

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

Drinking Water Samples collected in June - September 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
-- = 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:		D1-BHAN3325	D1-BHOO3303	D1-BOTH0406	D1-CHRI0308	D1-CHRI0312		D1-CHRI0325	D1-CSTO3317
		Location Type:		Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:		3325B Hancock Place	3303B Hooper Place	406 Bothne Court	308 Christopher Court	312 Christopher Court		325 Christopher Court	3317C Stommes Place
		Field Sample ID:		D1-TW-0001205-23145-N-T	D1-TW-0001173-23145-N	D1-TW-0001012-23145-N	D1-TW-0000774-23145-N	D1-TW-0000778-23145-N-T	D1-TW-0000778-23145-3-N-T	D1-TW-0000790-23145-N	D1-TW-0001090-23145-N
		Sample Date:		2023-07-06	2023-09-21	2023-08-29	2023-08-30	2023-07-17	2023-07-17	2023-08-29	2023-08-29
		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	520	50.0	360	590	320	320	650	650
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	54.7	90.2	64.5	101	67.5	62.2	87.8	61.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	89.7	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	54.7	90.2	64.5	191	67.5	62.2	87.8	61.7
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	1.90	2.20	2.00	1.90	1.90	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	2.10	ND	0.790	ND	1.10	1.10	0.630	0.620
	Copper	1300	MCL	45.6	13.3	55.1	26.8	58.1	81.2	44.6	9.60
	Lead	15	MCL	0.380	ND	0.180	0.140	ND	ND	0.130	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.00	1.70	2.00	1.00	1.80	1.90	1.70	1.70
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	0.0140	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	0.450	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-BHAN3325	D1-BHOO3303	D1-BOTH0406	D1-CHRI0308	D1-CHRI0312		D1-CHRI0325	D1-CSTO3317
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3325B Hancock Place	3303B Hooper Place	406 Bothne Court	308 Christopher Court	312 Christopher Court		325 Christopher Court	3317C Stommes Place
				Field Sample ID:	D1-TW-0001205-23145-N-T	D1-TW-0001173-23145-N	D1-TW-0001012-23145-N	D1-TW-0000774-23145-N	D1-TW-0000778-23145-N-T	D1-TW-0000778-23145-3-N-T	D1-TW-0000790-23145-N	D1-TW-0001090-23145-N
				Sample Date:	2023-07-06	2023-09-21	2023-08-29	2023-08-30	2023-07-17	2023-07-17	2023-08-29	2023-08-29
				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									
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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				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3325B Hancock Place	3303B Hooper Place	406 Bothne Court	308 Christopher Court	312 Christopher Court		325 Christopher Court	3317C Stommes Place
				Field Sample ID:	D1-TW-0001205-23145-N-T	D1-TW-0001173-23145-N	D1-TW-0001012-23145-N	D1-TW-0000774-23145-N	D1-TW-0000778-23145-N-T	D1-TW-0000778-23145-3-N-T	D1-TW-0000790-23145-N	D1-TW-0001090-23145-N
				Sample Date:	2023-07-06	2023-09-21	2023-08-29	2023-08-30	2023-07-17	2023-07-17	2023-08-29	2023-08-29
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
				DOH Project Screening Level	Basis of Project Screening Level							
Method Group	Analyte											
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	0.250	ND	ND	ND	0.370	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.330	ND	ND	ND	0.340	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	0.580	ND	ND	ND	0.710	ND

