

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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		Location ID:	D1-AHAN3326	D1-AHOO3302	D1-ALEA3334	D1-AMAC3311	D1-ASMI3343	D1-AVAL3308	D1-BBEN3327		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	3326A Hancock Place	3302A Hooper Place	3334 Leal Place	3311 Mack Place	3343 Smith Circle	3308A Valdez Place	3327B Benoit Place		
		Field Sample ID:	D1-TW-0001208-22330-N	D1-TW-0001168-22330-N	D1-TW-0000736-22330-N	D1-TW-0001124-22330-N	D1-TW-0000760-22330-N	D1-TW-0001194-22330-N	D1-TW-0001213-22330-3-N	D1-TW-0001213-22330-N	
		Sample Date:	2023-03-31	2023-03-28	2023-03-31	2023-04-11	2023-04-11	2023-04-11	2023-02-08	2023-02-08	
		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								
Field Test (ppb)	Free Chlorine	4000	MCL	320	40.0	30.0	450	230	260	410	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	67.1	69.7	65.8	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	65.4
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	67.1	69.7	65.8	ND	65.4
Metals (ppb)	Antimony	6	MCL	0.130	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.760	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	3.60	1.70	1.80	2.00	2.80	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.0560	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.60	2.10	2.60	1.50	1.40	1.50	1.80	1.80
	Copper	1300	MCL	19.9	19.4	65.3	44.7	31.1	31.4	14.7	18.4
	Lead	15	MCL	0.270	ND	0.510	ND	0.150	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.130	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:	D1-AHAN3326	D1-AHOO3302	D1-ALEA3334	D1-AMAC3311	D1-ASMI3343	D1-AVAL3308	D1-BBEN3327	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3326A Hancock Place	3302A Hooper Place	3334 Leal Place	3311 Mack Place	3343 Smith Circle	3308A Valdez Place	3327B Benoit Place	
		Field Sample ID:	D1-TW-0001208-22330-N	D1-TW-0001168-22330-N	D1-TW-0000736-22330-N	D1-TW-0001124-22330-N	D1-TW-0000760-22330-N	D1-TW-0001194-22330-N	D1-TW-0001213-22330-3-N	D1-TW-0001213-22330-N
		Sample Date:	2023-03-31	2023-03-28	2023-03-31	2023-04-11	2023-04-11	2023-04-11	2023-02-08	2023-02-08
		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							
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	0.810	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	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:	D1-AHAN3326	D1-AHOO3302	D1-ALEA3334	D1-AMAC3311	D1-ASMI3343	D1-AVAL3308	D1-BBEN3327	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3326A Hancock Place	3302A Hooper Place	3334 Leal Place	3311 Mack Place	3343 Smith Circle	3308A Valdez Place	3327B Benoit Place	
				Field Sample ID:	D1-TW-0001208-22330-N	D1-TW-0001168-22330-N	D1-TW-0000736-22330-N	D1-TW-0001124-22330-N	D1-TW-0000760-22330-N	D1-TW-0001194-22330-N	D1-TW-0001213-22330-3-N	D1-TW-0001213-22330-N
				Sample Date:	2023-03-31	2023-03-28	2023-03-31	2023-04-11	2023-04-11	2023-04-11	2023-02-08	2023-02-08
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	0.810	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.760	ND	ND	ND	ND	0.390	ND	ND
	Bromoform	--	--	0.300	3.90	1.10	ND	ND	ND	1.60	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	2.40	0.360	ND	ND	ND	1.10	ND	ND
	Total Trihalomethanes	80	MCL	0.300	7.06	1.46	ND	ND	ND	3.09	ND	ND

