	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
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	
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:
				D3-HYD0188	D3-HYD0213	D3-HYD0219	D3-HYD0222	D3-HYD0411	D3-HYD0520	D3-HYD0592	
				Location Type:	Location Type:	Location Type:	Location Type:		Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:	Address:		Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	0.280	ND	0.330
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	0.280	ND	0.330

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

<b>Notes:</b>
ND = Not Detected
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EPA MCL = EPA Maximum Contaminant Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	D3-HYD2080
<b>Location Type:</b>	Hydrant
<b>Address:</b>	FH ID: 473
<b>Field Sample ID:</b>	D3-DL-0000547-23162 -N
<b>Sample Date:</b>	2023-10-16
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	77.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	77.7
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	1.90
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	0.630
	Mercury	2	MCL	ND
	Selenium	50	MCL	1.70
	Thallium	2	MCL	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
	Naphthalene	17	EAL	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

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

<b>Location ID:</b>	D3-HYD2080
<b>Location Type:</b>	Hydrant
<b>Address:</b>	FH ID: 473
<b>Field Sample ID:</b>	D3-DL-0000547-23162 -N
<b>Sample Date:</b>	2023-10-16
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene (Total)	70	MCL	ND
	1,2-Dichloropropane	5	MCL	ND
	1,4-Dichlorobenzene	75	MCL	ND
	Benzene	5	MCL	ND
	Carbon Tetrachloride	5	MCL	ND
	Chlorobenzene	100	MCL	ND
	cis-1,2-Dichloroethene	70	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND
	Methylene chloride	5	MCL	ND
	o-Xylene	--	--	ND
	Styrene	100	MCL	ND
	Tetrachloroethene (PCE)	5	MCL	ND
	Toluene	1000	MCL	ND
	trans-1,2-Dichloroethene	100	MCL	ND
	Trichloroethene (TCE)	5	MCL	ND
	Vinyl chloride	2	MCL	ND
	Xylenes, Total	10000	MCL	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--
Chloroacetic acid		--	--	ND
Dibromoacetic acid		--	--	ND
Dichloroacetic acid		--	--	ND
Trichloroacetic acid		--	--	ND
Total Haloacetic acids		60	MCL	ND

**Summary of Chemistry Results**  
**Zone D3 Long Term Monitoring**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-November 2023 from Fire Hydrants in Zone D3**

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EAL = DOH Environmental Action Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	D3-HYD2080
<b>Location Type:</b>	Hydrant
<b>Address:</b>	FH ID: 473
<b>Field Sample ID:</b>	D3-DL-0000547-23162 -N
<b>Sample Date:</b>	2023-10-16
<b>Sample Type:</b>	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.270
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	0.270