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		Location ID:		D1-DCRU3346		D1-DLEA3335		D1-DORL3322	D1-DPOW3338	D1-DSMI3339	D1-DUNL0205	D1-DVAL3309
		Location Type:		Residence		Residence		Residence	Residence	Residence	Residence	Residence
		Address:		3346 Cruse Place		3335 Leal Place		3322 Orlando Place	3338 Powell Loop	3339 Smith Circle	205 Dunlap Court	3309D Valdez Place
		Field Sample ID:		D1-TW-0000721-23145-N		D1-TW-0000743-23145-N	D1-TW-0000743-23145-3-N	D1-TW-0001149-23145-N	D1-TW-0001119-23145-N	D1-TW-0000747-23145-N	D1-TW-0001070-23145-N	D1-TW-0001203-23145-N
		Sample Date:		2023-08-29		2023-07-07	2023-07-07	2023-07-14	2023-07-12	2023-07-13	2023-07-18	2023-07-12
		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	620	480	480		ND	140	120	470	560
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND		ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	52.8	59.4	ND		64.7	59.6	55.5	56.3	73.0
	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	52.8	59.4	ND		64.7	59.6	55.5	56.3	73.0
Metals (ppb)	Antimony	6	MCL	ND	0.120	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		1.80	1.80	1.90	1.80	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	0.620	2.00	2.00		0.790	1.90	0.650	0.800	1.90
	Copper	1300	MCL	22.8	16.5	32.8		40.7	23.2	35.5	22.0	14.5
	Lead	15	MCL	0.290	0.140	0.130		ND	ND	ND	0.380	ND
	Mercury	2	MCL	ND	ND	ND		ND	ND	ND	ND	ND
	Selenium	50	MCL	1.80	ND	ND		2.80	ND	2.70	2.50	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	0.0760	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		0.0170	ND	0.0210	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND		ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND		ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND		ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND		ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND		ND	ND	ND	ND	ND

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				Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
				Address:	3346 Cruse Place	3335 Leal Place		3322 Orlando Place	3338 Powell Loop	3339 Smith Circle	205 Dunlap Court	3309D Valdez Place
				Field Sample ID:	D1-TW-0000721-23145-N	D1-TW-0000743-23145-N	D1-TW-0000743-23145-3-N	D1-TW-0001149-23145-N	D1-TW-0001119-23145-N	D1-TW-0000747-23145-N	D1-TW-0001070-23145-N	D1-TW-0001203-23145-N
				Sample Date:	2023-08-29	2023-07-07	2023-07-07	2023-07-14	2023-07-12	2023-07-13	2023-07-18	2023-07-12
				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									
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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		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
		Address:	3346 Cruse Place	3335 Leal Place		3322 Orlando Place	3338 Powell Loop	3339 Smith Circle	205 Dunlap Court	3309D Valdez Place
		Field Sample ID:	D1-TW-0000721-23145-N	D1-TW-0000743-23145-N	D1-TW-0000743-23145-3-N	D1-TW-0001149-23145-N	D1-TW-0001119-23145-N	D1-TW-0000747-23145-N	D1-TW-0001070-23145-N	D1-TW-0001203-23145-N
		Sample Date:	2023-08-29	2023-07-07	2023-07-07	2023-07-14	2023-07-12	2023-07-13	2023-07-18	2023-07-12
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
		DOH Project Screening Level	Basis of Project Screening Level							
Method Group	Analyte									
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	0.300	ND
	Bromoform	--	--	ND	0.260	ND	ND	0.250	0.280	0.330
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	1.30	0.380
	Total Trihalomethanes	80	MCL	ND	0.260	ND	ND	0.250	0.280	0.710