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		Location ID:	D1-BBEN3328	D1-BCRU3345	D1-BHAN3325		D1-BHOO3300	D1-BHOO3301		D1-BMCK3321	
		Location Type:	Residence	Residence	Residence		Residence	Residence		Residence	
		Address:	3328B Benoit Place	3345 Cruse Place	3325B Hancock Place		3300B Hooper Place	3301B Hooper Place		3321 McKeen Place	
		Field Sample ID:	D1-TW-0000709-22330-N	D1-TW-0000717-22330-N	D1-TW-0001205-22330-3-N	D1-TW-0001205-22330-N	D1-TW-0001161-22330-N	D1-TW-0001165-22330-3-N	D1-TW-0001165-22330-N	D1-TW-0001103-22330-N	
		Sample Date:	2023-04-17	2023-03-31	2023-01-11	2023-01-11	2023-03-31	2023-02-08	2023-02-08	2023-04-11	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	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	30.0	150	490	490	190	160	160	330
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	66.0	91.9	ND	ND	ND	71.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	66.0	91.9	ND	ND	ND	71.2
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	1.90	1.80	1.90	1.90	3.60	3.70	3.40	1.80
	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	1.70	2.50	2.00	2.00	2.70	1.90	2.00	1.40
	Copper	1300	MCL	23.5	21.8	25.4	24.0	25.3	49.8	38.3	34.0
	Lead	15	MCL	ND	ND	0.170	0.140	0.320	1.30	1.50	0.440
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
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	0.430
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:	Location ID:	Location ID:		Location ID:	Location ID:		Location ID:
				Location Type:	Location Type:	Location Type:		Location Type:	Location Type:		Location Type:
				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:
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	D1-BBEN3328 Residence 3328B Benoit Place D1-TW-0000709-22330-N 2023-04-17 N (Normal)	D1-BCRU3345 Residence 3345 Cruse Place D1-TW-0000717-22330-N 2023-03-31 N (Normal)	D1-BHAN3325 Residence 3325B Hancock Place D1-TW-0001205-22330-3-N 2023-01-11 FD (Field Duplicate)	D1-TW-0001205-22330-N 2023-01-11 N (Normal)	D1-BHOO3300 Residence 3300B Hooper Place D1-TW-0001161-22330-N 2023-03-31 N (Normal)	D1-BHOO3301 Residence 3301B Hooper Place D1-TW-0001165-22330-3-N 2023-02-08 FD (Field Duplicate)	D1-TW-0001165-22330-N 2023-02-08 N (Normal)	D1-BMCK3321 Residence 3321 McKeen Place D1-TW-0001103-22330-N 2023-04-11 N (Normal)
	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	0.810	ND	0.900	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence
					3328B Benoit Place	3345 Cruse Place	3325B Hancock Place		3300B Hooper Place	3301B Hooper Place		3321 McKeen Place
					D1-TW-0000709-22330-N	D1-TW-0000717-22330-N	D1-TW-0001205-22330-3-N	D1-TW-0001205-22330-N	D1-TW-0001161-22330-N	D1-TW-0001165-22330-3-N	D1-TW-0001165-22330-N	D1-TW-0001103-22330-N
					2023-04-17	2023-03-31	2023-01-11	2023-01-11	2023-03-31	2023-02-08	2023-02-08	2023-04-11
					N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
					ND	ND	ND	ND	ND	ND	ND	ND
					60	MCL	ND	ND	0.810	ND	0.900	ND
					ND	ND	ND	ND	0.730	0.700	0.570	ND
					0.570	ND	ND	ND	3.20	2.60	2.30	ND
					ND	ND	ND	ND	ND	ND	ND	ND
					0.370	ND	ND	ND	2.20	1.80	1.60	ND
					80	MCL	0.940	ND	6.13	5.10	4.47	ND

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		Location ID:	D1-BOTH0400	D1-BOTH0403	D1-BOTH0410	D1-BOTH0411	D1-BSMI3344	D1-BSTO3316	D1-BSTO3317	D1-CBEN3330	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	400 Bothne Court	403 Bothne Court	410 Bothne Court	411 Bothne Court	3344 Smith Circle	3316B Stommes Place	3317B Stommes Place	3330C Benoit Place	
		Field Sample ID:	D1-TW-0001006-22330-N	D1-TW-0001009-22330-N	D1-TW-0001016-22330-N	D1-TW-0001017-22330-N	D1-TW-0000765-22330-N	D1-TW-0001085-22330-N	D1-TW-0001089-22330-N	D1-TW-0000714-22330-N	
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-04-11	2023-04-17	2023-02-08	2023-04-11	2023-04-11	
		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	450	370	490	470	480	420	480	450
Field Test (ppb)	Free Chlorine	4000	MCL	450	370	490	470	480	420	480	450
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	72.4	55.3	ND	63.8	64.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	72.4	55.3	ND	63.8	64.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.100	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	1.80	1.80	2.10	2.00	1.80	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	2.10	1.90	1.90	1.50	1.80	1.80	1.50	1.40
	Copper	1300	MCL	50.2	56.8	60.5	34.0	25.5	16.1	16.7	30.7
	Lead	15	MCL	ND	ND	ND	ND	ND	0.200	0.130	0.240
	Mercury	2	MCL	0.0250	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0630	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	0.420	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 D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