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		Location ID:		D1-DVAL3309	D1-EOUT1016	D1-ETEA0706	D1-FCRU3346	D1-FISL1801	D1-FISL1807	D1-FISL1808	
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:		3309D Valdez Place	1016 East Outerbridge Court	706 East Teaff Court	3346 Cruse Place	1801 Fisler Court	1807 Fisler Court	1808 Fisler Court	
		Field Sample ID:		D1-TW-0001203-23145-3-N	D1-TW-0000874-23145-N	D1-TW-0000840-23145-N	D1-TW-0000723-23145-N	D1-TW-0000987-23145-N	D1-TW-0000993-23145-N	D1-TW-0000994-23145-N	D1-TW-0000994-23145-3-N
		Sample Date:		2023-07-12	2023-07-07	2023-08-29	2023-08-29	2023-08-31	2023-07-07	2023-09-22	2023-09-22
		Sample Type:		FD (Field Duplicate)	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	560	30.0	730	370	460	170	820	820
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	74.4	ND	52.3	ND	65.0	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	74.4	ND	52.3	ND	65.0	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	0.590	ND
	Barium	2000	MCL	2.30	2.00	1.90	2.00	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	1.90	2.10	0.660	0.640	ND	2.10	ND	ND
	Copper	1300	MCL	17.5	156	53.2	26.4	22.0	105	44.2	26.5
	Lead	15	MCL	ND	0.200	0.400	ND	0.830	0.130	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	1.90	1.80	2.10	ND	3.30	2.00
	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

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

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

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				Location ID:	D1-DVAL3309	D1-EOUT1016	D1-ETEA0706	D1-FCRU3346	D1-FISL1801	D1-FISL1807	D1-FISL1808	
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				Address:	3309D Valdez Place	1016 East Outerbridge Court	706 East Teaff Court	3346 Cruse Place	1801 Fisler Court	1807 Fisler Court	1808 Fisler Court	
				Field Sample ID:	D1-TW-0001203-23145-3-N	D1-TW-0000874-23145-N	D1-TW-0000840-23145-N	D1-TW-0000723-23145-N	D1-TW-0000987-23145-N	D1-TW-0000993-23145-N	D1-TW-0000994-23145-N	D1-TW-0000994-23145-3-N
				Sample Date:	2023-07-12	2023-07-07	2023-08-29	2023-08-29	2023-08-31	2023-07-07	2023-09-22	2023-09-22
				Sample Type:	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level									
Volatile Organic Compounds (ppb)	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
Haloacetic Acids (ppb)	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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  
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		Location ID:	D1-DVAL3309	D1-EOUT1016	D1-ETEA0706	D1-FCRU3346	D1-FISL1801	D1-FISL1807	D1-FISL1808	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	3309D Valdez Place	1016 East Outerbridge Court	706 East Teaff Court	3346 Cruse Place	1801 Fisler Court	1807 Fisler Court	1808 Fisler Court	
		Field Sample ID:	D1-TW-0001203-23145-3-N	D1-TW-0000874-23145-N	D1-TW-0000840-23145-N	D1-TW-0000723-23145-N	D1-TW-0000987-23145-N	D1-TW-0000993-23145-N	D1-TW-0000994-23145-N	D1-TW-0000994-23145-3-N
		Sample Date:	2023-07-12	2023-07-07	2023-08-29	2023-08-29	2023-08-31	2023-07-07	2023-09-22	2023-09-22
		Sample Type:	FD (Field Duplicate)	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							
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	--	--	0.340	ND	ND	ND	0.290	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.460	ND	ND	ND	0.270	ND	ND
	Total Trihalomethanes	80	MCL	0.800	ND	ND	ND	0.560	ND	ND

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		Location ID:		D1-FISL1811	D1-FSMI3342	D1-GOMB1403	D1-GRAH0501	D1-GRAH0507	D1-GRAH0509	D1-HUTT0910	D1-HUTT0918
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		1811 Fisler Court	3342 Smith Circle	1403 Gombasy Court	501 Graham Court	507 Graham Court	509 Graham Court	910 Huttenberg Court	918 Huttenberg Court
		Field Sample ID:		D1-TW-0000997-23145-N	D1-TW-0000759-23145-N	D1-TW-0000899-23145-N	D1-TW-0001021-23145-N-1-T	D1-TW-0001027-23145-N-T	D1-TW-0001029-23145-N	D1-TW-0000802-23145-N	D1-TW-0000810-23145-N
		Sample Date:		2023-08-30	2023-07-17	2023-08-29	2023-07-07	2023-07-06	2023-07-07	2023-08-29	2023-09-21
		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	820	560	50.0	430	100	300	690	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	119	69.7	58.1	52.7	63.0	ND	57.4	94.3
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	108	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	227	69.7	58.1	52.7	63.0	ND	57.4	94.3
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.520
	Barium	2000	MCL	1.90	2.00	1.90	2.00	1.90	2.10	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	1.20	0.630	2.00	2.10	2.10	0.680	ND
	Copper	1300	MCL	56.1	13.0	38.9	76.5	32.8	46.7	31.2	19.2
	Lead	15	MCL	0.170	ND	0.150	0.170	0.190	0.620	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.20	1.90	1.80	ND	2.20	ND	1.80	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	0.0140
	Bis(2-ethylhexyl)phthalate	6	MCL	0.600	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 D1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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		Location ID:		D1-FISL1811	D1-FSMI3342	D1-GOMB1403	D1-GRAH0501	D1-GRAH0507	D1-GRAH0509	D1-HUTT0910	D1-HUTT0918
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		1811 Fisler Court	3342 Smith Circle	1403 Gombasy Court	501 Graham Court	507 Graham Court	509 Graham Court	910 Huttenberg Court	918 Huttenberg Court
		Field Sample ID:		D1-TW-0000997-23145-N	D1-TW-0000759-23145-N	D1-TW-0000899-23145-N	D1-TW-0001021-23145-N-1-T	D1-TW-0001027-23145-N-T	D1-TW-0001029-23145-N	D1-TW-0000802-23145-N	D1-TW-0000810-23145-N
		Sample Date:		2023-08-30	2023-07-17	2023-08-29	2023-07-07	2023-07-06	2023-07-07	2023-08-29	2023-09-21
		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	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 D1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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		Location ID:	D1-FISL1811	D1-FSMI3342	D1-GOMB1403	D1-GRAH0501	D1-GRAH0507	D1-GRAH0509	D1-HUTT0910	D1-HUTT0918
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1811 Fisler Court	3342 Smith Circle	1403 Gombasy Court	501 Graham Court	507 Graham Court	509 Graham Court	910 Huttenberg Court	918 Huttenberg Court
		Field Sample ID:	D1-TW-0000997-23145-N	D1-TW-0000759-23145-N	D1-TW-0000899-23145-N	D1-TW-0001021-23145-N-1-T	D1-TW-0001027-23145-N-T	D1-TW-0001029-23145-N	D1-TW-0000802-23145-N	D1-TW-0000810-23145-N
		Sample Date:	2023-08-30	2023-07-17	2023-08-29	2023-07-07	2023-07-06	2023-07-07	2023-08-29	2023-09-21
		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	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	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	ND	ND	ND	ND	ND

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		Location ID:		D1-HUTT0922	D1-KAUF1504	D1-KAUF1508	D1-KAUF1512	D1-LARS1900		D1-LARS1902	D1-MCMU1313
		Location Type:		Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:		922 Huttenberg Court	1504 Kaufman Court	1508 Kaufman Court	1512 Kaufman Court	1900 Larson Court		1902 Larson Court	1313 McMurtry Court
		Field Sample ID:		D1-TW-0000814-23145-N	D1-TW-0000938-23145-N	D1-TW-0000942-23145-N	D1-TW-0000946-23145-N-T	D1-TW-0000998-23145-N	D1-TW-0000998-23145-3-N	D1-TW-0001000-23145-N	D1-TW-0000921-23145-N
		Sample Date:		2023-09-22	2023-07-17	2023-07-07	2023-07-12	2023-09-21	2023-09-21	2023-08-29	2023-08-29
		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	520	380	200	480	590	590	620	1000
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	59.3	63.0	ND	60.4	ND	85.3	66.7	78.2
	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	59.3	63.0	ND	60.4	ND	85.3	66.7	78.2
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.500	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.90	1.80	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	ND	1.20	2.00	1.90	ND	ND	0.680	0.580
	Copper	1300	MCL	27.9	34.3	25.2	31.3	31.2	31.5	44.3	31.9
	Lead	15	MCL	ND	0.140	0.410	0.170	ND	ND	0.180	0.150
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	2.90	1.90	ND	ND	1.60	1.80	1.60	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:	D1-HUTT0922	D1-KAUF1504	D1-KAUF1508	D1-KAUF1512	D1-LARS1900		D1-LARS1902	D1-MCMU1313
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	922 Huttenberg Court	1504 Kaufman Court	1508 Kaufman Court	1512 Kaufman Court	1900 Larson Court		1902 Larson Court	1313 McMurtry Court
				Field Sample ID:	D1-TW-0000814-23145-N	D1-TW-0000938-23145-N	D1-TW-0000942-23145-N	D1-TW-0000946-23145-N-T	D1-TW-0000998-23145-N	D1-TW-0000998-23145-3-N	D1-TW-0001000-23145-N	D1-TW-0000921-23145-N
				Sample Date:	2023-09-22	2023-07-17	2023-07-07	2023-07-12	2023-09-21	2023-09-21	2023-08-29	2023-08-29
				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									
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  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June - September 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