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		Location ID:	D1-BOTH0400	D1-BOTH0403	D1-BOTH0410	D1-BOTH0411	D1-BSMI3344	D1-BSTO3316	D1-BSTO3317	D1-CBEN3330
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	400 Bothne Court	403 Bothne Court	410 Bothne Court	411 Bothne Court	3344 Smith Circle	3316B Stommes Place	3317B Stommes Place	3330C Benoit Place
		Field Sample ID:	D1-TW-0001006-22330-N	D1-TW-0001009-22330-N	D1-TW-0001016-22330-N	D1-TW-0001017-22330-N	D1-TW-0000765-22330-N	D1-TW-0001085-22330-N	D1-TW-0001089-22330-N	D1-TW-0000714-22330-N
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-04-11	2023-04-17	2023-02-08	2023-04-11	2023-04-11
		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 D1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

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		Location ID:	D1-BOTH0400	D1-BOTH0403	D1-BOTH0410	D1-BOTH0411	D1-BSMI3344	D1-BSTO3316	D1-BSTO3317	D1-CBEN3330
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	400 Bothne Court	403 Bothne Court	410 Bothne Court	411 Bothne Court	3344 Smith Circle	3316B Stommes Place	3317B Stommes Place	3330C Benoit Place
		Field Sample ID:	D1-TW-0001006-22330-N	D1-TW-0001009-22330-N	D1-TW-0001016-22330-N	D1-TW-0001017-22330-N	D1-TW-0000765-22330-N	D1-TW-0001085-22330-N	D1-TW-0001089-22330-N	D1-TW-0000714-22330-N
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-04-11	2023-04-17	2023-02-08	2023-04-11	2023-04-11
		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	ND
	Bromoform	--	--	ND	ND	ND	ND	0.330	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.330	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
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		Location ID:	D1-CHOO3302	D1-CHRI0301	D1-CHRI0317	D1-CLEA3331	D1-CMAC3312	D1-CORL3324	D1-CVAL3305		
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
		Address:	3302C Hooper Place	301 Christopher Court	317 Christopher Court	3331 Leal Place	3312 Mack Place	3324 Orlando Place	3305C Valdez Place		
		Field Sample ID:	D1-TW-0001170-22330-N	D1-TW-0000767-22330-N	D1-TW-0000783-22330-N	D1-TW-0000730-22330-N	D1-TW-0001130-22330-N	D1-TW-0001158-22330-N	D1-TW-0001182-22330-3-N	D1-TW-0001182-22330-N	
		Sample Date:	2023-01-11	2023-03-31	2023-01-11	2023-04-17	2023-02-08	2023-02-08	2023-05-01	2023-05-01	
		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	510	370	550	440	370	450	390	390
Field Test (ppb)	Free Chlorine	4000	MCL	510	370	550	440	370	450	390	390
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	57.3	ND	ND	60.9	ND	ND	57.6	53.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	57.3	ND	ND	60.9	ND	ND	57.6	53.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.640	0.640
	Barium	2000	MCL	2.40	1.70	1.90	1.90	1.90	1.90	2.80	2.70
	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	1.90	2.70	1.90	1.80	2.00	1.90	1.80	1.70
	Copper	1300	MCL	18.2	28.4	73.5	15.4	21.3	16.8	21.4	17.2
	Lead	15	MCL	0.190	0.230	ND	ND	ND	0.280	0.640	0.360
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	0.0540	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	0.0160	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	0.520	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 D1 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:	Location ID:	Location ID:	Location ID:	Location ID:	
				D1-CHOO3302	D1-CHRI0301	D1-CHRI0317	D1-CLEA3331	D1-CMAC3312	D1-CORL3324	D1-CVAL3305	
				Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address: 3302C Hooper Place	301 Christopher Court	317 Christopher Court	3331 Leal Place	3312 Mack Place	3324 Orlando Place	3305C Valdez Place	
				Field Sample ID: D1-TW-0001170-22330-N	D1-TW-0000767-22330-N	D1-TW-0000783-22330-N	D1-TW-0000730-22330-N	D1-TW-0001130-22330-N	D1-TW-0001158-22330-N	D1-TW-0001182-22330-3-N	D1-TW-0001182-22330-N
				Sample Date: 2023-01-11	2023-03-31	2023-01-11	2023-04-17	2023-02-08	2023-02-08	2023-05-01	2023-05-01
				Sample Type: 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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-CHOO3302	D1-CHRI0301	D1-CHRI0317	D1-CLEA3331	D1-CMAC3312	D1-CORL3324	D1-CVAL3305	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3302C Hooper Place	301 Christopher Court	317 Christopher Court	3331 Leal Place	3312 Mack Place	3324 Orlando Place	3305C Valdez Place	
				Field Sample ID:	D1-TW-0001170-22330-N	D1-TW-0000767-22330-N	D1-TW-0000783-22330-N	D1-TW-0000730-22330-N	D1-TW-0001130-22330-N	D1-TW-0001158-22330-N	D1-TW-0001182-22330-3-N	D1-TW-0001182-22330-N
				Sample Date:	2023-01-11	2023-03-31	2023-01-11	2023-04-17	2023-02-08	2023-02-08	2023-05-01	2023-05-01
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	ND	ND	ND	ND	ND	0.450	0.470
	Bromoform	--	--	0.560	ND	ND	0.280	ND	ND	ND	1.60	1.80
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.500	ND	ND	ND	ND	ND	ND	1.10	1.30
	Total Trihalomethanes	80	MCL	1.06	ND	ND	0.280	ND	ND	ND	3.15	3.57