		Location ID:	D1-HUTT0922	D1-KAUF1504	D1-KAUF1508	D1-KAUF1512	D1-LARS1900		D1-LARS1902	D1-MCMU1313
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	922 Huttenberg Court	1504 Kaufman Court	1508 Kaufman Court	1512 Kaufman Court	1900 Larson Court		1902 Larson Court	1313 McMurtry Court
		Field Sample ID:	D1-TW-0000814-23145-N	D1-TW-0000938-23145-N	D1-TW-0000942-23145-N	D1-TW-0000946-23145-N-T	D1-TW-0000998-23145-N	D1-TW-0000998-23145-3-N	D1-TW-0001000-23145-N	D1-TW-0000921-23145-N
		Sample Date:	2023-09-22	2023-07-17	2023-07-07	2023-07-12	2023-09-21	2023-09-21	2023-08-29	2023-08-29
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
		DOH Project Screening Level	Basis of Project Screening Level							
Method Group	Analyte									
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	0.610	ND	ND	ND	ND	0.460
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.590	ND	ND	ND	ND	0.410
	Total Trihalomethanes	80	MCL	ND	1.20	ND	ND	ND	ND	0.870

Summary of Chemistry Results  
Zone D1 Long Term Monitoring  
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:		D1-MCMU1315	D1-MCMU1320	D1-MCMU1325	D1-SING0100	D1-SING0111	D1-SING0127	D1-TAUS1605	D1-WAGO1713
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		1315 McMurtry Court	1320 McMurtry Court	1325 McMurtry Court	100 Singleton Court	111 Singleton Court	127 Singleton Court	1605 Taussig Court	1713 Wagoner Court
		Field Sample ID:		D1-TW-0000923-23145-N	D1-TW-0000928-23145-N	D1-TW-0000932-23145-N	D1-TW-0001038-23145-N	D1-TW-0001049-23145-N	D1-TW-0001065-23145-N	D1-TW-0000961-23145-N	D1-TW-0000979-23145-N
		Sample Date:		2023-07-17	2023-07-07	2023-08-29	2023-07-17	2023-07-17	2023-07-12	2023-08-29	2023-07-12
		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	500	480	610	290	410	240	770	350
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	56.1	58.1	65.4	57.8	67.2	85.4	89.3	52.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	67.0	ND	ND	ND	90.7	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	56.1	125	65.4	57.8	67.2	176	89.3	52.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.510	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.80	1.80	2.00	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	1.10	2.00	0.570	1.20	1.20	1.90	0.600	2.10
	Copper	1300	MCL	36.8	39.7	59.5	77.0	48.8	42.2	9.90	84.3
	Lead	15	MCL	0.630	ND	ND	0.530	0.260	0.180	0.140	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.70	ND	1.60	2.00	1.50	ND	1.80	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	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 June - September 2023 from Residences in Zone D1

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		Location ID:		D1-MCMU1315	D1-MCMU1320	D1-MCMU1325	D1-SING0100	D1-SING0111	D1-SING0127	D1-TAUS1605	D1-WAGO1713
		Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:		1315 McMurtry Court	1320 McMurtry Court	1325 McMurtry Court	100 Singleton Court	111 Singleton Court	127 Singleton Court	1605 Taussig Court	1713 Wagoner Court
		Field Sample ID:		D1-TW-0000923-23145-N	D1-TW-0000928-23145-N	D1-TW-0000932-23145-N	D1-TW-0001038-23145-N	D1-TW-0001049-23145-N	D1-TW-0001065-23145-N	D1-TW-0000961-23145-N	D1-TW-0000979-23145-N
		Sample Date:		2023-07-17	2023-07-07	2023-08-29	2023-07-17	2023-07-17	2023-07-12	2023-08-29	2023-07-12
		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	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 D1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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				Location ID:	D1-MCMU1315	D1-MCMU1320	D1-MCMU1325	D1-SING0100	D1-SING0111	D1-SING0127	D1-TAUS1605	D1-WAGO1713
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1315 McMurtry Court	1320 McMurtry Court	1325 McMurtry Court	100 Singleton Court	111 Singleton Court	127 Singleton Court	1605 Taussig Court	1713 Wagoner Court
				Field Sample ID:	D1-TW-0000923-23145-N	D1-TW-0000928-23145-N	D1-TW-0000932-23145-N	D1-TW-0001038-23145-N	D1-TW-0001049-23145-N	D1-TW-0001065-23145-N	D1-TW-0000961-23145-N	D1-TW-0000979-23145-N
				Sample Date:	2023-07-17	2023-07-07	2023-08-29	2023-07-17	2023-07-17	2023-07-12	2023-08-29	2023-07-12
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
		DOH Project Screening Level	Basis of Project Screening Level									
Method Group	Analyte											
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	12.4	ND	0.640	1.40	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	1.40	ND	ND	0.380	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	13.8	ND	0.640	1.78	ND	ND	ND

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			Location ID:	D1-WTEA0803	D1-WTEA0805
			Location Type:	Residence	Residence
			Address:	803 West Teaff Court	805 West Teaff Court
			Field Sample ID:	D1-TW-0000845-23145-N	D1-TW-0000847-23145-N
			Sample Date:	2023-08-29	2023-08-29
			Sample Type:	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Field Test (ppb)	Free Chlorine	4000	MCL	490	790
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	81.0	72.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	81.0	72.1
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	1.90	1.90
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	0.600	0.700
	Copper	1300	MCL	25.4	13.6
	Lead	15	MCL	ND	ND
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	1.80	1.90
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND

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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D1-WTEA0803	D1-WTEA0805
		Location Type:	Residence	Residence
		Address:	803 West Teaff Court	805 West Teaff Court
		Field Sample ID:	D1-TW-0000845-23145-N	D1-TW-0000847-23145-N
		Sample Date:	2023-08-29	2023-08-29
		Sample Type:	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
	1,2-Dichlorobenzene	600	MCL	ND
	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	--	--	ND
	Chloroacetic acid	--	--	ND
	Dibromoacetic acid	--	--	ND
	Dichloroacetic acid	--	--	ND

Summary of Chemistry Results  
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		Location ID:	D1-WTEA0803	D1-WTEA0805
		Location Type:	Residence	Residence
		Address:	803 West Teaff Court	805 West Teaff Court
		Field Sample ID:	D1-TW-0000845-23145-N	D1-TW-0000847-23145-N
		Sample Date:	2023-08-29	2023-08-29
		Sample Type:	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.280
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	0.280