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-DMAC3310	D1-DUNL0203	D1-DUNL0219	D1-DVAL3306	D1-EOUT1001		D1-ETEA0703	D1-ETEA0705
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3310 Mack Place	203 Dunlap Court	219 Dunlap Court	3306D Valdez Place	1001 East Outerbridge Court		703 East Teaff Court	705 East Teaff Court
				Field Sample ID:	D1-TW-0001123-22330-N	D1-TW-0001069-22330-N	D1-TW-0001077-22330-N	D1-TW-0001187-22330-N	D1-TW-0000861-22330-3-N	D1-TW-0000861-22330-N	D1-TW-0000837-22330-N	D1-TW-0000839-22330-N
				Sample Date:	2023-03-28	2023-04-03	2023-04-17	2023-04-17	2023-04-17	2023-04-17	2023-04-11	2023-03-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	440	380	560	490	290	290	350	230	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	76.0	ND	60.6	57.9	62.7	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	76.0	ND	60.6	57.9	62.7	ND	
Metals (ppb)	Antimony	6	MCL	0.140	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	0.910	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	1.90	1.80	1.80	2.70	1.90	1.90	1.90	1.80	
	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	2.20	1.80	1.70	1.60	1.90	1.80	1.70	2.20	
	Copper	1300	MCL	85.4	62.0	36.3	10.2	52.4	57.2	86.6	43.8	
	Lead	15	MCL	ND	ND	ND	ND	0.520	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0630	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	

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-DMAC3310	D1-DUNL0203	D1-DUNL0219	D1-DVAL3306	D1-EOUT1001		D1-ETEA0703	D1-ETEA0705
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3310 Mack Place	203 Dunlap Court	219 Dunlap Court	3306D Valdez Place	1001 East Outerbridge Court		703 East Teaff Court	705 East Teaff Court
				Field Sample ID:	D1-TW-0001123-22330-N	D1-TW-0001069-22330-N	D1-TW-0001077-22330-N	D1-TW-0001187-22330-N	D1-TW-0000861-22330-3-N	D1-TW-0000861-22330-N	D1-TW-0000837-22330-N	D1-TW-0000839-22330-N
				Sample Date:	2023-03-28	2023-04-03	2023-04-17	2023-04-17	2023-04-17	2023-04-17	2023-04-11	2023-03-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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

Summary of Chemistry Results
 Zone D1 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:	D1-DMAC3310	D1-DUNL0203	D1-DUNL0219	D1-DVAL3306	D1-EOUT1001		D1-ETEA0703	D1-ETEA0705
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3310 Mack Place	203 Dunlap Court	219 Dunlap Court	3306D Valdez Place	1001 East Outerbridge Court		703 East Teaff Court	705 East Teaff Court
				Field Sample ID:	D1-TW-0001123-22330-N	D1-TW-0001069-22330-N	D1-TW-0001077-22330-N	D1-TW-0001187-22330-N	D1-TW-0000861-22330-3-N	D1-TW-0000861-22330-N	D1-TW-0000837-22330-N	D1-TW-0000839-22330-N
				Sample Date:	2023-03-28	2023-04-03	2023-04-17	2023-04-17	2023-04-17	2023-04-17	2023-04-11	2023-03-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	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	0.400	ND	ND	ND	ND	ND
	Bromoform	--	--	0.260	ND	2.40	1.40	0.310	0.350	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.720	1.10	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.260	ND	3.12	2.90	0.310	0.350	ND	ND	ND

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		Location ID:	D1-FISL1804	D1-FPOW3337	D1-GOMB1402	D1-GOMB1407	D1-GRAH0501		D1-GRAH0507	D1-KAUF1506	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	1804 Fisler Court	3337 Powell Loop	1402 Gombasy Court	1407 Gombasy Court	501 Graham Court		507 Graham Court	1506 Kaufman Court	
		Field Sample ID:	D1-TW-0000990-22330-N	D1-TW-0001115-22330-N	D1-TW-0000898-22330-N	D1-TW-0000903-22330-N	D1-TW-0001021-22330-3-N	D1-TW-0001021-22330-N	D1-TW-0001027-22330-N	D1-TW-0000940-22330-N	
		Sample Date:	2023-03-31	2023-03-31	2023-01-11	2023-04-11	2023-01-11	2023-01-11	2023-04-11	2023-03-31	
		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								
Field Test (ppb)	Free Chlorine	4000	MCL	490	400	280	70.0	420	420	30.0	60.0
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	90.7	92.7	ND	91.5	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	90.7	92.7	ND	91.5	ND
Metals (ppb)	Antimony	6	MCL	0.140	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	2.00	1.80	1.90	2.30	1.80	1.80
	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	2.60	2.70	2.00	1.50	1.90	2.40	1.50	2.60
	Copper	1300	MCL	44.9	35.1	116	76.6	34.3	42.5	99.4	43.2
	Lead	15	MCL	0.130	0.180	0.250	ND	0.350	0.340	0.250	0.380
	Mercury	2	MCL	ND	ND	0.0250	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0720	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	0.0150	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:	D1-FISL1804	D1-FPOW3337	D1-GOMB1402	D1-GOMB1407	D1-GRAH0501		D1-GRAH0507	D1-KAUF1506
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence
					1804 Fisler Court	3337 Powell Loop	1402 Gombasy Court	1407 Gombasy Court	501 Graham Court		507 Graham Court	1506 Kaufman Court
					D1-TW-0000990-22330-N	D1-TW-0001115-22330-N	D1-TW-0000898-22330-N	D1-TW-0000903-22330-N	D1-TW-0001021-22330-3-N	D1-TW-0001021-22330-N	D1-TW-0001027-22330-N	D1-TW-0000940-22330-N
					2023-03-31	2023-03-31	2023-01-11	2023-04-11	2023-01-11	2023-01-11	2023-04-11	2023-03-31
					N (Normal)	N (Normal)	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	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone D1 Long Term Monitoring
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		Location ID:	D1-FISL1804	D1-FPOW3337	D1-GOMB1402	D1-GOMB1407	D1-GRAH0501		D1-GRAH0507	D1-KAUF1506
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	1804 Fisler Court	3337 Powell Loop	1402 Gombasy Court	1407 Gombasy Court	501 Graham Court		507 Graham Court	1506 Kaufman Court
		Field Sample ID:	D1-TW-0000990-22330-N	D1-TW-0001115-22330-N	D1-TW-0000898-22330-N	D1-TW-0000903-22330-N	D1-TW-0001021-22330-3-N	D1-TW-0001021-22330-N	D1-TW-0001027-22330-N	D1-TW-0000940-22330-N
		Sample Date:	2023-03-31	2023-03-31	2023-01-11	2023-04-11	2023-01-11	2023-01-11	2023-04-11	2023-03-31
		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							
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	0.300	0.330	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	0.300	0.330	ND	ND	ND

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		Location ID:	D1-MCMU1302	D1-MEAD1202	D1-SING0102	D1-SING0104	D1-TAUS1602	D1-THAT0610	D1-WAGO1701	D1-WOUT1100	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1302 McMurtry Court	1202 Mead Place	102 Singleton Court	104 Singleton Court	1602 Taussig Court	610 Thatcher Court	1701 Wagoner Court	1100 West Outerbridge Court	
		Field Sample ID:	D1-TW-0000910-22330-N	D1-TW-0000892-22330-N	D1-TW-0001040-22330-N	D1-TW-0001042-22330-N	D1-TW-0000958-22330-N	D1-TW-0000829-22330-N	D1-TW-0000967-22330-N	D1-TW-0000876-22330-N	
		Sample Date:	2023-01-11	2023-03-31	2023-01-11	2023-04-11	2023-04-03	2023-03-28	2023-01-11	2023-01-11	
		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	250	110	380	320	30.0	390	390	330
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	68.2	ND	ND	ND	55.8
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	68.2	ND	ND	ND	55.8
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	1.80	2.00	1.80	1.80	1.80	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	2.10	2.90	2.10	1.60	1.60	2.00	1.70	3.50
	Copper	1300	MCL	89.2	59.7	80.0	42.9	110	52.7	78.8	39.6
	Lead	15	MCL	0.620	1.30	ND	0.870	0.610	ND	0.240	0.200
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
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	0.490	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-MCMU1302	D1-MEAD1202	D1-SING0102	D1-SING0104	D1-TAUS1602	D1-THAT0610	D1-WAGO1701	D1-WOUT1100
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1302 McMurtry Court	1202 Mead Place	102 Singleton Court	104 Singleton Court	1602 Taussig Court	610 Thatcher Court	1701 Wagoner Court	1100 West Outerbridge Court
				Field Sample ID:	D1-TW-0000910-22330-N	D1-TW-0000892-22330-N	D1-TW-0001040-22330-N	D1-TW-0001042-22330-N	D1-TW-0000958-22330-N	D1-TW-0000829-22330-N	D1-TW-0000967-22330-N	D1-TW-0000876-22330-N
				Sample Date:	2023-01-11	2023-03-31	2023-01-11	2023-04-11	2023-04-03	2023-03-28	2023-01-11	2023-01-11
				Sample Type:	N (Normal)	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	ND
	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