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

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

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ND = Not Detected
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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 (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-0015098-23145-N-1	D1-TW-0015098-23145-3-N-1	D1-TW-0015098-23145-N-5	D1-TW-0015098-23145-N-4	D1-TW-0015098-23145-N-2	D1-TW-0015098-23145-N-3
				Sample Date:	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21
				Sample Type:	N (Normal)	FD (Field Duplicate)	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	200-550	200-550	200-550	200-550	200-550	200-550	200-550
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	78.8	ND	ND	ND	89.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	78.8	ND	ND	ND	89.2
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	0.580	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	2.00	1.90	1.90	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Copper	1300	MCL	135	135	11.5	73.7	86.3	23.7	
	Lead	15	MCL	ND	ND	ND	0.140	0.320	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.80	1.80	1.60	1.80	1.80	1.70	
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	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	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND
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

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

Drinking Water Samples collected in June - September 2023 from Schools 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
-- = 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:	D1-BLDGD1-22					
				Location Type:	School					
				Address:	PEARL HARBOR KAI ELEMENTARY, Building D1-22					
				Field Sample ID:	D1-TW-0015098-23145-N-1	D1-TW-0015098-23145-3-N-1	D1-TW-0015098-23145-N-5	D1-TW-0015098-23145-N-4	D1-TW-0015098-23145-N-2	D1-TW-0015098-23145-N-3
				Sample Date:	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21
				Sample Type:	N (Normal)	FD (Field Duplicate)	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	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
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic 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 June - September 2023 from Schools in Zone D1

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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

				Location ID:	D1-BLDGD1-22					
				Location Type:	School					
				Address:	PEARL HARBOR KAI ELEMENTARY, Building D1-22					
				Field Sample ID:	D1-TW-0015098-23145-N-1	D1-TW-0015098-23145-3-N-1	D1-TW-0015098-23145-N-5	D1-TW-0015098-23145-N-4	D1-TW-0015098-23145-N-2	D1-TW-0015098-23145-N-3
				Sample Date:	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21	2023-09-21
				Sample Type:	N (Normal)	FD (Field Duplicate)	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	ND	ND	ND	0.370	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.330	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	0.700	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 June - September 2023 from Child Development Centers in Zone D1

Notes:
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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

				Location ID:	D1-BLDG0204		D1-BLDG0930	
				Location Type:	Child Development Center		Child Development Center	
				Address:	Building 204,MWR CHILD CARE CENTER (KIDS COVE)		Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)	
				Field Sample ID:	D1-TW-0015067-23145-N-1	D1-TW-0015067-23145-N-2	D1-TW-0015074-23145-N-1	D1-TW-0015074-23145-N-2
				Sample Date:	2023-08-29	2023-08-29	2023-06-27	2023-06-27
				Sample Type:	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	650-850	650-850	330-460	330-460	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	79.3	88.8	64.5	64.1	
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons (as Oil)	--	--	ND	ND	ND	ND	
	Petroleum Hydrocarbons, Total	266	ISP	79.3	88.8	64.5	64.1	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	
	Barium	2000	MCL	1.80	1.90	1.90	1.90	
	Beryllium	4	MCL	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	
	Chromium	100	MCL	0.610	0.560	2.00	2.00	
	Copper	1300	MCL	13.0	23.1	49.5	77.4	
	Lead	15	MCL	ND	ND	1.10	0.130	
	Mercury	2	MCL	ND	ND	ND	ND	
	Selenium	50	MCL	1.80	1.60	ND	ND	
	Thallium	2	MCL	ND	ND	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	0.0190	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 June - September 2023 from Child Development Centers in Zone D1

Notes:
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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

				Location ID:	D1-BLDG0204		D1-BLDG0930	
				Location Type:	Child Development Center		Child Development Center	
				Address:	Building 204,MWR CHILD CARE CENTER (KIDS COVE)		Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)	
				Field Sample ID:	D1-TW-0015067-23145-N-1	D1-TW-0015067-23145-N-2	D1-TW-0015074-23145-N-1	D1-TW-0015074-23145-N-2
				Sample Date:	2023-08-29	2023-08-29	2023-06-27	2023-06-27
				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)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	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