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		Location ID:	D1-MCMU1302	D1-MEAD1202	D1-SING0102	D1-SING0104	D1-TAUS1602	D1-THAT0610	D1-WAGO1701	D1-WOUT1100
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1302 McMurtry Court	1202 Mead Place	102 Singleton Court	104 Singleton Court	1602 Taussig Court	610 Thatcher Court	1701 Wagoner Court	1100 West Outerbridge Court
		Field Sample ID:	D1-TW-0000910-22330-N	D1-TW-0000892-22330-N	D1-TW-0001040-22330-N	D1-TW-0001042-22330-N	D1-TW-0000958-22330-N	D1-TW-0000829-22330-N	D1-TW-0000967-22330-N	D1-TW-0000876-22330-N
		Sample Date:	2023-01-11	2023-03-31	2023-01-11	2023-04-11	2023-04-03	2023-03-28	2023-01-11	2023-01-11
		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)	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
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	3.60	1.40	ND	1.10	ND	0.940
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.720	0.910	ND	0.290	ND	0.320
	Total Trihalomethanes	80	MCL	ND	4.32	2.31	ND	1.39	ND	0.940

**Summary of Chemistry Results
Zone D1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

Notes:
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EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-WTEA0802		Location ID: D1-WTEA0819	
				Location Type: Residence	Address: 802 West Teaff Court	Location Type: Residence	Address: 819 West Teaff Court
				Field Sample ID: D1-TW-0000844-22330-N	Sample Date: 2023-03-28	Sample Type: N (Normal)	
							Field Sample ID: D1-TW-0000859-22330-3-N
							Sample Date: 2023-03-31
							Sample Type: FD (Field Duplicate)
							Field Sample ID: D1-TW-0000859-22330-N
							Sample Date: 2023-03-31
							Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	270	520	520	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	
	Barium	2000	MCL	1.80	1.70	1.70	
	Beryllium	4	MCL	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	
	Chromium	100	MCL	2.00	2.60	2.70	
	Copper	1300	MCL	75.2	45.2	59.7	
	Lead	15	MCL	ND	ND	ND	
	Mercury	2	MCL	ND	ND	ND	
	Selenium	50	MCL	ND	ND	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 D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

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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: D1-WTEA0802		Location ID: D1-WTEA0819	
				Location Type: Residence	Address: 802 West Teaff Court	Location Type: Residence	Address: 819 West Teaff Court
				Field Sample ID: D1-TW-0000844-22330-N	Field Sample ID: D1-TW-0000859-22330-3-N	Field Sample ID: D1-TW-0000859-22330-N	
				Sample Date: 2023-03-28	Sample Date: 2023-03-31	Sample Date: 2023-03-31	
				Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: 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	

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone D1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-WTEA0819	
				D1-WTEA0802	Residence	Residence
				Residence	Residence	
				802 West Teaff Court	819 West Teaff Court	
				Field Sample ID: D1-TW-0000844-22330-N	D1-TW-0000859-22330-3-N	D1-TW-0000859-22330-N
				Sample Date: 2023-03-28	2023-03-31	2023-03-31
				Sample Type: N (Normal)	FD (Field Duplicate)	N (Normal)
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

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Schools in Zone D1

Notes:
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EPA MCL = EPA Maximum Contaminant Level
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	D1-BLDGD1-22					
		Location Type:	School					
		Address:	PEARL HARBOR KAI ELEMENTARY, Building D1-22					
		Field Sample ID:	D1-TW-0015098-22330-N-1	D1-TW-0015098-22330-N-2	D1-TW-0015098-22330-N-3	D1-TW-0015098-22330-N-4	D1-TW-0015098-22330-N-5	
		Sample Date:	2023-03-29	2023-03-29	2023-03-29	2023-03-29	2023-03-29	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Field Test (ppb)	Free Chlorine	4000	MCL	180-500	180-500	180-500	180-500	180-500
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	54.9	77.8	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	54.9	77.8	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.80	1.90	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	1.90	2.00	1.90	2.00
	Copper	1300	MCL	54.0	140	34.9	150	33.5
	Lead	15	MCL	1.60	0.460	0.140	0.220	1.50
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND
Thallium	2	MCL	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Schools in Zone D1

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

		Location ID:	D1-BLDGD1-22					
		Location Type:	School					
		Address:	PEARL HARBOR KAI ELEMENTARY, Building D1-22					
		Field Sample ID:	D1-TW-0015098-22330-N-1	D1-TW-0015098-22330-N-2	D1-TW-0015098-22330-N-3	D1-TW-0015098-22330-N-4	D1-TW-0015098-22330-N-5	
		Sample Date:	2023-03-29	2023-03-29	2023-03-29	2023-03-29	2023-03-29	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Schools in Zone D1

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		Location ID:	D1-BLDGD1-22					
		Location Type:	School					
		Address:	PEARL HARBOR KAI ELEMENTARY, Building D1-22					
		Field Sample ID:	D1-TW-0015098-22330-N-1	D1-TW-0015098-22330-N-2	D1-TW-0015098-22330-N-3	D1-TW-0015098-22330-N-4	D1-TW-0015098-22330-N-5	
		Sample Date:	2023-03-29	2023-03-29	2023-03-29	2023-03-29	2023-03-29	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	0.280	0.380	ND	0.260	ND
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.280	0.380	ND	0.260	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone D1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-BLDG0204		Location ID: D1-BLDG0930	
				Location Type: Child Development Center	Location Type: Child Development Center	Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)	Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)
				Field Sample ID: D1-TW-0015067-22330-N-1	Field Sample ID: D1-TW-0015067-22330-N-2	Field Sample ID: D1-TW-0015074-22330-N-1	Field Sample ID: D1-TW-0015074-22330-N-2
				Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	310-340	310-340	30.0-480	30.0-480
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	0.110	ND
	Arsenic	10	MCL	ND	ND	0.840	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	2.10	ND	2.10	2.00
	Copper	1300	MCL	12.6	25.4	78.0	67.8
	Lead	15	MCL	ND	0.150	0.340	0.150
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND
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
Naphthalene	17	EAL	ND	ND	ND	ND	

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone D1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-BLDG0204		Location ID: D1-BLDG0930	
				Location Type: Child Development Center	Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)	Location Type: Child Development Center	Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)
				Field Sample ID: D1-TW-0015067-22330-N-1	Field Sample ID: D1-TW-0015067-22330-N-2	Field Sample ID: D1-TW-0015074-22330-N-1	Field Sample ID: D1-TW-0015074-22330-N-2
				Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28
				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
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	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

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone D1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-BLDG0204		Location ID: D1-BLDG0930	
				Location Type: Child Development Center	Location Type: Child Development Center	Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)	Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)
				Field Sample ID: D1-TW-0015067-22330-N-1	Field Sample ID: D1-TW-0015067-22330-N-2	Field Sample ID: D1-TW-0015074-22330-N-1	Field Sample ID: D1-TW-0015074-22330-N-2
				Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28	Sample Date: 2023-03-28
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Volatile Organic Compounds (ppb)	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
	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	--	--	0.360	0.380	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.250	0.280	ND	ND
	Total Trihalomethanes	80	MCL	0.610	0.660	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone D1

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		Location ID:	D1-BLDG0199	D1-BLDG0900	D1-BLDG1369	D1-BLDG1491	D1-BLDG1492	D1-BLDG1672	D1-BLDG1673A	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 199,OCHR PACIFIC SITE OFFICE SERVICE CTR	Building 900,BQ OKLAHOMA HALL	Building 1369,ENLISTED MENS BARRACKS, 5043 Battleship Dr	Building 1491,ENLISTED MENS BARRACKS	Building 1492,ENLISTED MENS BARRACKS	Building 1672,CHANGE ROOM - NAVIMFAC	Building 1673A,PAINT BLASTING SHOP (X71)	
		Field Sample ID:	D1-TW-0015066- 22330-N	D1-TW-0015070- 22330-N	D1-TW-0015087- 22330-N	D1-TW-0015093- 22330-N	D1-TW-0015094- 22330-N	D1-TW-0015119- 22330-N	D1-TW-0015120- 22330-N	
		Sample Date:	2023-03-31	2023-04-17	2023-02-08	2023-04-11	2023-04-11	2023-04-17	2023-04-11	
		Sample Type:	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	30.0	20.0	410	50.0	470	150	100
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	65.1	ND	ND	61.7	ND	69.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	65.1	ND	ND	61.7	ND	69.1
Metals (ppb)	Antimony	6	MCL	0.280	ND	ND	0.220	0.120	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.00	1.90	2.10	2.50	2.20	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	1.70	2.40	1.60	1.70	0.950	1.60
	Copper	1300	MCL	18.9	61.0	25.8	139	169	89.9	82.1
	Lead	15	MCL	2.90	0.530	0.280	0.850	1.00	ND	0.340
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	0.0510	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	0.0110	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone D1