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

Drinking Water Samples collected in June - September 2023 from Child Development Centers 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
-- = 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:		D1-BLDG0204		D1-BLDG0930	
		Location Type:		Child Development Center		Child Development Center	
		Address:		Building 204,MWR CHILD CARE CENTER (KIDS COVE)		Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)	
		Field Sample ID:		D1-TW-0015067-23145-N-1	D1-TW-0015067-23145-N-2	D1-TW-0015074-23145-N-1	D1-TW-0015074-23145-N-2
		Sample Date:		2023-08-29	2023-08-29	2023-06-27	2023-06-27
		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)	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	--	--	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND
	Total Trihalomethanes	80	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 June - September 2023 from Other Buildings in Zone D1

Notes:
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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:	D1-BLDG1338	
		Location Type:	Non-Residence	
		Address:	Building 1338,FITNESS CENTER, 1338 North Rd	
		Field Sample ID:	D1-TW-0015086- 23145-N-T	
		Sample Date:	2023-07-06	
		Sample Type:	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Field Test (ppb)	Free Chlorine	4000	MCL	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	62.3
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	62.3
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	1.80
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	2.10
	Copper	1300	MCL	60.3
	Lead	15	MCL	ND
	Mercury	2	MCL	ND
	Selenium	50	MCL	2.20
	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

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

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

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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D1-BLDG1338	
		Location Type:	Non-Residence	
		Address:	Building 1338,FITNESS CENTER, 1338 North Rd	
		Field Sample ID:	D1-TW-0015086- 23145-N-T	
		Sample Date:	2023-07-06	
		Sample Type:	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Volatile Organic Compounds (ppb)	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
	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

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

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

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

				Location ID:	D1-BLDG1338
				Location Type:	Non-Residence
				Address:	Building 1338,FITNESS CENTER, 1338 North Rd
				Field Sample ID:	D1-TW-0015086- 23145-N-T
				Sample Date:	2023-07-06
				Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	
	Chloroacetic acid	--	--	ND	
	Dibromoacetic acid	--	--	ND	
	Dichloroacetic acid	--	--	ND	
	Trichloroacetic acid	--	--	ND	
	Total Haloacetic acids	60	MCL	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	
	Bromoform	--	--	ND	
	Chloroform	--	--	ND	
	Dibromochloromethane	--	--	ND	
	Total Trihalomethanes	80	MCL	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 June - September 2023 from Fire Hydrants 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				
-- = 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:	D1-HYD731
			Location Type:	Hydrant
			Address:	FH ID: 731
			Field Sample ID:	D1-DL-0017561-23145 -N-T
			Sample Date:	2023-07-06
			Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Field Test (ppb)	Free Chlorine	4000	MCL	460
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	56.2
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	56.2
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.30
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	2.00
	Mercury	2	MCL	ND
	Selenium	50	MCL	2.40
	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 D1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June - September 2023 from Fire Hydrants 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
-- = 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:	D1-HYD731
			Location Type:	Hydrant
			Address:	FH ID: 731
			Field Sample ID:	D1-DL-0017561-23145 -N-T
			Sample Date:	2023-07-06
			Sample Type:	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	--	--	ND
	Chloroacetic acid	--	--	ND
	Dibromoacetic acid	--	--	ND
	Dichloroacetic acid	--	--	ND
	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	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 June - September 2023 from Fire Hydrants 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				
-- = 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:	D1-HYD731
			Location Type:	Hydrant
			Address:	FH ID: 731
			Field Sample ID:	D1-DL-0017561-23145 -N-T
			Sample Date:	2023-07-06
			Sample Type:	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	ND
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	ND
	Total Trihalomethanes	80	MCL	ND