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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:
				D1-BLDG0199	D1-BLDG0900	D1-BLDG1369	D1-BLDG1491	D1-BLDG1492	D1-BLDG1672	D1-BLDG1673A
				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)	1,1,2-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
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone D1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-BLDG0199	D1-BLDG0900	D1-BLDG1369	D1-BLDG1491	D1-BLDG1492	D1-BLDG1672	D1-BLDG1673A
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 199,OCHR PACIFIC SITE OFFICE SERVICE CTR	Building 900,BQ OKLAHOMA HALL	Building 1369,ENLISTED MENS BARRACKS, 5043 Battleship Dr	Building 1491,ENLISTED MENS BARRACKS	Building 1492,ENLISTED MENS BARRACKS	Building 1672,CHANGE ROOM - NAVIMFAC	Building 1673A,PAINT BLASTING SHOP (X71)
				Field Sample ID:	D1-TW-0015066-22330-N	D1-TW-0015070-22330-N	D1-TW-0015087-22330-N	D1-TW-0015093-22330-N	D1-TW-0015094-22330-N	D1-TW-0015119-22330-N	D1-TW-0015120-22330-N
				Sample Date:	2023-03-31	2023-04-17	2023-02-08	2023-04-11	2023-04-11	2023-04-17	2023-04-11
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
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	--	--	ND	ND	ND	ND	ND	ND	0.560	ND
	Bromoform	--	--	ND	0.920	0.390	1.00	0.470	3.40	0.300	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	1.40	ND	
	Total Trihalomethanes	80	MCL	ND	0.920	0.390	1.00	0.470	5.36	0.300	

Summary of Chemistry Results
 Zone D1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone D1

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		Location ID:	D1-HYD2237	D1-HYD714	D1-HYD731	D1-HYD748	D1-HYD771	D1-HYD835	
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: 436	FH ID: 714	FH ID: 731	FH ID: 748	FH ID: 771	FH ID: 768	
		Field Sample ID:	D1-DL-0017564-22330 -N	D1-DL-0017563-22330 -N	D1-DL-0017561-22330 -N	D1-DL-0017565-22330 -N	D1-DL-0017562-22330 -N	D1-DL-0000548-22330 -N	
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-02-08	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	50.0	330	300	580	430	650
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	330	300	580	430	650
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	97.4	89.3	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	97.4	89.3	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	12.9	1.90	2.10	2.50	2.20	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.740	1.90	2.00	2.30	1.80	1.80
	Mercury	2	MCL	ND	0.0620	ND	ND	0.0630	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	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
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND

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		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: 436	FH ID: 714	FH ID: 731	FH ID: 748	FH ID: 771	FH ID: 768	
		Field Sample ID:	D1-DL-0017564-22330 -N	D1-DL-0017563-22330 -N	D1-DL-0017561-22330 -N	D1-DL-0017565-22330 -N	D1-DL-0017562-22330 -N	D1-DL-0000548-22330 -N	
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-02-08	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D1-HYD2237	D1-HYD714	D1-HYD731	D1-HYD748	D1-HYD771	D1-HYD835
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	ND	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND

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		Location ID:	D1-HYD2237	D1-HYD714	D1-HYD731	D1-HYD748	D1-HYD771	D1-HYD835
		Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: 436	FH ID: 714	FH ID: 731	FH ID: 748	FH ID: 771	FH ID: 768
		Field Sample ID:	D1-DL-0017564-22330 -N	D1-DL-0017563-22330 -N	D1-DL-0017561-22330 -N	D1-DL-0017565-22330 -N	D1-DL-0017562-22330 -N	D1-DL-0000548-22330 -N
		Sample Date:	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-01-11	2023-02-08
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	2.90	ND	ND	ND	0.290
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.750	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	3.65	ND	ND	ND	0.290